# Initial Study

## Bolsa Chica Senior Living Community Project
## Huntington Beach, California

## October 2022

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Submitted to:

City of Huntington Beach
2000 Main Street
Huntington Beach, California 92648

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Project No. HBC2201.01

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B. Phase I Environmental Site Assessment (Phase I ESA) (April 2021)
C. Limited Site Investigation (June 2021)
D. Soil Management Plan (January 2022)
E. Preliminary Hydrology Study (September 2022)
F. Preliminary Water Quality Management Plan (Preliminary WQMP) (Revised April 2022)

# ENVIRONMENTAL CHECKLIST FORM
# CITY OF HUNTINGTON BEACH
# COMMUNITY DEVELOPMENT DEPARTMENT
# INITIAL STUDY

## 1.0 PROJECT INFORMATION

| | |
|---|---|
| **PROJECT TITLE:** | Bolsa Chica Senior Living Community (project) |
| **CONCURRENT ENTITLEMENTS:** | Conditional Use Permit No. [TBD]<br>Specific Plan No. [TBD]<br>General Plan Amendment No. [TBD]<br>Zoning Map Amendment No. [TBD] |
| **LEAD AGENCY:** | City of Huntington Beach<br>2000 Main Street<br>Huntington Beach, CA 92648 |
| **Contact:**<br>**Phone:** | Hayden Beckman, Senior Planner<br>(714) 536-5561 |
| **PROJECT LOCATION:** | Southwest corner of Warner Avenue and Bolsa Chica Street (4952 and 4972 Warner Avenue, Huntington Beach); refer to Figures 1 and 2 below. |
| **PROJECT PROPONENT:** | Hines<br>4000 MacArthur Boulevard, Suite 280<br>Newport Beach, CA 92660 |
| **Contact Person:**<br>**Phone:** | Tom Lawless<br>(949) 313-2200 |
| **GENERAL PLAN DESIGNATION:** | CG (Commercial General) |
| **ZONING:** | CG (Commercial General) |

The project site is designated and zoned CG – Commercial General. The Commercial General designation provides for retail commercial, professional offices, eating and drinking establishments, financial institutions, automobile sales, household goods, food sales, drugstores, building materials and supplies, personal services, recreational commercial, hotels/motels, timeshares, cultural facilities, institutional, health care, government offices, and educational uses. The current maximum Floor Area Ratio (FAR) is 1.5, and the current maximum building height is fifty feet.

The Applicant is requesting a General Plan Amendment to change the land use designation from CG to Mixed Use (MU) and a Zoning Map Amendment to change the zoning from CG to Specific Plan (SP). The Specific Plan will provide specific site development standards and project design criteria. The Specific Plan would increase the allowable FAR to 2.5 and the maximum building height to 65 feet, with one architectural style and appearance based on the latest proposed design. A Conditional Use Permit would also be required for the proposed project to allow development and operation of a Residential Care Community for the Elderly and independent living apartments.

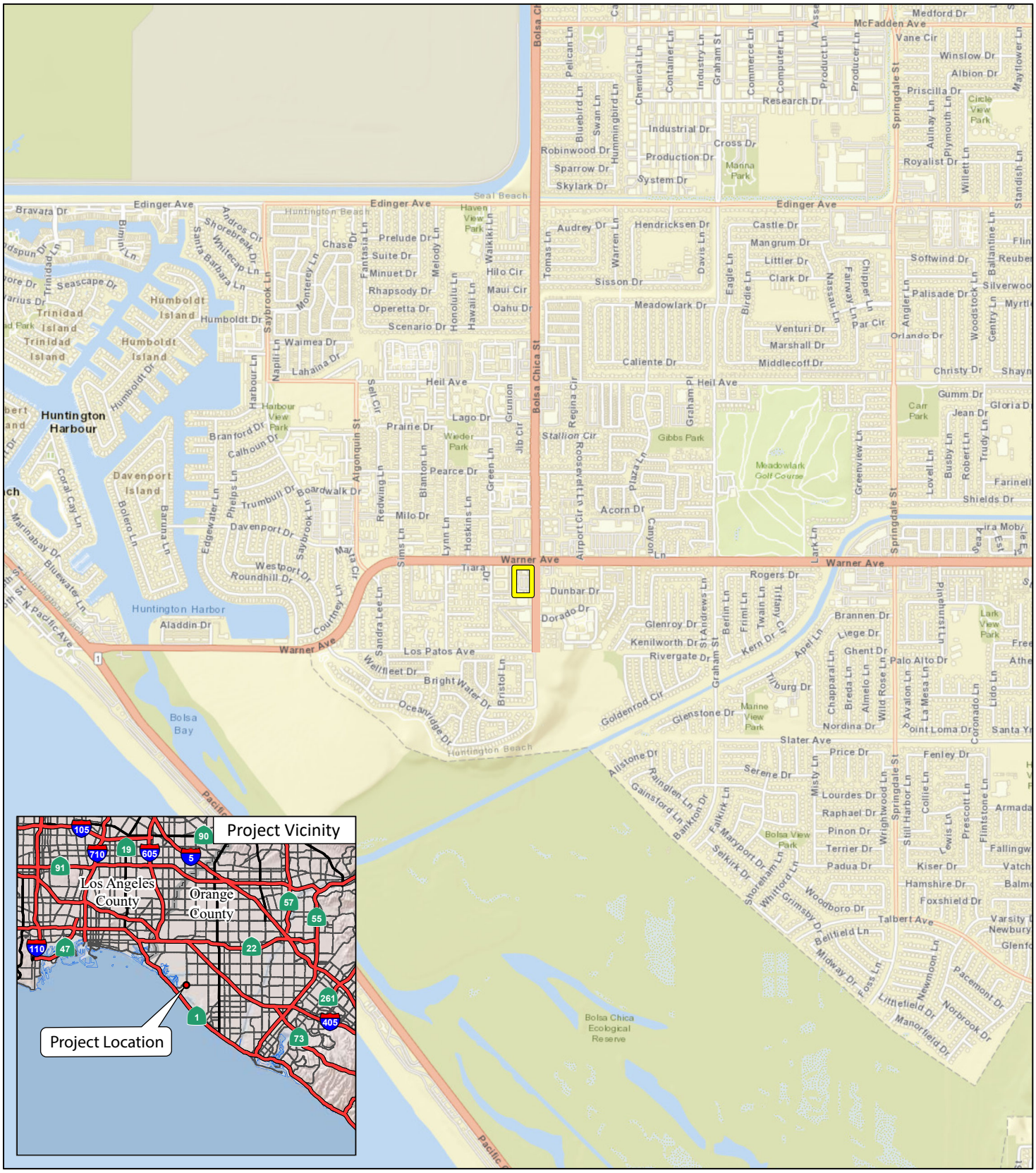
**PROJECT DESCRIPTION:**

The proposed project approvals would provide for construction of a five-story, 298,000-square-foot State-licensed senior living community consisting of 213 total living units on an approximately 3.10-acre parcel (project site). Refer to Figure 1, Regional Location, for the project site's location within the larger region.

The project site is currently fully developed with commercial (retail and office) uses and an associated surface parking lot. The existing commercial and retail uses total approximately 55,000 square feet and are contained in two buildings comprised of a two-story commercial building fronting on Warner Avenue and a larger three-story office building fronting on Bolsa Chica Street. There are currently two vehicular access points along Warner Avenue and three vehicular access points along Bolsa Chica Street. Figure 2, Existing Conditions, shows the project setting, including the locations of existing on-site structures. Implementation of the proposed project would involve demolition of the existing on-site structures and removal of the surface parking to allow for construction of the new senior living community.

***Project Characteristics***

The proposed community would include 213 total living units, 207 on-site parking spaces, and associated hardscape and landscape improvements. Of the total 213 senior living units, 28 would be Memory Care units, 62 would be Assisted Living units, and 123 would be Independent Living units. The units would range in size from a studio (approximately 540 square feet) to three bedroom units (approximately 2,580 square feet). Amenities for residents are anticipated to include multiple restaurant-style dining venues, fitness and wellness center, salon and studio spaces, theater, art room, lounge, and multi-purpose rooms. Outdoor spaces are anticipated to include a memory care garden, swimming pool with outdoor exercise area, outdoor seating area with fire pit, outdoor dining areas, meditation spaces, and roof decks. Refer to Figure 3, Conceptual Site Plan, and Figure 4, Illustrative Site Plan and Surrounding Land Uses, for the proposed project's conceptual site plan and illustrative site plan, respectively.




LSA

LEGEND

Project Site

FIGURE 1

0 1000 2000

FEET

SOURCE: USGS The National Map (2018)

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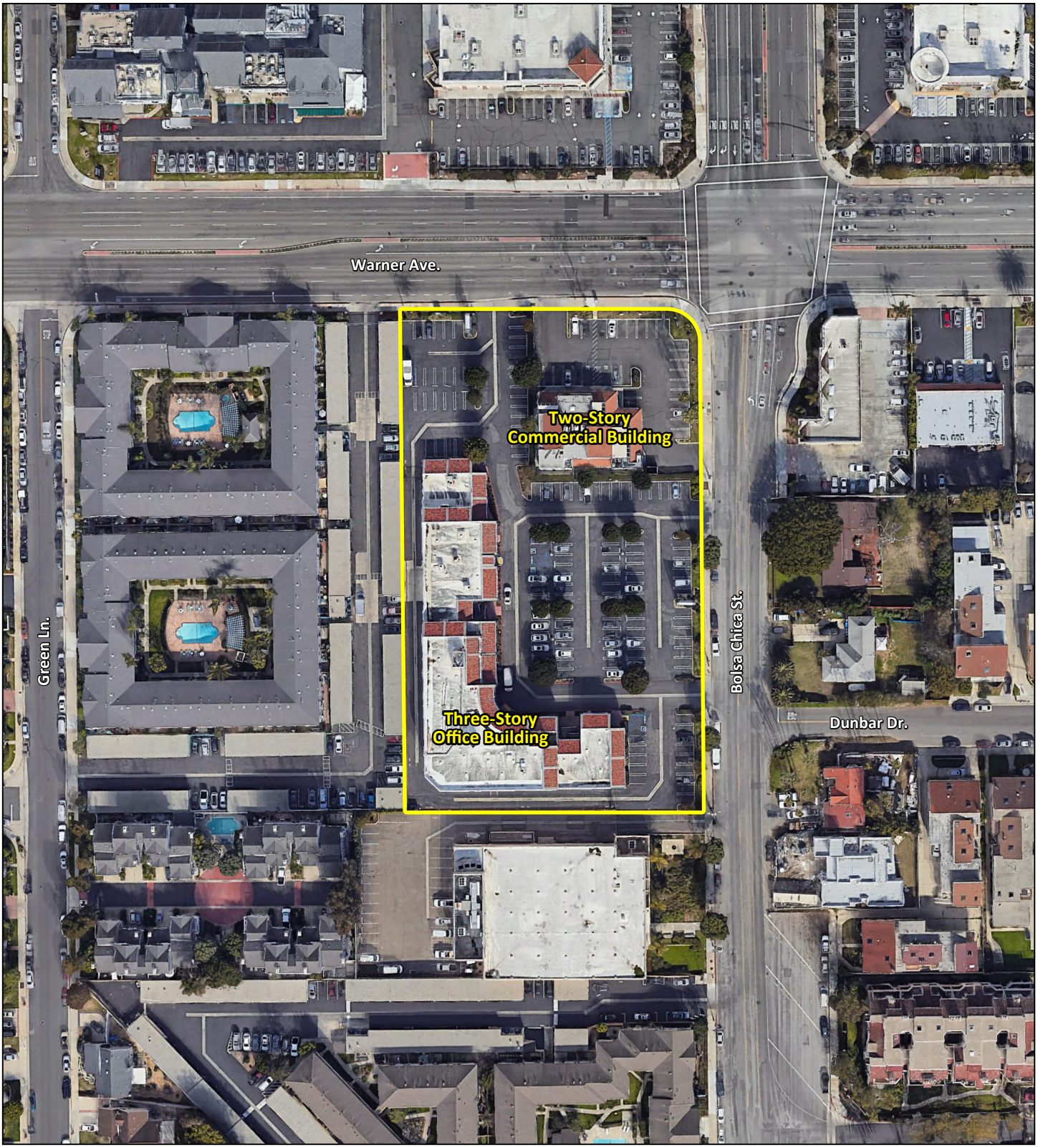
*Bolsa Chica Senior Living Community*

Regional Location




LSA

LEGEND

Project Site

FIGURE 2

0 75 150

FEET

SOURCE: Google Earth, 2021

*Bolsa Chica Senior Living Community*

Existing Conditions

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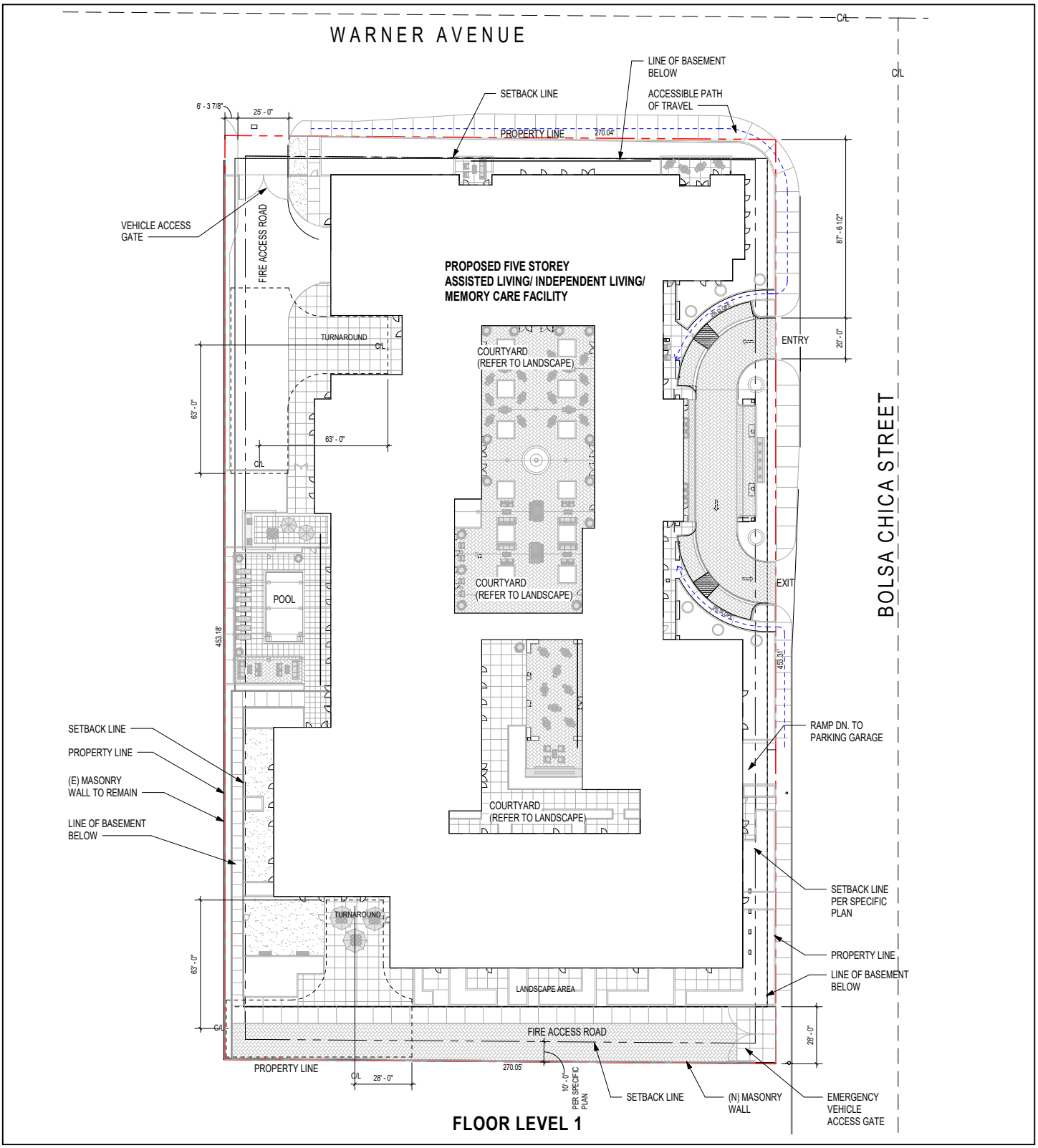


LSA

FIGURE 3

N

0 35 70

FEET

SOURCE: CallisonRTK, Inc.

I:\HBC2201.01\G\Concept_Site_Plan.ai (10/26/2022)

*Bolsa Chica Senior Living Community*

Conceptual Site Plan

LSA

FIGURE 4

NO SCALE

SOURCE: CallisonRTK, Inc.

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*Bolsa Chica Senior Living Community*

Illustrative Site Plan and Surrounding Land Uses

A portion of the new community would be licensed by the California Department of Social Services, Community Care Licensing Division (CCLD) per California Code of Regulations (CCR) Title 22, Division 6, Chapter 8 as a Residential Care Facility for the Elderly (RCFE). The State would enforce laws and regulations governing the resident rooms, including a building inspection prior to opening and thorough periodic inspections during operations. The RCFE designation would allow residents at the community to age in place and receive assistance with the activities of daily living. Care for assisted living and memory impaired residents would be provided 24 hours per day, seven days per week. Once the community reaches full residential occupancy, it is anticipated there would be a total of 110 full time employees. Vans would be provided to transport residents to off-site activities.

The development of the new community would require demolition and removal of the existing two commercial buildings, surface parking (including existing asphalt concrete pavement, curb, and gutter), fence and block wall, landscaping, yard lights, signage, and all above-ground water and gas lines on the project site. All existing utility sewer, water, and gas lines below grade would be disconnected and capped.

***Architectural Design***

The new community would be designed to reflect a traditional style of architecture. Complementary light colors reflective of the City of Huntington Beach's (City) beach lifestyle and a variety of building materials, including glass, metal, stucco, wood, and composite panels, would be incorporated. A roll down shutter would enclose the entrance to the subterranean parking garage along Bolsa Chica Street. Exterior windows would include high performance glazing. Exterior windows on the first floor would have fabric awnings and exterior windows on the fifth floor would have metal canopies. Some exterior windows would feature textured metal panels below the window panes. Wall mounted lighting fixtures would flank the building perimeter on the first floor.

The use of multilevel rooflines and varying building setbacks along Warner Avenue and Bolsa Chica Street would break up the scale and massing of the building. Figure 5, Conceptual Renderings, provides the conceptual building renderings and the proposed architectural style and elements. The main entrance to the community (leading into the reception area/lobby) would be located along Bolsa Chica Street. The entrance would feature a porte cochère (covered entrance) and a semi-circle driveway with vehicle access (ingress and egress) from Bolsa Chica Street.

Residential balconies would be located on the second through fifth floors. Some balconies would face the interior courtyard while others would face the community's exterior perimeter. One terraces would be located on the second floor, facing the first-floor courtyard. The fifth floor would provide three roof decks, including a roof top lounge. Four-foot-high enclosures would be provided on the main roof to screen roof-top equipment. The community's proposed maximum building height would be 65 feet to the highest roof surface, not including the allowed appurtenances (accessory objects) per the City's Municipal Code Section 230.72, such as mechanical screens and equipment.

*View Southwest from Intersection of Bolsa Chica Street & Warner Avenue*

LSA

FIGURE 5



*Bolsa Chica Senior Living Community*

Conceptual Renderings

SOURCE: CallisonRTK, Inc.

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*View West from Bolsa Chica Street*

*View Northwest from Bolsa Chica Street*

LSA

FIGURE 5



*Bolsa Chica Senior Living Community*

Conceptual Renderings

SOURCE: CallisonRTK, Inc.

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*View Southeast from Warner Avenue*

*View Southwest of Porte Cochere & Main Entry*

LSA

FIGURE 5



*Bolsa Chica Senior Living Community*

Conceptual Renderings

SOURCE: CallisonRTK, Inc.

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### *Landscaping and Fencing*

Landscaping for the proposed project would include a variety of tree and plant species in accordance with the requirements outlined in Section 211.06, CO, CG, and CV Districts – Development Standards, and Section 232, Landscape Improvements, in the City of Huntington Beach zoning code. Figure 6, Conceptual Landscape Plan, provides the proposed landscape plan for the project.

Swan hill olive trees (*Olea europea 'swan hill'*) would be planted at the corner of Warner Avenue and Bolsa Chica Street as well as within the first-floor courtyard. Brisbane box trees (*Lophostemon confertus*) would be planted along the community perimeter and medjool date palms (*Phoenix dactylifera 'medjool'*) would be planted along the entrance to the community surrounding the semi-circle driveway. A combination of shrubs, grasses, and groundcovers would be planted along the building perimeters flanking the community's exterior walkways and within the courtyard. Turf blocks would be planted along the fire access road at the southern end of the project site. A raised planter bed would be installed along the northern edge of the fire access road separating the building's perimeter landscaping from the fire access road. A vertical wall of Indian Laurel trees (*Ficus nitida 'column'*) would be planted along the western side of the swimming pool area to visually screen the existing masonry wall along the project site's western boundary.

A new 8-foot-high masonry wall would be installed along the project site's southern boundary and the existing retaining wall and fence along the project site's southern boundary would remain intact. Metal security gates with fire department access would be installed at each of the community's pedestrian entrances to control access from the public sidewalks along Bolsa Chica Street. As described above, 4-foot-high enclosures would be provided on the main roof to screen roof-top equipment, such as the project's heating, ventilation, and air condition (HVAC) units, from view.

The proposed project would be developed with 10-foot setbacks from each of the project site's property boundaries including a fire access road on the project's southern property boundary.

### *Green Building Characteristics*

The proposed project would be designed to meet sustainability goals, including the California Green Building Standards Code (CALGreen Code), Title 24 energy efficiency requirements, and Assembly Bill (AB) 1881 water efficient landscape requirements. The proposed project would also incorporate a number of energy and water conservation measures, green building features, and Low Impact Development (LID) design features.

### *Access, Circulation, and Parking*

In the existing condition, the project site can be accessed by two driveways along Warner Avenue and three driveways along Bolsa Chica Street.

With implementation of the proposed project, vehicle access to the community would be provided via three driveways on Bolsa Chica Street (one entry-only driveway and one exit-only driveway for the porte cochère, and one full-access driveway for the subterranean parking garage). The proposed project would also provide a right-in/right-out only driveway on Warner Avenue (in the northwest corner of the property) for emergency, trash/recycling, and service vehicles (refer to Figure 3). This driveway would feature a gate and a hammerhead turn-around. A passenger

1 PRELIMINARY LANDSCAPE PLAN

SCALE: 1" = 30'-0"

## LEGEND

1. ENHANCED PAVING AT ARRIVAL
2. FOUNTAIN AT ARRIVAL COURT
3. PATIO AT BLU NOTE
4. FOUNTAIN AT COURTYARD
5. OLIVE TREES WITH ENHANCED PAVING AND OUTDOOR DINING
6. STRING LIGHTS AT COURTYARD
7. COVERED OUTDOOR SEATING
8. GLASS POOL ENCLOSURE FENCE
9. 12' EVERGREEN HEDGE
10. SWIMMING POOL
11. BBQ AND SHADE STRUCTURE
12. CABANA AT POOL
13. ARTIFICIAL TURF AT FITNESS LAWN
14. DOG PARK
15. OUTDOOR SEATING
16. PRIVATE PATIOS
17. TURF BLOCK AT EVA (SEE SHEET L2.1)
18. EMERGENCY ONLY VEHICULAR GATE

MEMORY CARE GARDEN

| | |
|---|---|
| ASPARAGUS DENSIFLORUS 'MYERS' | FOXTAIL FERN |
| ASPLENIUM BULBIFERUM | HEN AND CHICKEN FERN |
| BOUGAINVILLEA 'LA JOLLA' | RED BOUGAINVILLEA |
| BUXUS MICROPHYLLA JAPONICA | JAPANESE BOXWOOD |
| CALLIANDRA HAEMATOCEPHALA | RED POWDER PUFF |
| CAMPANULA PORTENSCHLAGIANA | DALMATION BELLFLOWER |
| CLIVIA MINIATA | KAFFIR LILY |
| COPROSMA KIRKII | KIRK'S COPROSMA |
| DIANELLA CAERULEA 'CASSA BLUE' | CASSA BLUE FLAX LILY |
| DIANELLA TASMANICA 'VARIEGATA' | VARIEGATED FLAX LILY |
| GREVILLEA NOELLII | NOEL'S GREVILLEA |
| MYOPORUM PARVIFOLIUM 'PINK' | PINK GROUNDCOVER MYOPORUM |
| MYRTUS COMMUNIS | COMMON MYRTLE |
| PODOCARPUS ELONGATUS 'MONMAL' | ICEE BLUE YELLOWWOOD |
| ROSA 'ICEBERG' | WHITE ICEBERG SHRUB ROSE |
| ROSA X 'NOARE' | FLOWER CARPET ROSE 'RED' |
| ROSA X 'NOASCHNEE' | FLOWER CARPET ROSE 'WHITE' |
| SANSEVIERIA TRIFASCIATA | SNAKE PLANT |
| THYMUS PRAECOX | CREEPING THYME |

**LANDSCAPE CALCULATIONS**

8% MINIMUM LANDSCAPE REQUIRED: 122,405 S.F. X .08 = 9,793 S.F.
TOTAL ONSITE LANDSCAPE AREA: 17,300 S.F.

## PROPOSED PLANT PALETTE

TREES

| SYMBOL | BOTANICAL NAME | COMMON NAME |
|---|---|---|
| | PHOENIX DACTYLIFERA 'MEDJOOL' | MEDJOOL DATE PALM |
| | LOPHOSTEMON CONFERTUS | BRISBANE BOX |
| | OLEA EUROPEA 'SWAN HILL' | SWAN HILL OLIVE |
| | SCHEFFLERA T. 'YUAN SHAN' | SCHEFFLERA |
| | FICUS NITIDA 'COLUMN' | INDIAN LAUREL |

*FOREGROUND SHRUBS, GRASSES, & GROUNDCOVERS*

| SYMBOL | BOTANICAL NAME | COMMON NAME |
|---|---|---|
| | AGAVE 'BLUE FLAME' | BLUE FLAME AGAVE |
| | ALOE 'BLUE ELF' | BLUE ELF ALOE |
| | ASPARAGUS DENSIFLORUS 'MYERS' | MYER'S ASPARAGUS |
| | CALANDRINIA SPECTABILIS | ROCK PURSLANE |
| | CAREX DIVULSA | BERKELEY SEDGE |
| | DIANELLA 'CASSA BLUE' | CASSA BLUE FLAX LILY |
| | HESPERALOE 'BRAKELIGHTS' | BRAKELIGHTS YUCCA |
| | LOMANDRA LONGIFOLIA 'BREEZE' | DWARF MAT RUSH |
| | SESLERIA AUTUMNALIS 'GREENLEE' | GREENLEE AUTUMN MOOR GRASS |
| | TEUCRIUM CHAMAEDRYS | GERMANDER |

*MIDGROUND SHRUBS, GRASSES & GROUNDCOVERS*

| SYMBOL | BOTANICAL NAME | COMMON NAME |
|---|---|---|
| | DIANELLA T. 'VARIEGATA' | VARIEGATED FLAX LILY |
| | LANTANA 'NEW GOLD' | NEW GOLD LANTANA |
| | MUHLENBERGIA E. 'EL TORO' | BULL GRASS |
| | PITTOSPORUM CRASSIFOLIUM 'NANA' | DWARF KARO |
| | RHAPHIOLEPIS UMBELLATA | YEDDO HAWTHORN |
| | STRELITZIA REGINAE | BIRD OF PARADISE |
| | WESTRINGIN F. 'MUNDI' | MUNDI COAST ROSEMARY |

*BACKGROUND SHRUBS*

| SYMBOL | BOTANICAL NAME | COMMON NAME |
|---|---|---|
| | OLEA X 'MONTRA' | LITTLE OLLIE |
| | STRELITZIA NICOLAI | GIANT BIRD OF PARADISE |
| | WESTRINGIA 'WYNYABBIE GEM' | WYNYABBIE GEM COAST ROSEMARY |
| | XYLOSMA CONGESTUM | XYLOSMA |

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FIGURE 6

0 60 120

FEET

SOURCE: CallisonRTK, Inc.

*Bolsa Chica Senior Living Community*

Conceptual Landscape Plan

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drop-off zone for the community would be located in front of the main entrance along Bolsa Chica Street under the porte cochère. As described above, an additional fire access road with gate would be provided on the south side of the project site, with full-access provided from Bolsa Chica Street.

Pedestrian access to the community would be provided via sidewalks along Warner Avenue and Bolsa Chica Street as well as internal walkways.

The community would provide 207 parking spaces for residents and staff, 4 of which would be surface parking spaces (at grade) under the porte cochère. A single-level subterranean parking garage would be built beneath the senior living community and would provide 203 parking spaces. Refer to Table A for a breakdown of the applicable parking requirements for the community. The ramp to the subterranean parking garage would be located on Bolsa Chica Street south of the exit-only driveway and adjacent to the multi-purpose room. Pursuant to the 2019 California Building Code Section 11B-208.2, 7 of the 207 parking spaces would be Americans with Disabilities Act (ADA) compliant, including 2 ADA van-accessible spaces. Additionally, 25 of the provided parking spaces would be designated for carpool/clean air vehicles and electric vehicle capable in accordance with the 2019 California Green Building Code (CGBC) Tables 5.106.5.2. and 5.106.5.3. An additional 2 parking spaces (not included in the project's total parking space count) would be provided in the loading area accessible from Warner Avenue. Guest parking is included in the parking requirement calculation outlined below in Table A.

**Table A: Parking Requirements**

| Unit Type | Parking Requirement[1] | Units/Beds | Number of Required Parking Spaces |
|---|---|---|---|
| Memory Care (Skilled Nursing Communities) | 0.65 space per unit | 28 units | 18.2 |
| Assisted Living | 0.65 space per unit | 62 units | 40.3 |
| Independent Living | 1.2 spaces per unit | 123 units | 147.6 |
| | | **Total Spaces Required** | **207** |

Sources: Bolsa Chica Senior Living Community Draft Specific Plan (July 2022); CallisonRTKL (2022).

### *Lighting*

The proposed project would feature outdoor lighting, including pathway lighting, to meet safety and orientation needs of residents and the public utilizing sidewalks adjacent to the community. Wall mounted light fixtures would flank the building perimeter on the first floor. Lighting in public areas would be warmly colored, unobtrusive, and angled in a way that minimizes spill and glare. The level of lighting intensity would vary throughout the day. Lighting would be shielded and directed downward to avoid off-site light spillage.

### *Infrastructure*

**Water.** The Utilities Division of the City's Public Works Department currently provides potable water service to the project site. The proposed project would connect to an existing 8-inch water line running parallel to Warner Avenue as well as to an existing 12-inch water line running parallel to Bolsa Chica Street.

An 8-inch fire service point of connection would be provided at the entrance to the fire access road off of Warner Avenue and at the entrance to the fire access road off of Bolsa Chica Street. An

existing fire hydrant would be relocated to the east side of the community near the entrance to the subterranean parking garage off of Bolsa Chica Street. The proposed project would reconnect an existing fire hydrant lateral line to an existing water line running parallel to Warner Avenue. Additional fire hydrants would be provided along the north side of the community near the fire access road entrance off of Warner Avenue, at the northeast corner of the community along Bolsa Chica Street, and at the southwest corner of the fire access road off of Bolsa Chica Street.

**Sewer.** The Utilities Division of the City's Public Works Department currently provides sewer service to the project site. The proposed project would perpendicularly extend an existing 8-inch sewer lateral line from the north side of the community to connect to an existing 18-inch sewer line running parallel to Warner Avenue. Additional sewer points of connection would be provided along the east side of the community connecting to an existing 8-inch sewer main running parallel to Bolsa Chica Street.

**Drainage.** The project site has a relatively flat topography. Stormwater discharged from the project site is directed to a Municipal Separate Storm Sewer System (MS4) that discharges into the westerly flowing Sunset Channel.

Runoff on the project site that flows easterly is ultimately collected by an existing ribbon gutter and by one of the existing City-owned catch basins located on Bolsa Chica Street near the corner of Warner Avenue. The runoff is collected by an existing 48-inch storm drain system located on Bolsa Chica Street flowing north, which increases in size to a 60-inch and then a 72-inch concrete pipe prior to discharging into the Sunset Channel. The Sunset Channel flows into Huntington Harbor and Anaheim Bay.

With implementation of the proposed project, runoff from the project site would be collected by inlets, a trench drain, and multiple roof drains and would flow towards either a biofiltration planter or modular wetlands, or a combination of both, for treatment. Following treatment, runoff would be directed into an existing catch basin located on Warner Avenue, where it would be collected into an existing 48-inch storm drain system.

Prior to construction, a Storm Water Pollution Prevention Plan (SWPPP) will be filed with the appropriate state and local agencies, including the California State Water Resources Control Board and the Santa Ana Regional Water Quality Control Board. The proposed project will comply with all requirements of such agencies.

**Utilities and Service Systems.** Utilities for the proposed project would include electricity provided by Southern California Edison, natural gas provided by the Southern California Gas Company, telecommunication facilities, and cable services provided by third-party providers. The City of Huntington Beach contracts third-party services for solid waste collection, recycling, green waste collection, and composting services. Solid waste is taken to a transfer station in Huntington Beach, where it is processed and transported to the Frank Bowerman Landfill in Irvine. Existing power poles and overhead wiring located along the project site's Bolsa Chica Street frontage would be removed and undergrounded. All new utility infrastructure for electricity, natural gas, telecommunications, and cable service that is not installed underground within the proposed development site would be screened from public view with a minimum 3-foot-wide landscaped area in accordance with Section 230.76 of the City's Zoning Code.

### *Construction*

**Construction Staging.** It is anticipated that the construction period for the senior living community, including the subterranean parking garage, would be approximately 28 months. During the peak of construction approximately 200 construction workers are anticipated to be on site each day.

**Cut/Fill Quantities.** Construction of the proposed project would require approximately 55,000 cubic yards of cut which would be exported off-site for appropriate disposal. The disposal site is likely approximately 35 miles from the project site at United Rock Products Corporation in Irwindale. No fill is anticipated for the proposed project.

**Excavation.** The anticipated excavation depth for the proposed project would be approximately 13 feet below the existing ground surface. It is estimated that 55,000 cubic yards of dirt would be excavated for construction of the subterranean parking garage.

## ANTICIPATED APPROVALS AND PERMITS

It is anticipated that the proposed project would require the following approvals and permits:

- General Plan Amendment to change the land use designation from Commercial General (CG) to Mixed Use (MU);
- Adoption of a Specific Plan that will establish development standards specific to the project site;
- Zoning Map Amendment to change the zoning from CG to Specific Plan (SP);
- Conditional Use Permit (CUP) for convalescent community use;
- Grading, street, and infrastructure permits;
- Utility permits, including sewer, water, and storm drain;
- Building permits; and
- Any other necessary discretionary or ministerial permits and approvals required for the construction and operation of the proposed project.

## PROJECT DESIGN FEATURES

Project Design Features are specific design components of the proposed project that have been incorporated to reduce potential environmental impacts related to aesthetics and include the following:

- Parking would be located below grade within the subterranean parking garage in order to minimize views of parking to the surrounding uses.'
- Landscaping would be incorporated along the project site perimeters to create a green buffer between the project and surrounding uses.

- The use of multilevel rooflines and varying building setbacks along Warner Avenue and Bolsa Chica Street would break up the scale and massing of the building.

- Contemporary light colors and a variety of building materials would be used for the exterior building finishes to enhance and unite the neighborhood's aesthetic quality.

- A roll down shutter would enclose the entrance to the subterranean parking garage along Bolsa Chica Street.

- Four-foot-high enclosures would be provided on the main roof to screen roof-top equipment.

**SURROUNDING LAND USES AND SETTING**

The project site is directly bordered by Warner Avenue to the north and Bolsa Chica Street to the east. Surrounding land uses include a mix of commercial, industrial, and residential uses (refer to Figure 4). Directly north of the project site, across Warner Avenue, is a mix of retail businesses, including Walgreens (formerly Lewis Cleaner) and CVS. Directly east of the project site, across Bolsa Chica Street, are an automotive repair business and four single-family homes. Immediately south of the project site is an industrial property, and immediately west of the project site is a two-story apartment complex. Former service stations were previously located at the northwest corner and southeast corner of Bolsa Chica Street and Warner Avenue. These service stations have not been in operation since 1985 and 1992, respectively. The Meadowlark Airport, which closed in 1989, was located approximately 0.5 mile northeast of the project site. The Summerlane Community and Gibbs Park now occupies the former airport site. Former oil fields are located to the northwest, west and south of the project site. As discussed further in Section 4.12, oil wells (both former and current) are scattered throughout much of the Huntington Beach planning area, particularly along the coastal areas and mesas.

As described above, the project site is currently fully developed with commercial (retail and office) uses and an associated surface parking lot. The existing commercial and retail uses total approximately 55,000 square feet and are contained in two buildings comprised of a two-story commercial building fronting on Warner Avenue and a larger three-story office building fronting on Bolsa Chica Street. Development of the proposed project would require demolition and removal of the existing two commercial buildings, surface parking, fence and block wall, landscaping, yard lights, signage, and all above ground water and gas lines on the project site. All existing utility sewer, water, and gas lines below grade would be disconnected and capped.

**OTHER PREVIOUS RELATED ENVIRONMENTAL DOCUMENTATION:** NONE.

**OTHER AGENCIES WHOSE APPROVAL IS REQUIRED (AND PERMITS NEEDED)** (i.e., permits, financing approval, or participating agreement)

- Pool permit from the Orange County Health Care Agency; and

- Type 47 license from the Department of Alcoholic Beverage Control (ABC).

**HAVE CALIFORNIA NATIVE AMERICAN TRIBES TRADITIONALLY AND CULTURALLY AFFILIATED WITH THE PROJECT AREA REQUESTED CONSULTATION PURSUANT TO PUBLIC RESOURCES CODE SECTION 21080.3.1? IF SO, IS THERE A PLAN FOR CONSULTATION THAT INCLUDES, FOR EXAMPLE, THE DETERMINATION OF SIGNIFICANCE OF IMPACTS TO TRIBAL CULTURAL RESOURCES, PROCEDURES REGARDING CONFIDENTIALITY, ETC.?**

The California Native American Tribes traditionally and culturally affiliated with the project area will be invited to consult with the City. Information provided through the Assembly Bill 52 tribal consultation process (Public Resources Code Section 21080.3.1) will inform the assessment as to whether tribal cultural resources are present and the significance of any potential impacts to such resources. This information will be provided in the EIR.

## 2.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

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

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

### 2.1 DETERMINATION

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

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

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

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

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

I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, **nothing further is required.** _____

| | |
|---|---|
| Signature | 10/27/22<br>Date |
| HAYDEN BECKMAN<br>Printed Name | SENIOR PLANNER<br>Title |

# 3.0 EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to the project. A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards.

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

3. "Potentially Significant Impact" is appropriate, if an effect is significant or potentially significant, or if the lead agency lacks information to make a finding of insignificance. If there are one or more "Potentially Significant Impact" entries when the determination is made, preparation of an Environmental Impact Report is warranted.

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

5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other California Environmental Quality Act (CEQA) process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). Earlier analyses are discussed in Section 5.0 at the end of the checklist.

6. References to information sources for potential impacts (e.g., general plans, zoning ordinances) have been incorporated into the checklist. A source list has been provided in Section 6.0. Other sources used or individuals contacted have been cited in the respective discussions.

7. The following checklist has been formatted after Appendix G of Chapter 3, Title 14, California Code of Regulations, but has been augmented to reflect the City of Huntington Beach's requirements.

(Note: Standard Conditions of Approval - The City imposes standard conditions of approval on projects which are considered to be components of or modifications to the project; some of these standard conditions also result in reducing or minimizing environmental impacts to a level of insignificance. However, because they are considered part of the project, they have not been identified as mitigation measures. Applicable standard conditions are identified in the environmental impacts discussions of this document.)

# 4.0 ENVIRONMENTAL ANALYSIS

## 4.1 AESTHETICS

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Except as provided in Public Resources Code Section 21099, would the project:* | | | | |
| a) Have a substantial adverse effect on a scenic vista? | | | X | |
| b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | | | X | |
| c) In non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | X | | | |
| d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | | | X | |

**Impact Analysis:**

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

**Less Than Significant Impact.**

Scenic vistas are viewpoints that provide expansive views of a highly valued landscape for the public's benefit. Aesthetic components of a scenic vista include (1) scenic quality, (2) sensitivity level, and (3) view access. A scenic vista can be impacted in two ways: a development project can have visual impacts by either directly diminishing the scenic quality of the vista or by blocking the view corridors or "vista" of the scenic resource. Important factors in determining whether a proposed project would block scenic vistas include the project's proposed height, mass, and location relative to surrounding land uses and travel corridors.

While the City of Huntington Beach's (City) General Plan does not officially designate any scenic vistas within Huntington Beach, the City has identified scenic corridors that have notable aesthetic appeal for the community as a way to protect land adjacent to scenic highways. Refer to Response 4.1(b) for a discussion of scenic highways within the City. Unofficial scenic views within the City include views of the Pacific Ocean and the Bolsa Chica Ecological Reserve and panoramic views of the Pacific Ocean and Catalina Island from beach and shore areas, Pacific Coast Highway and surrounding local streets, and the Huntington Beach Municipal Pier. Scenic resources in the City include the Pacific Ocean and the adjacent beaches and viewpoints, the Bolsa Chica Ecological Reserve and Mesa, the Huntington Beach Municipal Pier, the Huntington Beach Wetlands, the Huntington Beach Harbour, and the Huntington Beach Central Park urban forest.

Currently, no designated scenic vistas or scenic resources are visible from the project site. The project site is within an urbanized area predominantly developed with commercial, industrial, and residential uses. The surrounding views comprise a developed urban and suburban environment that is built out. Existing development in the project vicinity includes a mix of retail businesses, including Walgreens and CVS, directly north of the project site across Warner Avenue; an automotive repair business and single-family homes directly east of the project site across Bolsa Chica Street; an industrial property immediately south of the project site; and a two-story apartment complex immediately west of the project site. Existing structures in the project's vicinity range from one to three stories in height. The proposed five-story senior living community is anticipated to provide views of the Bolsa Chica Ecological Reserve from units on the fifth floor with windows facing to the southwest—creating a scenic vista rather than diminishing one. Existing development in the area, particularly the adjacent Monticello Apartment complex, is at a density similar to or greater than that of the current commercial uses on the project site. Although the proposed senior living community would introduce a use that is more dense than current on-site uses and adjacent off-site uses, the density is consistent with that of existing multi-family residential and assisted living development within the greater project area.

The project site is currently fully developed with commercial (retail and office) uses including a two-story commercial building fronting on Warner Avenue, a larger three-story office building fronting on Bolsa Chica Street, and an associated surface parking lot. The proposed project includes the demolition and removal of the existing two commercial buildings and surface parking and development of a five-story State-licensed senior living community with a subterranean parking garage, landscaping, and utility improvements. The new senior living community would not exceed the 65-foot structure height limit that applies to the project site as specified in the Draft Bolsa Chica Senior Living Community Specific Plan (July 2022). The new community would be within the existing height range of structures within the greater project area and along Bolsa Chica Street and Warner Avenue, and would not be significantly taller than the existing three-story structures in the vicinity of the site such as the Villa Milano Condos located east of the project site on Warner Avenue or the Cabo Del Mar Condos located east of the project site on Bolsa Chica Street. As previously discussed, the density of the proposed project would also be similar to that of the surrounding densities. Because scenic vistas within the City are not currently visible from the project site, the development would not obstruct any scenic views. The proposed project would, however, create views of the Bolsa Chica Ecological Reserve from fifth-story units with southwest-facing windows. Therefore, the proposed project would have a less than significant impact on scenic vistas. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

The California Department of Transportation (Caltrans) Landscape Architecture Program administers the Scenic Highway Program, contained in the Streets and Highway Code Sections 260–263. Scenic highways are classified as either Officially Listed or Eligible. There are no Officially Listed or Eligible State-designated Scenic Highways in Huntington Beach. As such, the proposed project would not impact scenic resources within a State-designated Scenic Highway.

The City's General Plan Circulation Element (2017) identifies Pacific Coast Highway as an informal scenic highway and a major urban scenic corridor. The project site is located approximately 1.25 miles northeast of Pacific Coast Highway and is not visible due to intervening land uses. Warner Avenue east of the intersection with Bolsa Chica Street is a City-designated major urban scenic corridor. Per the City's Circulation Element, developed areas along major urban scenic corridors may be regulated to preserve views within the California Coastal Zone, and landscaping and detailing are required to reinforce the aesthetic beauty of the surrounding area. The segments of Bolsa Chica Street south of the intersection with Warner Avenue and Warner Avenue west of the intersection with Bolsa Chica Street are City-designated landscape corridors. Per the City's Circulation Element, landscape corridors are corridors requiring specific signage, landscaping, and features to reinforce the design continuity of the area. As shown on Figure 6, Conceptual Landscape Plan, the proposed project would feature landscaped areas along all project boundaries, including the boundary along Bolsa Chica Street and Warner Avenue, which would contribute to the design continuity of that corridor and represent an improvement to current condition.

As stated previously, there are no Officially Listed or Eligible State-designated Scenic Highways in Huntington Beach. Additionally, no scenic rock outcroppings are located within the project limits. Therefore, the proposed project does not have the potential to damage scenic resources within a State Scenic Highway, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

c) *Would the project in a non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?*

**Potentially Significant Impact.**

The project site is currently fully developed with commercial (retail and office) uses including a two-story commercial building fronting on Warner Avenue, a larger three-story office building fronting on Bolsa Chica Street, and an associated surface parking lot. The project site is located within an urbanized area predominantly developed with commercial, industrial, and residential uses. In the existing condition, the project site contains a variety of trees and ornamental landscaping within the surface parking lot and surrounding the commercial buildings. The proposed project includes the demolition of both existing commercial buildings and associated surface parking lot, and development of a new five-story senior living community with a subterranean parking garage and on-site landscaping and utility improvements.

The project site is currently zoned Commercial General. The Applicant is requesting a Zoning Map Amendment to change the zoning of the site from Commercial General to Specific Plan. The proposed licensed senior living community is considered a convalescent community, which is conditionally permitted under the existing zoning designation by the Zoning Administrator and would be a conditionally permitted use under the requested Specific Plan zoning designation. Therefore, a Conditional Use Permit (CUP) would be required for the proposed project.

According to the General Plan Land Use Element (2017), the project site is currently designated as Commercial General. This land use designation provides for retail commercial, professional offices, eating and drinking establishments, financial institutions, automobile sales, household goods, food sales, drugstores, building materials and supplies, personal services, recreational

commercials, hotels/motels, timeshares, cultural facilities, institutional, health care, government offices, and educational uses. The current maximum Floor Area Ratio (FAR) is 1.5, and the current maximum building height is fifty feet. The Applicant is requesting a General Plan Amendment to change the land use designation from Commercial General to Mixed Use. The mixed use designation provides for any combination of commercial uses; offices, attached single-family housing, multiple-family housing, and live-work units; institutional uses; cultural facilities; developments including an open space component; and/or civic facilities. Maximum FAR and residential density standards are established within individual specific plan areas. A Specific Plan is in preparation for the project site, that with adoption, would establish site development standards and design guidelines tailored to promote development of a senior living community that meets the highest industry standards. The Specific Plan would increase the allowable FAR to 2.5 and the maximum building height to 65 feet (excluding mechanical equipment). The proposed project would have a FAR and building height within the allowable ranges pursuant to the Specific Plan in development.

An analysis of the proposed project's consistency with the applicable zoning and General Plan regulations governing scenic quality, and with the applicable General Plan Land Use Element goals and policies related to aesthetics and scenic quality will be completed as part of the EIR. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

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

**Less Than Significant Impact.**

The impact of nighttime lighting depends on the type of use affected, the proximity to the affected use, the intensity of specific lighting, and the background or ambient level of the combined nighttime lighting. Nighttime ambient light levels may vary considerably depending on the age, condition, and abundance of point-of-light sources present in a particular view. The use of exterior lighting for security and aesthetic illumination of architectural features may contribute to ambient nighttime lighting conditions.

The spillover of light onto adjacent properties has the potential to interfere with certain activities, including vision, sleep, privacy, and general enjoyment of the natural nighttime condition. Light-sensitive uses include residential, some commercial and institutional uses, and, in some situations, natural areas. Changes in nighttime lighting may become significant if a proposed project substantially increases ambient lighting conditions beyond its property lines or if the project lighting routinely spills over into adjacent light-sensitive land use areas.

Reflective light (glare) is caused by sunlight or artificial light reflecting from finished surfaces (e.g., window glass) or other reflective materials. Glass and other materials can have many different reflectivity characteristics. Buildings constructed of highly reflective materials from which the sun reflects at a low angle commonly cause adverse glare. Reflective light is common in urban areas. Glare generally does not result in the illumination of off-site locations but does result in a visible source of light viewable from a distance.

The project site is currently developed with two commercial buildings and an associated surface parking lot. The project site is surrounded by a variety of industrial, commercial, and residential

uses. Sensitive receptors subject to potential light and glare impacts in the vicinity of the project site include residential uses to the east (across Bolsa Chica Street) and to the west of the site.

Existing sources of light on the project site include exterior building lights, pole-mounted lighting in the surface parking lot, and pole-mounted street lights along Bolsa Chica Street and Warner Avenue. Other sources of light in the vicinity of the project site include exterior lighting from adjacent properties, streetlights, and vehicle headlights. The development of a five-story senior living community would introduce sources of light to the project site that are typical of commercial and office uses and similar to existing light sources. Outdoor lighting proposed as part of the project would include complementary fixtures with a similar aesthetic, emphasizing efficiency and good light control. Exterior lighting fixtures would be compatible with the building design and complement the landscape character. All on-site outdoor lighting would be placed to meet safety and orientation needs. Lighting in public areas would be warmly colored, unobtrusive, and angled in a way that minimizes spill and glare. The level of lighting intensity would vary throughout the day. Lighting would be shielded and directed downward to avoid off-site light spillage. The proposed senior living community would replace two existing commercial buildings and a surface parking lot and would not introduce a significant new source of light on the project site. As a condition of project approval, the proposed project would be required to comply with lighting standards described in the Photometric Plan. Although the proposed project is not anticipated to incorporate design features that would result in excessive lighting or the generation of glare on the site, the Photometric Plan and any other lighting plans are subject to City review and approval as part of the site plan review process. Implementation of Standard Condition AES-1, below, as a condition of project approval would ensure that impacts associated with new lighting would be less than significant. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, the following Standard Condition shall be incorporated to reduce potential impacts associated with new lighting.

**Standard Condition AES-1:** **Photometric Plan.** Prior to issuance of any building permits, the project Applicant shall prepare a photometric plan for review and approval by the City of Huntington Beach (City) Director of Community Development, or designee. The photometric plan shall be prepared by a qualified engineer and shall demonstrate, to the extent feasible, that the intensity and direction of all on-site outdoor lighting minimize spillage and glare onto adjacent properties.

## 4.2 AGRICULTURE AND FORESTRY RESOURCES

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

**Impact Analysis:**

a) *Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?*

**No Impact.**

According to the Orange County Important Farmland Map (2018), the entire project site and surrounding area is designated as "Urban and Built Up" land."[1] Development of the proposed project would not result in any impacts to Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

The Williamson Act was established to encourage the conservation of farmland and certain open space uses by way of lower property taxes to landowners of such property. According to the California Department of Conservation (DOC), the project site is not subject to a Williamson Act contract.[2] Further, the project site is not zoned for agricultural use. Therefore, the proposed project would not conflict with zoning designations for agricultural use or land currently under a Williamson Act contract. No impacts would occur, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

c) *Would the project conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production?*

**No Impact.**

The project site is not zoned for, and does not contain, any forest land or timberland uses. Furthermore, there is no forest land or timberland within the vicinity of the project site. Therefore, the proposed project would not result in impacts to forestland or timberland, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

The project site is not currently zoned or used for forest land or timber land and is located within an urbanized area. Therefore, implementation of the proposed project would not result in the loss or conversion of forest land to a non-forest use, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

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1 California Department of Conservation (DOC). 2018. Orange County Important Farmland. Website: https://www.conservation.ca.gov/dlrp/fmmp/Pages/Orange.aspx (accessed July 6, 2022).

2 DOC. 2019. Website: https://www.conservation.ca.gov/dlrp/wa/Pages/stats_reports.aspx (accessed July 6, 2022).

As stated above, there are no existing agricultural uses or forest lands on the project site. Therefore, development of the proposed project would not result in any changes in the environment that would result in the conversion of farmland or forests to non-agricultural use, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.3 AIR QUALITY

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

**Impact Analysis:**

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

**Potentially Significant Impact.**

The project site is located within the City of Huntington Beach, which is part of the South Coast Air Basin (Air Basin). The Air Basin includes all of Orange County and portions of Los Angeles, Riverside, and San Bernardino Counties. Air quality within the Air Basin is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD and the Southern California Association of Governments (SCAG) adopted the 2016 Air Quality Management Plan (2016 AQMP) in March 2017.

Consistency with the 2016 AQMP for the Air Basin would be achieved if a project is consistent with the goals, objectives, and assumptions in the respective plan to achieve the federal and State air quality standards. Per the SCAQMD *CEQA Air Quality Handbook* (April 1993) and associated updates, there are two main indicators of a project's consistency with the applicable AQMP: (1) whether the project would increase the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the 2016 AQMP; and (2) whether the project would

exceed the 2016 AQMP's assumptions for 2030 or yearly increments based on the year of project buildout and phasing.

A project-specific air quality analysis will be completed as part of the EIR to analyze the potential air quality emissions for the proposed project, and to determine whether the proposed project would be consistent with the 2016 AQMP. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

b) *Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?*

**Potentially Significant Impact.**

The proposed project has the potential to result in significant short-term construction-related air quality impacts associated with demolition, grading and construction activity, and long-term air quality impacts primarily related to vehicular traffic. An air quality analysis will be completed as part of the EIR and will determine whether there will be an increase in any criteria pollutants. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

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

**Potentially Significant Impact.**

The proposed project has the potential to result in significant short-term construction-related air quality impacts associated with demolition, grading and construction activity, and long-term air quality impacts primarily related to vehicular traffic. A comprehensive air quality analysis will be completed as part of the EIR and will analyze potential impacts on sensitive receptors. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

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

**Less Than Significant Impact.**

SCAQMD's *CEQA Air Quality Handbook* (1993) identifies various secondary significance criteria related to odorous air contaminants. Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills, or heavy manufacturing uses. The proposed project does not include any such uses or activities that would result in potentially significant odor impacts.

Some odors may emanate from the operation of diesel-powered construction equipment during construction of the proposed project. However, these odors would be limited to the construction period and would disperse quickly; therefore, these odors would be considered less than significant and would not require mitigation.

The proposed project includes the development of a senior living community with a subterranean parking garage, landscaping, and on-site utility improvements, which would not produce objectionable odors. Although trash receptacles could be a source of odors, all project-generated

refuse would be stored in a trash enclosure and removed at regular intervals in compliance with the City's solid waste regulations. Therefore, no significant impacts related to objectionable odors would result from the proposed project, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.4 BIOLOGICAL RESOURCES

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

**Impact Analysis:**

a) *Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local*

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

**Less Than Significant Impact.**

The project site is currently fully developed with two commercial buildings and an associated parking lot. The project site is located within an urbanized area of the City, as the entirety of the surrounding vicinity has been previously developed. There are no native habitats within the project site with the potential to support sensitive plant and animal species. The project site contains ornamental landscaping and non-native trees, which could potentially support nests and roosting for bird species. However, if vegetation removal were to occur during the nesting bird season (February 1 through August 31), a pre-construction survey would be required to ensure that any active nests are identified and appropriate measures taken to ensure that impacts to nesting species are in compliance with regulations established in the Migratory Bird Treaty Act of 1918 (MBTA) (refer to Standard Condition BIO-1, below). The MBTA governs the taking and killing of migratory birds, their eggs, parts, and nests, and prohibits the take of any migratory bird, its eggs, parts, and nests. Compliance with this federal law would ensure project implementation would not impact nesting birds.

Given the project site's proximity to the Bolsa Chica Ecological Reserve, a literature review was conducted to evaluate the potential for bird collisions with implementation of the proposed project. The main factors that affect bird collisions include the height of a building, the reflective glass to surface ratio, vegetation along buildings that may be reflected in windows, and nighttime lighting. While the proposed project has a high glass to surface ratio, non-reflective glass, patterned glass, and glass in the ultra-violet range that would be visible to birds and not humans could be implemented as part of the project design to reduce the risk of collisions. However, most waterfowl and shorebirds that inhabit or use the Bolsa Chica Ecological Reserve as a stopover along their migration routes are likely to migrate at altitudes higher than the proposed building. Furthermore, the proposed project would not create a substantial source of nighttime lighting. Therefore, implementation of the proposed project is not likely to result in a population-wide effect from bird collisions.

No other impacts to candidate, sensitive, or special-status species are anticipated from implementation of the proposed project. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, Standard Condition BIO-1 is a regulatory compliance measure based on federal law related to nesting birds. This standard condition is applicable to the proposed project and shall be incorporated to reduce potential impacts to any nesting birds.

**Standard Condition BIO-1** **Compliance with Migratory Bird Treaty Act (MBTA).** Tree and vegetation removal shall be restricted to outside the active nesting season (February 1 through August 31). If construction is proposed between February 1 and August 31, a qualified biologist familiar with local avian species and the requirements of the MBTA and the California Fish and Game Code shall conduct a pre-construction survey for nesting birds no more than 3 days prior to construction. The

survey shall include the entire area that will be disturbed. For any active nest(s) identified, the qualified biologist shall establish an appropriate buffer zone around any active nest(s). The appropriate buffer shall be determined by the qualified biologist based on species, location, and the nature of the proposed activities. Project activities shall be avoided within the buffer zone until the nest is deemed no longer active, as determined by the qualified biologist.

b) *Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?*

**No Impact.**

As stated in Response 4.4(a) above, the project site is entirely developed with two commercial buildings, parking, associated infrastructure, and ornamental landscaping. There are no riparian habitats or other sensitive natural communities as identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or the United States Fish and Wildlife Service (USFWS). Therefore, development of the proposed project is not anticipated to have an impact on any riparian habitat or other sensitive natural community, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process**.

c) *Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

**No Impact.**

The project site is currently developed and located within a highly urbanized area, and as such, does not contain any federally protected wetlands as defined by Section 404 of the Clean Water Act. Therefore, the proposed project would have no impact on federally protected wetlands, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

d) *Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites?*

**Less Than Significant Impact.**

The project site is located in an urbanized area of the City that is developed with residential and commercial uses. Within the vicinity of the project site, there are no large areas of natural habitat that would facilitate migratory fish or wildlife movement or serve as a wildlife corridor. As described in Response 4.4(a) above, construction of the proposed project would be required to comply with the MBTA. Compliance with this federal law would ensure that project implementation would not impact migratory wildlife. **This topic will not be analyzed further in**

**the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

Development of the proposed project would require the removal of existing ornamental landscaping and non-native trees from within the project site. As shown on the proposed project's Conceptual Landscape Plan (refer to Figure 6), the development of the proposed project would include planting of the following tree species within the community's perimeter landscape areas as well as within internal courtyards: Medjool date palm (*Phoenix dactylifera 'medjool'*), Brisbane box (*Lophostemon confertus*), swan hill olive (*Olea europea 'swan hill'*), schefflera (Sc*hefflera T. 'yuan shan'*), and Indian Laurel (*ficus nitida 'column'*). The City's General Plan Environmental Resources and Conservation Element (2017) does not contain any tree preservation policies for trees located on private land. In addition, it should be noted that existing trees on the project site are non-native and are not considered sensitive biological resources. Therefore, the proposed project would not conflict with any local policies or ordinances protecting biological resources. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

There is no adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP), or other habitat conservation plan in the City. The Orange County Transportation Authority's (OCTA) 2016 Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP), which was adopted for the purpose of permitting freeway capital improvement projects proposed by OCTA and OCTA's habitat preserve, restoration, and monitoring activities, includes a Plan Area that covers the entirety of Orange County, including Huntington Beach. The City is not a party to the OCTA NCCP/HCP, and development activity within the City is not subject to the provisions of the OCTA NCCP/HCP. Therefore, the OCTA NCCP/HCP does not apply to the proposed project, and the proposed project would not conflict with any local, regional, or State HCP or NCCP. The proposed project would not result in impacts related to conflict with any provisions of an HCP or NCCP, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.5 CULTURAL RESOURCES

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5? | X | | | |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? | X | | | |
| c) Disturb any human remains, including those interred outside of formal cemeteries? | | | X | |

**Impact Analysis:**

a) *Would the project cause a substantial adverse change in the significance of a historical resource pursuant to δ15064.5?*

**Potentially Significant Impact.**

The project site is currently developed with two commercial buildings, located at 4952 and 4972 Warner Avenue, that were constructed in 1977 and 1979. Pursuant to CEQA, because these buildings are less than 50 years of age, they do not require evaluation for historical significance as part of the environmental review process for the proposed project. However, further evaluation of these buildings concluded they are not tied to exceptional importance, nor do they meet the criteria for historic designation under the California Register's Criterion 1-4. Removal of these buildings would not impact any significant elements of the built environment. Therefore, the buildings are not historical resources per CEQA. An archaeological records search request has been submitted to the South Central Coast Information Center (SCCIC) at California State University (CSU) Fullerton for the proposed project. However, the results of the records search are still pending. Therefore, a cultural (prehistoric and historic) resources record review and literature search will be conducted, and impacts to potentially historical archaeological resources on the project site will be evaluated in the EIR. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

b) *Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to δ15064.5?*

**Potentially Significant Impact.**

The soils on the project site have been disturbed previously from development of the existing two commercial buildings on the site, landscaping, parking, and associated infrastructure. However, new ground-disturbing activities associated with project construction activities could have the potential to unearth any previously unknown archaeological resources. As stated above, an archaeological records search request has been submitted to the SCCIC at CSU Fullerton for the proposed project. However, the results of the records search are still pending. Therefore, pending

receipt of the records search results, an analysis of the proposed project's potential impacts to archaeological resources will be conducted. **This topic will be analyzed further in the EIR.**

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

**Less than Significant Impact.**

The project site is not located near or adjacent to any formal cemeteries, and there are no known human remains interred on the project site. Additionally, as is indicated previously, due to the developed nature of the project site, the likelihood of encountering buried cultural resources anywhere within the project site is very low. Therefore, such impacts are considered less than significant. No known human remains are present on the project site, and there are no facts or evidence to support the conclusion that Native Americans or other peoples are buried on the project site. However, buried and undiscovered archaeological remains, including human remains, could be present below the ground surface in portions of the project site despite no evidence to support this conclusion. Disturbing human remains could violate the State's Health and Safety Code, as well as destroy the resource. In the unlikely event that human remains are encountered during project grading, the construction contractor would be required to notify the proper authorities and adhere to standard procedures that would ensure the respectful handling of human remains during the earthmoving activities.

Construction contractors are required to adhere to California Code of Regulations (CCR) Section 15064.5(e), Public Resources Code (PRC) Section 5097, and Section 7050.5 of the State's Health and Safety Code. To ensure proper treatment of burials in the event of an unanticipated discovery of a burial, human bone, or suspected human bone, the law requires that all excavation or grading in the vicinity of the find halt immediately, the area of the find be protected, and the contractor immediately notify the County Coroner of the find. The construction contractor, the City, and the County Coroner are required to comply with the provisions of CCR Section 15064.5(e), PRC Section 5097.98, and Section 7050.5 of the State's Health and Safety Code. Compliance with these provisions (specified in Standard Condition CUL-1, below) would ensure that any potential impacts to unknown buried human remains would be less than significant by ensuring appropriate examination, treatment, and protection of human remains as required by State law. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, Standard Condition CUL-1 is a regulatory compliance measure based on State law related to the discovery of human remains. This standard condition is applicable to the proposed project and shall be incorporated to ensure that the proposed project has minimal impacts related to unknown buried human remains.

**Standard Condition CUL-1** **Human Remains.** In the event that human remains are encountered on the project site, work within 50 feet of the discovery shall be redirected and the County Coroner notified immediately consistent with the requirements of California Code of Regulations (CCR) Section 15064.5(e). State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98. If the

remains are determined to be Native American, the County Coroner shall notify the Native American Heritage Commission (NAHC), which shall determine and notify a Most Likely Descendant (MLD). With the permission of the City of Huntington Beach (City), the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC. The MLD may recommend scientific removal and non-destructive analysis of human remains and items associated with Native American burials. Consistent with CCR Section 15064.5(d), if the remains are determined to be Native American and an MLD is notified, the City shall consult with the MLD as identified by the NAHC to develop an agreement for treatment and disposition of the remains. Prior to the issuance of grading permits, the City Director of Community Development, or designee, shall verify that all grading plans specify the requirements of CCR Section 15064.5(e), State Health and Safety Code Section 7050.5, and PRC Section 5097.98, as stated above.

## 4.6 ENERGY

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

**Impact Analysis:**

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

**Potentially Significant Impact.**

The proposed project includes the demolition of two existing commercial buildings and an associated parking lot on the project site and the construction of an approximately 290,850-square-foot five-story senior living community with a subterranean parking garage. Construction of the proposed project would require demolition, site preparation, grading, building construction, paving, and architectural coating activities. Construction of the proposed project would require

energy for the manufacture and transportation of construction materials, preparation of the site for grading and building activities, and construction of the community. All or most of this energy would be derived from non-renewable resources. Energy consumption related to project operations would include transportation energy demands (energy consumed by service, employee, and resident vehicles), and building energy for heating/cooling, and cooking. Consumption of energy resources will be evaluated as part of the EIR, analyzing short-term and long-term impacts of the proposed project. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

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

**Potentially Significant Impact.**

The proposed project has the potential to result in significant short-term construction-related and long-term operational energy impacts. A consistency analysis will be conducted to determine if the proposed project conflicts with or obstructs a State or local plan for renewable energy or energy efficiency. As such, impacts to energy resources will be evaluated as part of the EIR, analyzing short-term and long-term impacts of the proposed project, as well as project consistency with State and local plans related to energy. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

## 4.7 GEOLOGY AND SOILS

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? | | | X | |
| ii) Strong seismic ground shaking? | | | X | |
| iii) Seismic-related ground failure, including liquefaction? | | | X | |
| iv) Landslides? | | | | X |
| b) Result in substantial soil erosion or loss of topsoil? | | | X | |

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | | | X | |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property? | | | X | |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of wastewater? | | | | X |
| f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature? | X | | | |

The following section is based on information contained in the *Preliminary Geotechnical Site Evaluation Bolsa Chica Senior Living Community* (Geotechnical Investigation) (Langan, April 2022), which is provided in Appendix A of this Initial Study.

**Impact Analysis:**

a) *Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:*

i) *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?*

**Less Than Significant Impact.**

The City of Huntington Beach, like the rest of Southern California, is located in a seismically active area. The Newport-Inglewood Fault Zone runs through the City, and the San Andreas Fault, the Elsinore Fault, and San Jacinto Fault, the San Joaquin Hills Thrust Fault, and the Puente Hills Thrust Fault are all located within approximately 50 miles of the City (City General Plan Natural and Environmental Hazards Element, 2017). The closest known fault to the project site is the Newport-Inglewood Alt 2 Fault, located approximately 0.8 mile east of the site. The next closest faults are the Newport-Inglewood Alt 1 Fault (approximately 1 mile north of the site) and the Compton Fault (approximately 4.1 miles north of the site). As stated in the Geotechnical Investigation (April 2022), the project site is not within a mapped, currently established Alquist-Priolo Special Study Zone or a Fault Rupture Study Area. Although there are no known faults on the project site, the site is in an active seismic area that has historically been affected by generally moderate to occasionally high levels of ground motion.

Given the City's location in the seismically active area of Southern California, the proposed project would be required to comply with the most current California Building Standards Code and the Huntington Beach Building and Construction Code, which stipulates appropriate seismic design provisions that shall be implemented with project design and construction. Therefore, the proposed project would not result in any impacts related to the rupture of a known earthquake fault as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

*ii) Strong seismic ground shaking?*

**Less Than Significant Impact.**

Although there are no known active faults running through the project site, the City is located in a seismically active region (Southern California). As described in Response 4.7(a)(i) above, the closest known fault to the project site is the Newport-Inglewood Alt 2 Fault, located approximately 0.8 mile east of the site.

All development in the City is required to adhere to the California Building Standards Code (California Code of Regulations [CCR], Title 24), the Uniform Building Code (UBC), and the Huntington Beach Building and Construction Code. Additionally, the proposed project would be required to comply with HAZ-1 Policy A of the City's General Plan Natural and Environmental Hazards Element, which requires new and retrofitted structures to be sited and designed to reduce the risk of damage from geologic and seismic hazards. In addition, implementation of recommendations outlined in the project-specific Geotechnical Investigation (April 2022) as required in Standard Condition GEO-1 would reduce potential impacts from seismic ground shaking. With implementation of Standard Condition GEO-1, and compliance with the most current California Building Standards Code, the UBC, the Huntington Beach Building and Construction Code, and HAZ-1 Policy A, impacts associated with exposing people or structures to substantial adverse effects related to strong seismic ground shaking would be reduced to a less than significant level, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, Standard Condition GEO-1 shall be incorporated to ensure that the proposed project would not result in significant impacts related to strong seismic ground shaking.

**Standard Condition GEO-1** **Compliance with the Recommendation in the Project Geotechnical Investigation Report.** The Construction Contractor shall implement the recommendations of the *Geotechnical Investigation Report* prepared for the project and applicable sections of the most current California Building Standards Code, the Uniform Building Code (UBC), and the Huntington Beach Building and Construction Code. Prior to issuance of building permits for the project, the Project Soil Engineer shall review the building plans to verify that the structural design conforms to the requirements of the *Geotechnical Investigation*

*Report*, the UBC, and the Huntington Beach Building and Construction Code.

*iii) Seismic-related ground failure, including liquefaction?*

**Less Than Significant Impact.**

As described in Response 4.7(a)(i) above, the project site is not within a mapped, currently established Fault Rupture Study Area. Based on the depth of groundwater (exploratory borings first encountered groundwater at a depth of 46.2 feet), site subsurface conditions, and review of the Seismic Hazard Zone Report 020 and the 2017 City of Huntington Beach Geologic Hazards map, liquefaction potential and seismic settlement at the project site is low. As discussed in Response 4.7(a)(ii) above, the proposed project would be required to comply with current building codes to reduce potential impacts associated with seismic hazards. In addition, implementation of recommendations outlined in the Geotechnical Investigation (April 2022) as required by Standard Condition GEO-1 would reduce potential impacts to a less than significant level. As such, implementation of the proposed project would not expose people or structures to substantial adverse effects related to the risk of seismic-related failure or liquefaction, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

*iv) Landslides?*

**No Impact.**

Landslides are most common where slopes are steep, soils are weak, and groundwater is present. Seismically induced landslides and other slope failures are common occurrences during or soon after earthquakes in areas with significant ground slopes. The project site is relatively flat, with no slopes on site. As described in the Geotechnical Investigation (April 2022), a review of the Seismic Hazard Zone Report 020 and the 2017 City of Huntington Beach Geologic Hazards map indicates that the project site is not within a mapped, currently established zone of landslide occurrences or areas of significant grading. As stated previously, the proposed project would be required to comply with current building codes to reduce potential impacts associated with seismic hazards. As such, implementation of the proposed project would not expose people or structures to substantial adverse effects related to seismically induced landslides, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

Construction of the proposed project would require grading and other soil-disturbing construction activities. These construction activities may result in increased potential for soil erosion and siltation compared to existing conditions. Additionally, during a storm event, soil and siltation could occur at an accelerated rate. The proposed project would be required to comply with the

Construction General Permit, which requires preparation of a Storm Water Pollution Prevention Plan (SWPPP) (see Standard Condition WQ-1, in Section 4.10, Hydrology and Water Quality). The SWPPP would detail Erosion Control and Sediment Control Best Management Practices (BMPs) to be implemented during project construction to minimize erosion and retain sediment on site. With compliance with the requirements of the Construction General Permit and with implementation of the construction BMPs, construction impacts related to on-site erosion during construction would be less than significant, and no mitigation is required.

As discussed in Section 4.10, the proposed project would result in a decrease in impervious surface area on the project site by approximately 8,106 square feet when compared to existing conditions. Impervious surface areas associated with development of the project site would not be prone to erosion or siltation, because no loose soil would be included in these areas. Pervious portions of the site would be covered with proposed landscaping that would stabilize the soil and minimize on-site erosion or siltation. Therefore, on-site erosion impacts would be minimal. For these reasons, operational impacts related to substantial on-site erosion would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

c) *Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?*

**Less Than Significant Impact.**

Landslides and other forms of mass wasting, including mud flows, debris flows, and soil slips occur as soil moves downslope under the influence of gravity. Landslides are frequently triggered by intense rainfall or seismic shaking. Because the project site is located in a relatively flat area with no significant slopes nearby, landslides or other forms of natural slope instability do not represent a significant hazard to the project. In addition, as stated above, the site is not within a State-designated hazard zone for an earthquake-induced landslide. Therefore, potential impacts related to landslides would be less than significant, and no mitigation is required.

Lateral spreading often occurs on very gentle slopes or flat terrain. The dominant mode of movement is lateral extension accompanied by shear or tensile fracture. This failure is caused by liquefaction and is usually triggered by rapid ground motion, such as that experienced during an earthquake, but can also be artificially induced. When coherent material, either bedrock or soil, rests on materials that liquefy, the upper units may undergo fracturing and extension and may then subside, translate, rotate, disintegrate, or liquefy and flow. The Geotechnical Investigation (April 2022) indicates that lateral spreading is not anticipated at the project site. Therefore, potential impacts related to lateral spreading would be less than significant, and no mitigation is required.

Subsidence refers to broad-scale changes in the elevation of land. Common causes of land subsidence are pumping water, oil, and gas from underground reservoirs; dissolution of limestone aquifers (sinkholes); collapse of underground mines; drainage of organic soils; and initial wetting of dry soils (hydrocompaction). Subsidence, primarily due to groundwater pumping, is a concern in Huntington Beach; however, the rate of subsidence from pumping has declined significantly over the years. According to the City of Huntington Beach Local Hazard Mitigation Plan (2017), the maximum subsidence rate in the City is approximately 0.8 inches per year, with the highest levels near the coast. As stated in the Geotechnical Investigation (April 2022), the project site is

located in a zone where significantly lower subsidence levels, approximately -0.1 to -0.2 inches, of regional subsidence per year have been recorded. The groundwater level at the site is deeper than the proposed excavation; therefore, groundwater dewatering is not anticipated for the proposed project. Any regional effects of subsidence would be accounted for in the project design of the site, and the proposed project would not induce local ground subsidence. Therefore, the proposed project would not be subject to potential geotechnical hazards related to subsidence, and no mitigation is required.

As described in Response 4.7(a)(iii) above, based on the depth of groundwater and site subsurface conditions, liquefaction potential and seismic settlement at the project site is low. The proposed project would be required to comply with current building codes to reduce potential impacts associated with seismic hazards. In addition, implementation of recommendations outlined in the Geotechnical Investigation (April 2022) as specified in Standard Condition GEO-1 would reduce potential impacts to a less than significant level, and no mitigation is required.

**This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

As described in the Geotechnical Investigation (April 2022), expansion index testing of the near-surface material at the project site indicates that project site soils exhibit a "medium" expansion potential. Therefore, as recommended in the Geotechnical Investigation (April 2022), the site should be designed to promote positive drainage away from the pavements, and landscaping should consist of mainly drought-tolerant native planting that requires limited irrigation. Furthermore, confirmatory expansion index testing should be performed in a design-level final geotechnical investigation to confirm expansion potential of soils near the proposed foundation level. With implementation of the recommendations in the Geotechnical Investigation (April 2022) as specified in Standard Condition GEO-1 and compliance with current building codes, potential impacts related to expansive soils would be reduced to a less than significant level, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

The proposed project would not use septic tanks or alternative methods for disposal of wastewater into subsurface soils. Further, the entire City is currently served by an existing sewer system; as such, there is no need for septic tanks or other alternative wastewater systems. The proposed project would connect to existing public wastewater infrastructure. Therefore, the proposed project would not result in any impacts related to septic tanks or alternative wastewater disposal methods, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new**

**information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Potentially Significant Unless Mitigated.**

The project site is located within an urbanized area and the site has been fully developed, built, and paved. However, as described in the *Cultural Resources Research, Records Review & Structure Documentation* (July 2022), geologic mapping of the project site indicates Pleistocene sediments may be located at or near the surface. Additionally, Pleistocene sites nearby the project site have produced vertebrate and invertebrate fossils. Therefore, there is a high level of probability that near surface excavation of the project site would produce Pleistocene fossil materials, which would be considered to be significant paleontological resources. Potential project-related impacts to paleontological resources will be evaluated as part of the EIR. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

## 4.8 GREENHOUSE GAS EMISSIONS

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | X | | | |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | X | | | |

**Impact Analysis:**

*a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

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

The following response addresses Thresholds 4.8(a) and 4.8(b), as outlined above.

**Potentially Significant Impact.**

During construction of the proposed project, construction equipment and vehicles would generate greenhouse gas (GHG) emissions. In addition, the proposed project would use energy and generate vehicle trips during long-term operations, which would also contribute to the emissions of GHGs.

A technical study analyzing GHG emissions associated with both the short-term construction and long-term operational impacts of the proposed project will be prepared and summarized in the EIR. The proposed project's consistency with applicable plans, policies, and regulations related to reducing GHG emissions will also be addressed in the EIR. The EIR will identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

## 4.9 HAZARDS AND HAZARDOUS MATERIALS

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

The following section is based on the *Phase I Environmental Site Assessment Report* (Phase I ESA) (Terracon Consultants Inc., April 2, 2021) provided in Appendix B, Limited Site Investigation (Terracon Consultants Inc., June 2021) provided in Appendix C, and *Soil Management Plan* (Terracon Consultants Inc., January 2022) provided in Appendix D.

**Impact Analysis:**

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

**Less Than Significant Impact.**

Hazardous materials are chemicals that could potentially cause harm during an accidental release or mishap, and are defined as being toxic, corrosive, flammable, reactive, or an irritant or strong sensitizer. Hazardous substances include all chemicals regulated under the U.S. Department of Transportation's "hazardous materials" regulations and the U.S. Environmental Protection Agency's (USEPA) "hazardous waste" regulations. Hazardous wastes require special handling and disposal because of their potential to damage public health and the environment. The probable frequency and severity of consequences from the routine transport, use, or disposal of hazardous materials are affected by the type of substance, the quantity used or managed, and the nature of the activities and operations.

**Construction.** During demolition and construction activities for the proposed project, there is a possibility of generating small quantities of hazardous materials. The construction phase of the proposed project would include the transport, storage, and short-term use of petroleum-based fuels, lubricants, pesticides, and other similar materials. The amount of hazardous chemicals present during construction would be limited and would be in compliance with existing government regulations, including Huntington Beach Fire Department (HBFD) City Specification No. 431-92, which provides guidance in assessing site soils for the presence of chemical contaminants and informs decision-making in the event that contamination is identified; the Hazardous Materials Transportation Act; the Resource Conservation and Recovery Act; and the California Code of Regulations (CCR, Title 22).

Any associated risk would be adequately reduced to a level that is less than significant through compliance with these standards and regulations; thus, the limited use and storage of hazardous materials during construction of the proposed project would not pose a significant hazard to the public or the environment. Accordingly, the potential for the release of hazardous materials during project construction would be low and, even if a release were to occur, it would not result in a significant hazard to the public, surrounding land uses, or environment due to the small quantities of these materials associated with construction. No mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Operation.** Project operation would involve the use of potentially hazardous materials (e.g., solvents, cleaning agents, sanitizing solutions, paints, fertilizers, and pesticides) typical of residential/assisted living communities that, when used correctly and in compliance with existing laws and regulations, would not result in a significant hazard to people in the vicinity of the proposed project.

No manufacturing, industrial, or other uses utilizing large amounts of hazardous materials would occur with project implementation. Typical use of household hazardous materials (e.g., pesticides, fertilizer, solvents, cleaning products, and paints) would not generally result in the transport, disposal, or release of hazardous materials in an amount that would create a significant hazard to the public or the environment. Therefore, impacts associated with the disposal of hazardous materials and/or the potential release of hazardous materials that could occur with the

implementation of the proposed project are considered less than significant. No mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

b) *Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?*

**Less Than Significant Impact.**

A Phase I ESA (2021) was prepared for the proposed project. The purpose of the Phase I analysis was to evaluate the project site for potential Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs), and Historical Recognized Environmental Conditions (HRECs) that may be present, off-site conditions that may impact the project site, and/or conditions indicative of releases or threatened releases of substances on, at, in, or to the project site.

A REC can be defined as the presence or likely presence of any hazardous substances or petroleum products in or at a property due to a release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. A HREC can be defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. A CREC can be defined as an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. Two RECs and one CREC were identified in connection with the project site.

A former service station, Chevron Texaco, was located on the northeast portion of the project site from as early as 1963 through 1978. According to the State Water Resources Control Board (SWRCB) GeoTracker database, the project site is located on a Leaking Underground Storage Tank (LUST) Cleanup site.[3] However, the status of the cleanup site is classified as "Completed - Case Closed as of March 16, 2004". Initial subsurface assessments from the Case Closure Summary reported a fuel release that impacted the site soil and groundwater. Depth to groundwater was reported to range from 40 to 47 feet below ground surface (bgs) and flowing to the south and southeast. The maximum documented contaminant concentrations remaining in groundwater included TPHg (2,300 micrograms per liter (µg/L)), TPHd (510 µg/L), benzene (89 µg/L), toluene (350 µg/L), ethylbenzene (82 µg/L), xylenes (360 µg/L) and tertiary butyl alcohol (TBA; 27 µg/L). When compared to the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) – Tier 1 ESLs, dated 2019 (Rev.2), as part of the Phase I ESA, the concentrations remaining in-place exceeded the ESLs for the abovementioned constituents.

Based on the exceedances in the soil and groundwater above the applicable current screening levels and the regulatory closed LUST status and reported site management requirements by the Orange County Health Care Agency (OCHCA), the former service station represents a CREC at the site. Subsurface investigation and groundwater monitoring activities at the site were completed to the

[3] State Water Resources Control Board (SWRCB). GeoTracker database. Website: https://geotracker.waterboards.ca.gov/map/ (accessed September July 27, 2022).

satisfaction of the OCHCA, and no further action was required for the site for commercial land use. However, soil vapor beneath the site was not reported to be evaluated for the possible presence of volatile organic compounds (VOCs). Although OCHCA stated that vapor intrusion into the existing building in 2004 does not appear to represent a concern, the vapor intrusion and permissible indoor air VOC screening levels have become significantly more stringent for commercial and residential land uses. As such, and despite the OCHCA closure for the former Chevron Texaco service station on the northeastern portion of the site, the likely presence of residual VOCs in soil vapor is considered a REC.

A former drycleaner, Lewis Cleaners, was located approximately 120 feet north of the project site and operated from as early as 1982 through 2007 and was previously permitted as a small quantity generator of hazardous waste in 1991. Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, the facility's duration of operations (~25 years), and the operations identified to utilize PCE as a dry cleaning solvent, the former Lewis Cleaners facility represents a REC to the site.

Due to the two RECs and one CREC identified in connection with the site, recommendations were made in the Phase I ESA (2021) for additional investigation and testing, and coordination with OCHCA. Based on the findings of the Phase I ESA, Terracon conducted a Limited Site Investigation in June 2021. Laboratory analytical results for the soil samples collected from borings indicated that TPH and VOC concentrations were not detected above their respective laboratory reporting limits, with the exception of a concentration of TPH as oil range organics (TPH-ORO) (22 mg/kg). Laboratory analytical results for soil gas samples collected from vapor probes indicated that PCE, benzene, and chloroform were detected at concentrations above their respective ESL established by the San Francisco Bay RWQCB. Terracon concluded that the overall distribution of VOCs in soil gas beneath the site suggests that the PCE may be originating from an off-site source located north of the property.

Construction of the subterranean parking garage will require the excavation of 12-13 feet of soil below the proposed building footprint. As recommended in the Phase I ESA, a Soil Management Plan (Terracon, revised January 2022) was prepared for the proposed project to provide information concerning environmental site conditions and Best Management Practices (BMPs) associated with impacted soil that may be encountered during excavation activities associated with the proposed project. The Soil Management Plan includes procedures for the appropriate handling and disposal of impacted material during project excavation as well as construction worker education and safety. As recommended in the Phase I ESA, the Orange County Health Care Agency (OCHCA) was informed of the proposed site development and proposed change in land use for the site (personal communication with Geniece Higgins, OCHCA, dated December 10, 2021). The OCHCA reviewed the proposed project's Soil Management Plan and confirmed that no further action is required for development of the site other than implementation of the Soil Management Plan. Therefore, implementation of the Soil Management Plan during construction of the proposed project as specified in Standard Condition HAZ-1 would reduce potential impacts associated with known hazardous environmental conditions at the site to less than significant levels. Additionally, as recommended in the Phase I ESA, an asbestos and lead-based paint survey shall be conducted prior to disturbance of suspected asbestos-containing materials (ACM) and lead-based paint (LBP) during building demolition as specified in Standard Condition HAZ-2. With implementation of Standard Conditions HAZ-1 and HAZ-2, potential impacts involving the release of hazardous materials into the environment would be less than significant. No mitigation

is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Conditions:** No mitigation is required. However, the following Standard Conditions shall be incorporated to reduce potential impacts involving the release of hazardous materials into the environment.

**Standard Condition HAZ-1** **Soil Management Plan.** The Construction Contractor shall implement the *Soil Management Plan* prepared for the project during excavation and soil-disturbing activities. The handling of any impacted material observed during site grading and excavation shall be handled in accordance with the guidelines provided in the *Soil Management Plan* and in accordance with all applicable transportation and disposal regulations.

**Standard Condition HAZ-**2 **Asbestos and Lead-Based Paint Survey.** Prior to initiation of construction activities on the project site a thorough asbestos and lead-based paint survey of the two existing buildings on site shall be conducted by a qualified professional. If asbestos and/or lead-based paint are detected during the survey, abatement and removal procedures in accordance with local and state regulations shall be followed during demolition of the buildings.

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

**No Impact.**

The nearest school to the project site is Harbour View Elementary School, which is located approximately 0.6 mile northwest of the project site. As previously stated, the proposed project would not result in a significant hazard affecting the public during project construction or operation. Furthermore, operation of the proposed project would not result in significant impacts associated with hazardous materials because all materials would be handled, stored, and disposed of in accordance with applicable standards and regulations. Therefore, because the proposed project does not involve activities that would result in the emissions of hazardous materials or acutely hazardous substances, and because the closest school is greater than 0.25 mile away from the project site, impacts would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

d) *Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?*

**Less Than Significant Impact.**

According to the California Department of Toxic Substances Control (DTSC) EnviroStor database, the project site is not located on a federal superfund site, State response site, voluntary

cleanup site, school cleanup site, corrective action site, or tiered permit site.[4] In addition, no active sites are located within 3,000 feet of the project site. As described in Response 4.9(b) above, according to the SWRCB GeoTracker database, the project site is located on a LUST Cleanup Site.[5] However, the status of the cleanup site is classified as "Completed - Case Closed as of March 16, 2004". The nearest active LUST Cleanup Site is approximately 2,550 feet northwest of the project site. The project site is not located on a list of solid waste disposal sites identified by the SWRCB with waste constituents above hazardous waste levels outside the waste management unit[6] or active cease and desist orders and cleanup and abatement orders.[7]

All use, storage, transport, and disposal of hazardous materials (including any small amounts of hazardous wastes) during construction and operational activities will be performed in accordance with existing local, State, and federal hazardous materials regulations. Because the project site is not listed on the DTSC Hazardous Waste and Substances Site List (Cortese List, compiled pursuant to Section 65962.5 of the Government Code), impacts related to this topic are considered less than significant. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

e) *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?*

**No Impact.**

The proposed project is not within an airport land use plan and is not within 2 miles of a public airport or public use airport. The project site is approximately 8 miles southeast of Long Beach Airport, which is the nearest airport to the project site. Therefore, the proposed project would not result in safety hazards for people living or working in the area different than would occur under existing conditions. No impacts would occur, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

f) *Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? (Sources: General Plan Natural and Environmental Hazards Element)*

**Less Than Significant Impact.**

The City's General Plan Natural and Environmental Hazards Element (2017) outlines goals and policies aimed at adequately preparing for future emergency situations, particularly in the context of changing environmental conditions, and planning in a way that reduces potential hazards as much as possible. Emergency events addressed in the Natural and Environmental Hazards Element

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4 California Department of Toxic Substances Control (DTSC). EnviroStor Database. Website: https://www.envirostor.dtsc.ca.gov/public/map/?global_id=19970011 (accessed July 27, 2022).

5 State Water Resources Control Board (SWRCB). GeoTracker database. Website: https://geotracker.waterboards.ca.gov/map/ (accessed September July 27, 2022).

6 California Environmental Protection Agency (CalEPA). Sites Identified with Waste Constituents above Hazardous Waste Levels Outside the Waste Management Unit. Website: https://calepa.ca.gov/wp-content/uploads/sites/6/2016/10/SiteCleanup-CorteseList-CurrentList.pdf (accessed September 29, 2021).

7 CalEPA. Cortese List Data Resources. Website: https://calepa.ca.gov/sitecleanup/corteselist/section-65962-5a/ (accessed July 27, 2022).

include seismically induced conditions, slope stability/landslides, subsidence, liquefaction, and geologic hazards, flooding, wildland and urban fires, emergency evacuation, coastal hazards, hazardous materials and waste, aircraft hazards, and emergency preparedness. While the Natural and Environmental Hazards Element makes recommendations for emergency evacuation and access, it only designates official evacuation routes in the event of tsunami. In the event of tsunami, Bolsa Chica Street is one of 12 designated emergency evacuation routes for the northern portions of the City located in a tsunami risk zone.

The proposed project does not include any characteristics (e.g., permanent road closures or long-term blocking of road access) that would physically impair or otherwise conflict with an emergency response plan or emergency evacuation plan. During short-term construction activities, the proposed project is not anticipated to result in any substantial traffic queuing on nearby streets, and all construction equipment would be staged within the project site. Therefore, project construction impacts related to emergency response and evacuation plans would be less than significant.

The proposed project does not include any changes to public or private roadways that would physically impair or otherwise conflict with an emergency response plan or emergency evacuation plan. Further, the proposed project would not obstruct or alter any transportation routes that could be used as evacuation routes during emergency events, including Bolsa Chica Street. In addition, during the operational phase of the proposed project, on-site access would be required to comply with standards established by the City and the HBFD. The size and location of fire suppression facilities (e.g., hydrants) and fire access routes would be required to conform to City and HBFD standards. The proposed project would provide adequate emergency access (including fire access) to the site via a right-in/right-out access driveway on Warner Avenue. Additionally, a fire access road would be provided on the south side of the project site, with full-access provided from Bolsa Chica Street. Further, access to and from the project site for emergency vehicles would be reviewed and approved by HBFD and the City as part of the project approval process to ensure the proposed project is compliant with all applicable codes and ordinances for emergency vehicle access. Therefore, operation of the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Operational project impacts would be less than significant. Therefore, impacts related to interference with an emergency response plan are considered less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

**No Impact.**

The project site is located within a highly urbanized area. Surrounding land uses include a mix of commercial, industrial, and residential uses. The project site is not adjacent to any wildland areas. According to the California Department of Forestry and Fire Protection (CAL FIRE), the project site is not within an area identified as a Very High Fire Hazard Severity Zone (VHFHSZ). According to the City's General Plan Natural and Environmental Hazards Element, the City does not face wildfire risk due to its position in an urbanized and built-out region. As a result, the proposed project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires. No mitigation would be required. **This topic**

**will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

## 4.10 HYDROLOGY AND WATER QUALITY

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

The following section is based on the following technical reports: *Preliminary Geotechnical Site Evaluation Bolsa Chica Senior Community* (Geotechnical Investigation) (Langan, April 2022) which is provided in Appendix A; the *Preliminary Hydrology Study* (Hydrology Study) (KHR Associates, revised September 2022) which is provided in Appendix E; and the *Preliminary Water Quality Management Plan* (WQMP) (Preliminary WQMP) (KHR Associates, 2021, revised April 2022) which is provided in Appendix F.

**Impact Analysis:**

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

**Less Than Significant Impact.**

The proposed project involves the construction of a five-story senior living community and associated subterranean parking garage on the project site. Pollutants of concern during construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. Each of these pollutants on its own or in combination with other pollutants can have a detrimental effect on water quality. During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. In addition, chemical liquid products, petroleum products (e.g., paints, solvents, and fuels), and concrete-related waste may be spilled or leaked and have the potential to be transported via stormwater runoff into receiving waters (i.e., the municipal storm drain system which discharges into Huntington Harbour and Anaheim Bay and ultimately the Pacific Ocean). During construction, the disturbed soil area would be approximately 2.8 acres. Because construction of the proposed project would disturb greater than 1 acre of soil, the project is subject to the requirements of the SWRCB's National Pollutant Discharge Elimination System (NPDES) permit *Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities* (Order No. 2009-0009-DWQ, NPDES No. CAS000002, as amended by Orders No. 2010-0014-DWQ and 2012-0006-DWQ) (Construction General Permit). As specified in Standard Condition WQ-1 and detailed below, a Storm Water Pollution Prevention Plan (SWPPP) would be prepared and construction Best Management Practices (BMPs) implemented during construction activities, as required by the Construction General Permit. In addition, as specified in Standard Condition WQ-2, below, Section 17.05.310-330 of the City's Municipal Code requires that an Erosion Control Plan be prepared annually during construction and submitted to the City for approval prior to September 15 of each year. The SWPPP and Erosion and Sediment Control Plan would detail the BMPs to be implemented during construction. Construction BMPs would include, but not be limited to, Erosion Control and Sediment Control BMPs designed to minimize the erosion and retain sediment on site, and Good Housekeeping BMPs to prevent spills, leaks, and discharge of construction debris and waste into receiving waters. Compliance with the requirements of the Construction General Permit and City Municipal Code, including incorporation of construction BMPs to target and reduce pollutants of concern in stormwater runoff, would reduce pollutant discharge to receiving waters.

According to the Geotechnical Investigation (Langan, April 2022) prepared for the proposed project, groundwater was first encountered at a depth of 46.2 feet during investigation borings, and there is no evidence of a near surface groundwater table on the project site. Furthermore, the Seismic Hazard Zone Report 020 indicates that the site's historically highest groundwater is approximately 30 feet below existing grade. Based on the maximum depth of excavation for the project of 13 feet below ground surface (bgs), it is not anticipated that the groundwater table would be encountered, and groundwater dewatering is not anticipated for the proposed project. As described in the proposed project's Geotechnical Investigation, the project site is underlain by fill underlain by alluvial deposits consisting of medium dense to dense fine sands with silt and clay extending to approximately 25 feet bgs, and firm to very stiff clay extending to approximately 35 feet bgs. Due to the depth of groundwater and the types of soils on site, it is not expected that any stormwater that may infiltrate during construction would affect groundwater quality because there is not a direct path for pollutants to reach the groundwater table. Furthermore, construction of the

proposed project would be temporary and therefore, any stormwater that may infiltrate during construction would be short term and would not substantially degrade groundwater quality.

Potential pollutants of concern from long-term operations of residential developments include suspended solids/sediments, nutrients, pathogens (bacteria/virus), pesticides, oil and grease, trash and debris, and dry weather runoff. The proposed project would comply with the requirements of the Santa Ana RWQCB's NPDES Permit Waste Discharge Requirements for the County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County within the Santa Ana Region Areawide Urban Storm Water Runoff Orange County (Order No. R8-2009-0030, NPDES No. CAS618030, as amended by Order No. R8-2010-0062) (North Orange County MS4 Permit). The North Orange County MS4 Permit requires that a Water Quality Management Plan (WQMP) be prepared for new development and significant redevelopment projects. WQMPs specify the Site Design, Low Impact Development (LID), Source Control, and/or Treatment Control BMPs that would be implemented to capture, treat, and reduce pollutants of concern in stormwater runoff. The proposed project is classified as a significant redevelopment project because it would result in the addition or replacement of 5,000 square feet or more of impervious surface on a developed site; therefore, the proposed project must comply with the requirements of the North Orange County MS4 Permit, including the requirement for preparation of a WQMP and implementation of operational BMPs. A Preliminary WQMP (2022) has been prepared for the proposed project. As specified in Standard Condition WQ-3, below, the Preliminary WQMP will be refined and finalized during final design based on the final site plan.

According to the Preliminary WQMP (2022), proposed non-structural source control BMPs include:

- Education for property owners, tenants, and occupants
- Activity restrictions
- Common area landscape management
- BMP maintenance
- Common area litter control
- Employee training
- Housekeeping of loading docks
- Common area catch basin inspection
- Street sweeping private streets and parking lots

Proposed structural source control BMPs include:

- Provide storm drain system stenciling and signage
- Design and construct trash and waste storage areas to reduce pollution introduction
- Use efficient irrigation systems and landscape design, water conservation, smart controllers, and source control

The project site is listed on the SWRCB's GeoTracker database as a LUST Cleanup Site due to a Chevron Texaco Station that was historically located on the northeast corner of the site (4972 Warner Avenue) and, therefore, stormwater infiltration at the site would be precluded during operation of the proposed project. The proposed project includes proprietary biotreatment and

modular wetland BMPs that would be designed to capture all stormwater runoff from pervious and impervious surfaces on the project site and treat it before discharging it to the storm drain system. Stormwater collected in the proposed walkways and courtyards would drain to adjacent landscaping whenever possible. Stormwater would be collected either through roof drains or inlets and directed to either biofiltration planters or modular wetland systems for treatment. These treatment facilities function as soil and plant-based soil filtration devices that remove pollutants through a variety of physical, biological, and chemical treatment processes. As stormwater passes down through the planting soil, pollutants are filtered, adsorbed, biodegraded, and sequestered by the soil and plants, and collected by an underdrain. From the treatment system, flows would be directed via the on-site storm drain system to the back of an existing catch basin adjacent to the site in Bolsa Chica Street and/or Warner Avenue. The storm drain lateral from these catch basins connects to an MS4 within Bolsa Chica Street. When combined, the non-structural source control, structural source control, and biotreatment BMPs would target and reduce pollutants of concern in stormwater runoff from the project site.

With implementation of Standard Conditions WQ-1, WQ-2, and WQ-3, which require compliance with City and NPDES regulations and implementation of construction and post-construction BMPs, construction and operational impacts related to waste discharge requirements, water quality standards, and degradation of surface or groundwater quality would be less than significant, and no mitigation is required.

**This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Conditions:** No mitigation is required. However, the following Standard Conditions are based on local, State, and federal regulations or laws that serve to reduce impacts related to hydrology and water quality. These Standard Conditions are applicable to the proposed project and shall be incorporated to ensure that the project has minimal impacts to receiving waters.

**Standard Condition (SC) WQ-1** **Construction General Permit.** Prior to issuance of a grading permit, the project Applicant shall obtain coverage under the State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, National Pollutant Discharge Elimination System No. CAS000002, as amended by Orders No. 2010-0014-DWQ and 2012-0006-DWQ) (Construction General Permit). This shall include submission of Permit Registration Documents (PRDs), including a Notice of Intent for coverage under the permit to the State Water Resources Control Board (SWRCB) via the Stormwater Multiple Application and Report Tracking System (SMARTs). The project Applicant shall provide the Waste Discharge Identification Number (WDID) to the Director of the City of Huntington Beach (City) Public Works Department, or designee, to demonstrate proof of coverage under the Construction General Permit. Project construction shall not be initiated until a WDID is received from the SWRCB and is provided to the Director of the City's Public

Works Department, or designee. A Stormwater Pollution Prevention Plan (SWPPP) shall be prepared and implemented for the proposed project in compliance with the requirements of the Construction General Permit. The SWPPP shall identify construction best management practices (BMPs) to be implemented to ensure that the potential for soil erosion and sedimentation is minimized and to control the discharge of pollutants in stormwater runoff as a result of construction activities. Upon completion of construction and stabilization of the site, a Notice of Termination shall be submitted via SMARTs.

**Standard Condition WQ-2** **Erosion and Sediment Control Plan.** In compliance with the requirements of Title 17 Buildings and Construction, Chapter 17.05 Grading and Excavation Code, subsection 17.05.320 Erosion Control Plans of Huntington Beach Municipal Code, the project Applicant shall submit a grading plan and erosion control plan to the Director of the City Public Works Department, or designee, for review and approval prior to issuance of a grading permit. The project Applicant shall also submit erosion and sediment control plans annually to the Director of the City Public Works Department, or designee, for review and approval by September 15th of each year during construction.

**Standard Condition WQ-3** **Water Quality Management Plan.** Prior to the issuance of grading or building permits, the project Applicant shall submit a Final Water Quality Management Plan (WQMP) to the City Engineer, or designee, for review and approval in compliance with the requirements of the Waste Discharge Requirements for the County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County within the Santa Ana Region Areawide Urban Storm Water Runoff Orange County (Order No. R8-2009-0030, NPDES No. CAS618030, as amended by Order No. R8-2010-0062) (North Orange County MS4 Permit). The Final WQMP shall be prepared consistent with the requirements of the *Technical Guidance Document for Water Quality Management Plans* (December 2013) and the Water Quality Management Plan template, or subsequent guidance manuals. The Final WQMP shall specify the BMPs to be incorporated into the project design to target pollutants of concern in runoff from the project area. The City shall ensure that the BMPs specified in the Final WQMP are incorporated into the final project design.

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

**Less Than Significant Impact.**

As discussed in Response 4.10(a), groundwater was not encountered up to a depth of 46.2 feet bgs during geotechnical borings on the project site. Therefore, due to the depth to the groundwater table and the depth of excavation, dewatering of the groundwater table would not be required. Therefore, construction impacts related to the depletion of groundwater supplies or interference with groundwater recharge would be less than significant, and no mitigation would be required.

Currently, the project site is developed with commercial uses and consists of approximately 92 percent impervious surfaces restricting the ability for groundwater infiltration. Although development of the proposed project would decrease impervious surface area on the project site by approximately 8,106 square feet, because the project site is listed as a LUST Cleanup Site, stormwater infiltration would be precluded at the site. All stormwater on the project site would be collected and treated prior to discharge into the storm drain system. Due to the depth of groundwater, soil types on the project site, and existing impervious surface area, development of the proposed project is not anticipated to result in a significant interference with groundwater recharge when compared to existing conditions. Furthermore, project operation would not include groundwater extraction. For these reasons, a less than significant impact related to the depletion of groundwater supplies or interference with groundwater recharge during project operation would occur, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

i) *Result in substantial erosion or siltation on or off-site?*

**Less Than Significant Impact.**

During construction activities, soil would be exposed and disturbed, drainage patterns would be temporarily altered during grading and other construction activities, and there would be an increased potential for soil erosion and siltation compared to existing conditions. Additionally, during a storm event, soil erosion and siltation could occur at an accelerated rate. As discussed above in Response 4.10(a) and as specified in Standard Condition WQ-1, the Construction General Permit requires preparation of a SWPPP to identify construction BMPs to be implemented as part of the proposed project to reduce impacts to water quality during construction, including those impacts associated with soil erosion and siltation. In addition, as also specified in Standard Condition WQ-2, Section 17.05.310-330 of the City's Municipal Code requires that an Erosion Control Plan be prepared annually during construction. The SWPPP and Erosion and Sediment Control Plan would detail the BMPs to be implemented during construction. With compliance with the Construction General Permit as indicated in Standard Condition WQ-1 and with implementation of an Erosion Control Plan, as specified in Standard Condition WQ-2, construction impacts related to on- or off-site erosion or siltation would be less than significant, and no mitigation is required.

The proposed stormwater drainage system would generally conform to the existing on-site drainage pattern. As stated previously, development of the proposed project would decrease impervious surface area on the project site by approximately 7 percent. Impervious surface areas associated with development of the project site would not be prone to erosion or

siltation, because no loose soil would be included in these areas. Pervious portions of the site would be covered with proposed landscaping which would stabilize the soil and minimize on-site erosion or siltation. As discussed in Response 4.10(a) above, all stormwater runoff on the project site would be collected and treated via biofiltration planters and modular wetlands before discharging flows into the storm drain system.

Significant redevelopment projects are subject to specific hydromodification[8] requirements of the North Orange County MS4 Permit and must implement measures for site design, source control, runoff reduction, stormwater treatment, and baseline hydromodification management. However, according to the Preliminary WQMP (2022), the project site is not located in an area of hydrologic condition of concern (HCOC)[9] and is exempt from hydromodification requirement. Specifically, according to the Orange County Susceptibility Analysis map for Anaheim Bay-Huntington Harbour, the project site is not located within a potential area of erosion, habitat, and physical structure susceptibility because downstream receiving waters are stabilized channels. Because the downstream receiving waters are not susceptible to hydromodification, the proposed project does not have a potential to result in downstream erosion or siltation. With implementation of Standard Conditions WQ-1 and WQ-2, impacts related to the alteration of the existing drainage pattern in a manner that would result in substantial erosion or siltation would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

Construction activities would alter the on-site drainage pattern, potentially compacting on-site soils and temporarily increasing the potential for flooding compared to existing conditions. As discussed in Response 4.10(a) above, the Construction General Permit requires preparation of a SWPPP to identify construction BMPs to be implemented as part of the proposed project, as specified in Standard Condition WQ-1. The SWPPP would include construction BMPs to control and direct on-site surface runoff to ensure that stormwater runoff from the construction site does not exceed the capacity of the stormwater drainage systems. In addition, as also specified in Standard Condition WQ-2, an Erosion Control Plan would be prepared, which would detail the BMPs to be implemented during construction. Proper management of stormwater during construction would reduce impacts associated with on and off-site flooding.

Development of the proposed project would decrease impervious surface area on the project site by approximately 7 percent and increase previous surface area by 7 percent. The proposed project would include the construction of on-site storm drain facilities and BMPs, including biofiltration planters and modular wetlands which would be designed to treat stormwater runoff on the project site before discharging flows to the storm drain system. As concluded in the Preliminary Hydrology Study, the proposed project condition would have

[8] Hydromodification is defined as hydrologic changes resulting from increased runoff from increases in impervious surfaces. Hydromodification impacts can included changes in downstream erosion and sedimentation.

[9] Areas designated as hydrologic conditions of concern are watersheds of unarmored or soft-armored drainages that are vulnerable to geomorphology changes due to hydromodification.

a lower peak on-site flow rate of 9.26 cubic feet per second (cfs) when compared to the pre-project/existing condition peak on-site flow rate of 9.52 cfs due to the increase in pervious surface area. Furthermore, the proposed project condition peak on-site flow rate for both 25-year and 100-year storms would be lower when compared to the pre-project/existing conditions for those storm years. This reduction in on-site flow rate would improve the existing storm drain system as it flows downstream along Bolsa Chica Street.

Additionally, as specified in Standard Condition WQ-4, a Final Hydrology Study would be prepared based on final project plans and would be approved by the City. The Final Hydrology Study would confirm that the project drainage facilities comply with all applicable City code requirements and ensure that sufficient capacity in the downstream storm drain systems is available to accommodate storm runoff from the project site so that off-site flooding does not occur. The proposed on-site drainage facilities and BMPs needed to accommodate stormwater runoff would also be appropriately sized so that on-site flooding would not occur. With implementation of BMPs and Standard Conditions WQ-1, WQ-2, and WQ-4 (below), impacts related to on- or off-site flooding from an increase in surface runoff would be less than significant, and no mitigation is required.

**This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, previously detailed Standard Conditions WQ-1 and WQ-2, and WQ-4 as shown below would be implemented to reduce impacts related to flooding from an increase in surface runoff.

**Standard Condition WQ-4** **Final Hydrology Study.** The project Applicant shall submit a Final Hydrology Study to the City Engineer, or his/her designee, for review and approval prior to issuance of a building permit. The Final Hydrology Study shall be prepared consistent with the requirements of the *Orange County Hydrology Manual* (Orange County Environment Agency 1986) and *Orange County Hydrology Manual Addendum No. 1* (Orange County Environment Agency 1996), or subsequent guidance manuals. The Final Hydrology Study shall demonstrate that the on-site drainage facilities are designed and adequately sized to accommodate stormwater runoff from the project. The City Engineer, or designee, shall ensure that the drainage facilities specified in the Final Hydrology Study are incorporated into the final project design.

*iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?*

**Less Than Significant Impact.**

As discussed in Response 4.10(a) and specified above in Standard Conditions WQ-1 and WQ-3, the proposed project would include implementation of construction BMPs and would include implementation of operational BMPs to treat stormwater runoff.

Implementation of BMPs would ensure that the proposed project would not provide substantial additional sources of polluted runoff to the storm drain system.

As discussed in Response 4.10(c)(ii), development of the proposed project would decrease impervious surface area on the project site by approximately 8,106 square feet compared to existing conditions. However, as stated in the Preliminary Hydrology Study, the proposed condition would have a higher peak on-site flow rate compared to the pre-project condition peak on-site flow rate for both the 25-year and 100-year 24-hour storm duration. The proposed project would include the construction of on-site storm drain facilities, including biofiltration planters and modular wetlands, to collect stormwater runoff and treat it before discharging it to the existing MS4 storm drain system. As stated in the Preliminary Hydrology Study, the increase in flow would not significantly impact the existing storm drain system downstream. As specified in Standard Condition WQ-4 above, the proposed on-site storm drain facilities would be appropriately sized to reduce stormwater runoff discharged from the project site so that runoff water would not exceed the capacity of existing or planned stormwater drainage systems.

Therefore, with implementation of Standard Conditions WQ-1, WQ-3, and WQ-4 impacts related to the creation or contribution of runoff water that would provide substantial additional sources of polluted runoff or that would exceed the capacity of existing or planned stormwater drainage systems would be less than significant, and no mitigation is required.

**This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

*iv) Impede or redirect flood flows?*

**No Impact.**

The project site is not located within a Federal Emergency Management Agency (FEMA) designated 100-year floodplain. According to the FEMA Flood Insurance Rate Maps (FIRMs), the project site is within Zone X, which is considered an Area of Minimal Flood Hazard. Additionally, the City's Local Hazard Mitigation Plan (2017) indicates that the project site is outside the flood zone. Because the proposed project would not place improvements and structures directly within a 100-year floodplain, the proposed project would not impede or redirect flood flows. Therefore, no impact would occur related to impeding or redirecting of flood flows, and no mitigation is required. **Therefore, this topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

**No Impact.**

As discussed in Response 4.10(c)(iv), the proposed project is not located within a 100-year flood hazard area and would not place structures within a 100-year floodplain. In addition, the project

site is not within a dam inundation area.[10] Therefore, the project site is not subject to inundation from flooding during a storm event or from dam failure.

According to the Department of Conservation (DOC) tsunami hazard map for Orange County, the project site is not inside a tsunami hazard area.[11] Additionally, there are no large lakes, reservoirs, or other water retention facilities in the vicinity of the project site. Therefore, the project site is not at risk of inundation from seiche. In the event of a tsunami, the City has established response procedures as described in the City's adopted Local Hazard Mitigation Plan (2017). Because the project site is not subject to inundation from a storm event, dam failure, tsunami, or seiche waves, there is no risk of release of pollutants due to inundation, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

e) *Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?*

**Less Than Significant Impact.**

The proposed project is within the jurisdiction of the Santa Ana RWQCB. The Santa Ana RWQCB adopted a Water Quality Control Plan (i.e., Basin Plan) (January 1995, with amendments effective on or before June 2019), which designates beneficial uses for all surface and groundwater within its jurisdiction and establishes the water quality objectives and standards necessary to protect those beneficial uses. As summarized below, the proposed project would comply with the applicable NPDES permits and would implement construction and operational BMPs to reduce pollutants of concern in stormwater runoff.

As discussed in Response 4.10(a), during construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and sedimentation compared to existing conditions. In addition, chemicals, liquid products, petroleum products (e.g., paints, solvents, and fuels), and concrete-related waste may be spilled or leaked and have the potential to be transported via stormwater runoff into receiving waters. As specified in Standard Condition WQ-1 above, the proposed project would be required to comply with the requirements set forth by the Construction General Permit, which requires preparation of a SWPPP and implementation of construction BMPs to control stormwater runoff and discharge of pollutants. Additionally, as also previously specified in Standard Condition WQ-2, an Erosion Control Plan would be prepared annually during construction. The SWPPP and Erosion and Sediment Control Plan would detail the BMPs to be implemented during construction.

As discussed in Response 4.10(a), the primary pollutants of concern during project operations are suspended solids/sediments, nutrients, pathogens (bacteria/virus), pesticides, oil and grease, trash and debris, and dry weather runoff. As discussed in Standard Condition WQ-3, a Final WQMP would be prepared for the proposed project in compliance with the North Orange County MS4 Permit. The Final WQMP will detail the Site Design, LID, Source Control, and/or Treatment Control BMPs that would be implemented to treat stormwater runoff and reduce impacts to water

[10] City of Huntington Beach. 2017. Local Hazard Mitigation Plan, Figure 2: Dam Inundation Hazard Zone.

[11] California Department of Conservation (DOC). Orange County Tsunami Hazard Area. Website: https://www.conservation.ca.gov/cgs/tsunami/maps/orange (accessed July 2022).

quality during operation. The proposed BMPs would capture and treat stormwater runoff and reduce pollutants of concern in stormwater runoff.

The proposed project would comply with the applicable NPDES permits, which requires preparation of a SWPPP, specifies regulations for groundwater dewatering, requires preparation of a Final WQMP, and includes implementation of construction and operational BMPs to reduce pollutants of concern in stormwater runoff. As such, the proposed project would not result in water quality impacts that would conflict with the Santa Ana RWQCB's Basin Plan. Impacts related to a conflict with a water quality control plan would be less than significant, and no mitigation is required.

The Sustainable Groundwater Management Act (SGMA) was enacted in September 2014. SGMA requires governments and water agencies of high- and medium-priority basins to halt overdraft of groundwater basins. Specifically, SGMA requires the formation of local Groundwater Sustainability Agencies (GSAs), which are required to adopt Groundwater Sustainability Plans (GSPs), or an approved alternative to a GSP, to manage the sustainability of groundwater basins in California. The project site is located within the Coastal Plain of Orange County Groundwater Basin, which is managed by the Orange County Water District. The Coastal Plain is identified by the Department of Water Resources as a medium-priority basin;[12] therefore, development of a GSP or an approved GSP alternative is required. In lieu of a GSP, Orange County Water District, Irvine Ranch Water District, and the City of La Habra developed the Basin 8-1 Alternative, which establishes objectives and criteria for groundwater management and is designed to be functionally equivalent to a GSP.[13]

The proposed project would not conflict with or obstruct the implementation of the Basin 8-1 Alternative. As discussed in Response 4.10(a), no groundwater dewatering would be required during construction of the proposed project. Due to the depth to groundwater and soil types on the project site, it is not expected that any stormwater that may infiltrate during construction would affect groundwater quality because there is not a direct path for pollutants to reach the groundwater table. In addition, the proposed project would be required to implement operational BMPs to treat stormwater before it could reach groundwater.

Lastly, although the proposed project would result in a decrease in impervious surface area when compared to existing conditions, stormwater infiltration would be precluded during operation of the proposed project because the project site is listed as a LUST Cleanup Site. Because the project site is currently developed with commercial uses and consists of approximately 92 percent impervious surfaces, it is unlikely that groundwater recharge from stormwater infiltration currently occurs on the project site. Any decrease in infiltration would be minimal in comparison to the size of the Coastal Plain of Orange County Groundwater Basin. Therefore, the proposed project does not have the potential to impact groundwater quality, interfere with groundwater recharge, or decrease groundwater supplies. For the reasons outlined above and with implementation of Standard Conditions WQ-1, WQ-2, and WQ-3 a less than significant impact would occur related to a conflict with or obstruction in the implementation of water quality control plans or sustainable groundwater management plans, and no mitigation is required. **This topic will not be analyzed**

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[12] California Department of Water Resources (DWR). 2016. SGMA Basin Prioritization Dashboard, Groundwater Basins 2016. Website: https://gis.water.ca.gov/app/bp-dashboard/p2/ (accessed July 26, 2022).

[13] Orange County Water District. 2022 Update. *Basin 8-1 Alternative*. January 1, 2022.

**further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

## 4.11 LAND USE AND PLANNING

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Physically divide an established community? | | | | X |
| b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | X | | | |

**Impacts Analysis:**

a) *Would the project physically divide an established community?*

**No Impact.**

The project site is directly bordered by Warner Avenue to the north and Bolsa Chica Street to the east. Surrounding land uses include a mix of commercial, industrial, and residential uses. Directly north of the project site, across Warner Avenue, is a mix of retail businesses, including Walgreens and CVS. Directly east of the project site, across Bolsa Chica Street, are an automotive repair business and four single-family homes. Immediately south of the project site is an industrial property, and immediately west of the project site is a two-story apartment complex.

The proposed project would replace two existing commercial buildings and surface parking with a senior living community and subterranean parking garage. The proposed project is designed to utilize the project site to its full potential and to complement development in the vicinity of the project site. Although implementation of the proposed project would change the existing development configuration within the site, it would not change the existing street layout in the area or introduce any new barriers that would impede or alter access to any existing or adjacent uses. Therefore, the proposed project would not result in the physical division of any established community, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

**Potentially Significant Impact.**

The main documents regulating land use on the project site are the City of Huntington Beach General Plan and the City's Zoning Code. The project site is designated and zoned Commercial General (CG). The proposed project includes a General Plan Amendment to change the land use designation from CG to Mixed Use (MU) to allow for development of a convalescent community with approval of a Conditional Use Permit. The proposed project also includes a Zoning Map Amendment to change the zoning from CG to Specific Plan (SP). Given that the proposed project includes a General Plan Amendment and Zoning Map Amendment, the proposed project's consistency with applicable plans, policies, and regulations adopted to avoid or mitigate environmental effects will be addressed in the EIR. The EIR will identify mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

## 4.12 MINERAL RESOURCES

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | | | X | |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | | | X | |

**Impact Analysis:**

a) *Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?*

**Less Than Significant Impact.**

In 1975, the California Legislature enacted the Surface Mining and Reclamation Act (SMARA) which, among other things, provided guidelines for the classification and designation of mineral lands. Areas are classified on the basis of geologic factors without regard to existing land use and land ownership. The areas are categorized into four Mineral Resource Zones (MRZs):

- **MRZ-1:** An area where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- **MRZ-2:** An area where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- **MRZ-3:** An area containing mineral deposits, the significance of which cannot be evaluated.

- **MRZ-4:** An area where available information is inadequate for assignment to any other MRZ zone.

Of the four categories, lands classified as MRZ-2 are of the greatest importance. Such areas are underlain by demonstrated mineral resources or are located where geologic data indicate that significant measured or indicated resources are present. MRZ-2 areas are designated by the State of California Mining and Geology Board as being "regionally significant." Such designations require that a Lead Agency's land use decisions involving designated areas are to be made in accordance with its mineral resource management policies and that it considers the importance of the mineral resource to the region or the State as a whole, not just to the Lead Agency's jurisdiction.

The project site has been classified by the California Geological Survey as MRZ-3, indicating that the project site is in a region generally underlain by mineral deposits, the significance of which cannot be evaluated by available data.

As indicated in the City's General Plan Environmental Resources and Conservation Element (2017), mineral resources identified within the City include oil, natural gas, and peat. The City has been the site of oil extraction since the 1920s, and large-scale oil and gas production continues today. Peat production occurred in the City from 1941 to 1954; no further mining of peat or other soil conditioners has been known to occur since that time.

The project site is currently developed with two commercial buildings and an associated paved asphalt parking lot, and uses in the vicinity include commercial, retail, industrial, and residential buildings. Therefore, mineral extraction is already precluded on the project site. Furthermore, the project site and surrounding area is not planned for uses as a mineral extraction area. As such, the proposed project is not anticipated to result in impacts related to the loss of availability of a known mineral resources that would be of value to the region and residents of the State. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

b) *Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?*

**Less Than Significant Impact.**

As discussed in Response 4.12.1(a), the project site has been classified by the California Geological Survey as MRZ-3. However, the project site is currently fully developed with two commercial buildings and an associated paved asphalt parking lot, and no mineral resource extraction activities currently occur on the site. According to the City's General Plan Environmental Resources Conservation Element (2017), the primary mineral resources of value within the City are oil and natural gas. Though much of the City is underlain by these resources, existing extraction facilities within the City are concentrated in coastal and mesa areas. Furthermore, the City's Environmental Resources and Conservation Element does not identify the project site as a locally important mineral resource recovery site. As such, redevelopment of the project site would not cause the loss of potential resources. Therefore, implementation of the proposed project is not anticipated to impact the availability of a locally important mineral resource recovery site. Potential impacts related to the loss of availability of a locally important mineral resource recovery site would be less than significant. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.13 NOISE

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project result in:* | | | | |
| a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | X | | | |
| b) Generation of excessive groundborne vibration or groundborne noise levels? | X | | | |
| c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | | | | X |

**Impact Analysis:**

a) *Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

**Potentially Significant Impact.**

Construction and operation of the proposed project may expose people to or generate noise levels that would potentially exceed standards established in the City's General Plan Noise Element (2017), or applicable standards of other agencies. Short-term noise impacts would be associated with demolition of the existing buildings, excavation, grading, and construction of the proposed project. Construction-related short-term noise levels would be higher than existing ambient noise levels in the vicinity of the project site but would no longer occur once construction of the project is complete. Operation of the proposed project is anticipated to create noise consistent with the existing on-site commercial uses including noise from service vehicles, heating and cooling equipment, and employee and resident vehicle parking, all of which would occur approximately 100 feet from adjacent residential uses. A Noise and Vibration Impact Analysis will be prepared as part of the EIR to analyze the proposed project's potential noise impacts. **This topic will be analyzed further in the EIR.**

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

**Potentially Significant Impact.**

Although operation of the proposed project would not result in ground-borne vibration, construction of the proposed project may involve construction activities that would cause potential vibration impacts. A Noise and Vibration Impact Analysis will be prepared as part of the EIR and will analyze the proposed project's potential vibration impacts. **This topic will be analyzed further in the EIR.**

c) *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

**No Impact.**

The nearest public use airport to the project site is the Long Beach Airport located at 4100 Donald Douglas Drive in the City of Long Beach, approximately 8.3 miles northwest of the project site. There are no private airstrips within 2 miles of the project site, and the project site is not within an airport land use plan. Therefore, implementation of the proposed project would not expose people residing or working in the project area to excessive noise levels. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.14 POPULATION AND HOUSING

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Induce substantial unplanned population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extensions of roads or other infrastructure)? | | | X | |
| b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? | | | | X |

**Impact Analysis:**

a) *Would the project induce substantial unplanned population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extensions of roads or other infrastructure)?*

**Less Than Significant Impact.**

The proposed project includes the demolition of two commercial buildings (retail and office), and the construction and operation of a five-story, 213-unit senior living community with subterranean parking garage, and utility and landscaping improvements. The senior living community is not a typical residential use and would likely attract existing residents that already live in the City and surrounding areas rather than inducing new population growth from outside the area. Nevertheless,

the project site does not currently contain any permanent residents in the existing condition. As such, implementation of the proposed project would potentially result in an increase in City residents.

The community is intended to house one resident per bed. Therefore, the proposed project will induce population growth in the project vicinity by adding up to 278 new residents on the project site. The addition of 278 new residents represents 0.14 percent of Huntington Beach's 2022 population of 196,100 (California Department of Finance 2022).[14] As previously discussed, given the specific services provided by a senior living community, it is expected that a majority of future residents would come from within a 5–7 mile vicinity of the project site. As such, it can be reasonably assumed that a portion of the community's 278 residents would be comprised of individuals who already live in the City, and that a population increase of 0.14 percent represents a conservative, worst-case scenario. Moreover, this population increase is minimal relative to the City's overall population.

During project operation, it is anticipated the community would be staffed by 110 employees, staggered in shifts during which the number of employees on site would range from 20 to 40 employees. According to the most recently data published by the U.S. Census Bureau, Orange County had 9,612 individuals employed at continuing care communities and assisted living communities for the elderly in 2017.[15] Therefore, because the region's existing labor force already includes a large number of people employed in the congregate care industry, it is reasonable to assume that the senior living community's employees would most likely be comprised of individuals who already live in the general area. As such, it is unlikely that these employment opportunities would cause employees to relocate their residences to be close to the project site, thereby inducing growth within the City. Population growth in the area as a result of on-site employment opportunities would be negligible.

Additionally, although the proposed project would include infrastructure improvements (such as connections to off-site utility infrastructure and the extension of utility services throughout the project site), the proposed project does not propose to expand surrounding utility infrastructure in the project vicinity, nor does the proposed project include roadway expansions or improvements that would indirectly induce population growth.

For the reasons stated above, the proposed project would not result in substantial unplanned population growth, nor would the proposed project indirectly induce population growth through utility or circulation improvements. Therefore, potential impacts related to inducement of unplanned population growth, either directly or indirectly, would be less than significant. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

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[14] 278 / 196,100 residents = 0.00141 or approximately 0.14 percent of the population.

[15] United States Census Bureau. 2020. 2017 Economic Census for Health Care and Social Assistance. Website: https://www.census.gov/data/tables/2017/econ/economic-census/naics-sector-62.html (accessed July 20, 2022).

The proposed project includes demolition of two existing commercial buildings (retail and office) and construction of a 213-unit senior living community with subterranean parking garage, landscaping, and infrastructure improvements on the project site. No housing is currently present on the project site, and therefore, there are no people living on the project site that would be displaced by the demolition of the two existing commercial buildings. Conversely, the proposed project would result in the development of 213 new senior living units. Therefore, there would be no impacts related to the displacement of substantial numbers of people or housing units, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.15 PUBLIC SERVICES

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

**Impact Analysis:**

a) *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:*

i. *Fire protection?*

**Less Than Significant Impact.**

The Huntington Beach Fire Department (HBFD) would provide fire protection services to the project site. HBFD provides response to fires, medical emergencies, marine safety, hazardous materials incidents, natural and man-made disasters, and other related emergencies. HBFD also maintains mutual aid agreements with neighboring departments (i.e., the Orange County Fire Authority, Fountain Valley Fire Department, Costa Mesa Fire Department, and Newport Beach Fire Department).[16]

HBFD operates eight fire stations within the City. The closest fire stations to the project site are Warner Fire Station 7, located at 3831 Warner Avenue approximately 1.1 miles southwest of the project site, and Heil Fire Station 8, located at 5891 Heil Avenue approximately 1.1 miles northeast of the project site. HBFD currently staffs 131 total safety personnel, with a total of 51 fire suppression and ambulance personnel on duty daily.[17] According to the City's Fiscal Year 2022/2023 Adopted Budget, HBFD provided 20,661 medical, fire, hazardous materials, and other emergency responses in 2021. HBFD has a goal response time of 7 minutes and 30 seconds from the time a medical or fire emergency is dispatched until the first unit arrives on scene. This equates to a 1-minute, 30-second dispatch time, a 2-minute company turnout time, and a 4-minute drive in most populated areas. In Fiscal Year 2020/2021, HBFD achieved its service goal 85 percent of the time.[18]

Emergency access to the project site would be provided via a right-in/right-out access driveway on Warner Avenue. Additionally, a fire access road would be provided on the south side of the project site, with full-access provided from Bolsa Chica Street. Access to and from the project site for emergency vehicles would be reviewed and approved by HBFD and the City as part of the project approval process to ensure the proposed project is compliant with all applicable codes and ordinances for emergency vehicle access. As discussed later in Section 4.17, Transportation, the proposed project would not result in a substantial increase in traffic congestion or significant impacts to the local circulation system that would delay emergency response vehicles. Therefore, the proposed project would not impair emergency response vehicles or increase response times.

As discussed in Section 4.14, Population and Housing, the proposed project could result in an increase of up to 278 additional City residents on the project site. In addition to the increase in residents on the project site, operation of the senior living community would result in staff and visitors traveling to the project site, which would contribute to an increase in calls for fire protection services. Under existing conditions, the project site supports 55,000 square feet of commercial uses which would be demolished, thereby reducing potential calls that may result from the existing commercial uses on site. Due to the type of use, size, and operation of the project, as well as project impact fees, calls for service are expected to not be substantially increased beyond existing conditions.

The project would not impair emergency response vehicles or increase response times and would not substantially increase calls for service to the project site. As such, construction and operation of the proposed project would not trigger the need for new or altered fire facilities. Consequently, HBFD would be able to maintain current levels of service provided to the project site following project implementation. Further, the proposed project would be required to comply with all

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16 City of Huntington Beach. 2022. Fiscal Year 2022/2023 Adopted Budget.

17 City of Huntington Beach Fire Operations. Website: https://www.huntingtonbeachca.gov/government/departments/fire/fire_operations/ (accessed July 27, 2022).

18 City of Huntington Beach. 2021. Fiscal Year 2021/2022 Adopted Budget.

applicable Fire Code requirements, and the proposed site plan would require approval by HBFD prior to project implementation.

The project would be subject to a Fire Facilities Development Impact Fee, as established in Chapter 17.74.040, Fire Facilities Development Impact Fee, of the City's Municipal Code (see Standard Condition PS-1, below). Project compliance with Standard Condition PS-1 would further reduce project-related impacts to fire facilities. Therefore, potential impacts related to fire protection services would be less than significant. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required; however, the proposed project would be required to comply with the City's Municipal Code, Chapter 17.74.040, Fire Facilities Development Impact Fee, as detailed below.

**SC PS-1** **Payment of Fire Facilities Development Impact Fee.** Prior to issuance of building permits, the City of Huntington Beach (City) Director of Community Development, or designee, shall confirm that the project Applicant has paid all required Fire Facilities Development Impact Fees in accordance with Chapter 17.74.040, Fire Facilities Development Impact Fee, of the Huntington Beach Municipal Code.

*ii. Police Protection?*

**Less Than Significant Impact.**

The Huntington Beach Police Department (HBPD) would provide police protection service to the project site. HBPD provides police protection services to the City and operates from three substations. One station is located at 17483 Beach Boulevard, Unit B, which is approximately 3 miles southeast of the project site. This police station would be responsible for providing first-response service to the project site.

HBPD is comprised of 230 sworn police officers and 150 civilian positions.[19] As discussed in Section 4.14, Population and Housing, the proposed project would result in an increase of up to 278 additional City residents on the project site. The development of the senior living community would result in staff and visitors traveling to the project site, which would contribute to an increase in calls for police protection services. Under existing conditions, the project site supports 55,000 square feet of commercial uses which would be demolished, thereby reducing potential calls that may result from the existing commercial uses on site. Due to the type of use, size, and operation of the project, as well as project impact fees, calls for service are expected to not be substantially increased beyond existing conditions.

The project would not impair police response vehicles or increase response times and would not substantially increase calls for service. As such, construction and operation of the proposed project would not trigger the need for new or altered police facilities. Consequently, HBPD would be able to maintain current levels of service provided to the project site following project implementation. The project would be subject to a Police Facilities Development Impact Fee, as established in

[19] City of Huntington Beach. About HB Police Department. Website: https://www.huntingtonbeachca.govgovernment/epartments/pd/about-us/ (accessed July 27, 2022).

Chapter 17.75.040, Police Facilities Development Impact Fee, of the City's Municipal Code (see Standard Condition PS-2, below). Project compliance with Standard Condition PS-2 would further reduce project-related impacts to police facilities. Therefore, potential impacts related to police protection services would be less than significant. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required; however, the proposed project would be required to comply with the City's Municipal Code, Chapter 17.75.040, Police Facilities Development Impact Fee, as detailed below.

**Standard Condition PS-2** **Payment of Police Facilities Development Impact Fee**. Prior to issuance of building permits, the City Director of Community Development, or designee, shall confirm that the project Applicant has paid all required Police Facilities Development Impact Fees in accordance with Chapter 17.75.040, Police Facilities Development Impact Fee, of the Huntington Beach Municipal Code

*iii. Schools?*

**Less Than Significant Impact.**

The City of Huntington Beach is served by five school districts that contain elementary and middle schools, and one district that contains high schools. The project site is served by the Ocean View School District (OVSD) for elementary and middle schools and the Huntington Beach Union High School District (HBUHSD) for high schools.

As discussed in Section 4.14, Population and Housing, the proposed project would increase the City's population by up to approximately 278 residents. However, school-age children would be prohibited from residing on the project site. Therefore, the addition of 278 residents to the project site would not generate new students to be served by the City's school districts, and the proposed project would not increase demand for schools in the project vicinity.

Pursuant to California Education Code 17620(a)(1), the governing board of any school district is authorized to levy a fee, charge, dedication, or other requirements against any construction within the boundaries of the district for the purpose of funding the construction or reconstruction of school facilities. The project Applicant would be required to pay such fees to reduce any project-related impacts on school services as provided in Section 65995 of the California Government Code. Pursuant to the provisions of Government Code Section 65996, a project's impact on school facilities is fully mitigated through payment of the requisite school facility development fees current at the time a building permit is issued.

The OVSD and the HBUHSD require the payment of a Development Impact Fee for all new development projects in the City to enable the districts to maintain adequate school facilities for the City's growing population. With the payment of the required fees to reduce any impacts of new development on school services (see Standard Condition PS-3, below), potential impacts to school services and facilities associated with implementation of the proposed project would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, the project Applicant would be required to pay such fees to reduce any impacts of new residential development on school services as provided in Section 65995 of the California Government Code.

**Standard Condition PS-3** **Payment of School Development Fee.** Prior to issuance of building permits, the project Applicant shall submit proof to the City Director of Community Development, or designee, that payment of applicable school facility development fees to the Ocean View School District and the Huntington Beach Union High School District has been made in compliance with Section 65995 of the California Government Code.

*iv. Parks?*

**Less Than Significant Impact.**

As discussed in Section 4.16, Recreation, the City maintains and operates 79 park properties that account for 1,073 acres of parklands and recreational facilities. There are two parks within 0.5 mile of the project site: Wieder Park (approximately 0.3 miles northwest of the project site) and Gibbs Park (approximately 0.5 miles northeast of the project site). Amenities at these parks include basketball courts, volleyball, playground areas, picnic tables, benches, and grassy areas.

Given the City's parkland-to-resident level of service ratio of 5 acres of parkland per 1,000 residents, and the City's 2022 population of 196,100 (California Department of Finance 2022), the addition of 278 senior living residents would create the need for 1.39 acres of parkland, which represents approximately 0.13 percent of the City's existing total of 1,073 acres of public parkland. Though the project would incrementally increase the need for park facilities in Huntington Beach, the increase of 0.13 percent would be negligible as it represents less than 1 percent of the City's existing parkland. Additionally, based on the City's estimated population of 196,100 (California Department of Finance 2022) and the City's parkland-to-resident ratio, the City provides 5.47 acres of parkland per resident, which exceeds the City's minimum standard. The City would continue to meet the parkland-to-resident ratio standard with the addition of 278 senior living residents.

The proposed community will include shared indoor and outdoor recreational spaces. On-site recreational amenities are anticipated to include a memory care garden, swimming pool with outdoor exercise area, outdoor seating area with fire pit, outdoor dining areas, and meditation spaces. Indoor recreation areas are anticipated to include fitness and wellness center, studio spaces, theater, art room, lounge, and multi-purpose rooms. Residents of the senior living community are not anticipated to use off-site parkland and recreational facilities, as the community is intended to contain on-site services and amenities for the daily needs of the project's residents. Nevertheless, some project employees, residents, or their visitors may use other public recreational facilities. As a result, the project would create an incremental increase in the use of area parks.

Chapter 17.76.040, Parkland Acquisition and Park Facilities Development Impact Fee, of the City's Municipal Code requires the payment of in-lieu fees for park and recreational purposes as a condition of approving new non-residential development. Payment of these in-lieu fees, as required by Standard Condition PS-4, below, would serve to reduce project-related impacts to parks to a less than significant level. Therefore, impacts to parks and recreational facilities would be less than significant, and no mitigation is required. **This topic will not be analyzed further in**

**the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required; however, the proposed project would be required to comply with City Municipal Code Chapter 17.76.040.

**Standard Condition PS-4** **Payment of Park Impact Fee.** Prior to the issuance of building permits, the City Director of Community Development, or designee, shall confirm that the project Applicant has paid all required park in-lieu/park impact fees as established in Chapter 17.76.040 of the Huntington Beach Municipal Code.

*v. Other public facilities or governmental services?*

**Less Than Significant Impact.**

The City of Huntington Beach operates a public library system consisting of five branches. The closest branch to the project site is the Helen Murphy Branch, located at 15882 Graham Street, approximately 1.2 miles northeast of the project site.

As discussed in Section 4.14, Population and Housing, the proposed project involves the construction of a five-story senior living community and, consequently, would increase the City's population by up to approximately 278 residents. As such, implementation of the proposed project could incrementally increase the demand for library services in the City. However, residents of the assisted living community are not anticipated to use off-site community facilities, such as libraries, as the community is intended to contain on-site services and amenities for the daily needs of the project's residents. Nevertheless, some project employees, residents, or their visitors may use other public facilities, such as libraries. Overall, the impact of the new library visitors generated by the project would not significantly affect the City's library facilities or their performance.

The City requires payment of a library facility impact fee to prevent new residential and non-residential development from reducing the quality and availability of public services provided to residents of Huntington Beach by requiring all new development to contribute a fair share of the proportional costs required for expansion of library facilities and collections. Payment of these impact fees, as required by Municipal Code Section 17.67 (see Standard Condition PS-5, below), would serve to reduce project-related impacts to libraries to a less than significant level. Therefore, impacts to library facilities would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required; however, the proposed project would be required to comply with the City's Municipal Code, Chapter 17.67, Library Impact Fee, as detailed below.

**Standard Condition PS-5** **Payment of Library Impact Fee.** Prior to the issuance of building permits, the City Director of Community Development, or designee, shall confirm that the project Applicant has paid all required Library Impact Fees as established in Section 17.67 of the Huntington Beach Municipal Code.

## 4.16 RECREATION

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Increase the use of existing neighborhood, community and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | | | X | |
| b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | | | X | |

**Impact Analysis:**

a) *Would the project increase the use of existing neighborhood, community and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?*

**Less Than Significant Impact.**

The City's Community Services Department operates and manages parks and recreation facilities throughout Huntington Beach. According to the City's General Plan Natural Resources and Conservation Element (2017), the City contains 3,274 acres of open space. The 3,274 acres of open space include 1,662 acres of conservation space, 701 acres of parkland, 238 acres of recreation areas, 239 acres of water recreation areas, and 434 acres of shoreline.

The City of Huntington Beach maintains and operates 79 public parklands (including parks, City-operated beaches, and public golf courses) consisting of approximately 1,073 acres. The City maintains a parkland level of service goal of 5 or more acres of parkland per 1,000 residents. Based on the City's estimated 2022 population of 196,100 (California Department of Finance 2022) and the City's parkland-to-resident ratio, the City provides approximately 5.47 acres of parkland per resident, which exceeds the City's minimum standard.

There are two parks within 0.5 mile of the project site: Wieder Park (approximately 0.3 miles northwest of the project site) and Gibbs Park (approximately 0.5 miles northeast of the project site). Although there are many diverse parks and recreational facilities within the project vicinity, the project-related increase in the City's population could incrementally increase the use of existing neighborhood and community parks within Huntington Beach.

As discussed in Section 4.14, Population and Housing, implementation of the project would result in a population increase of approximately 278 senior residents. Given the City's parkland-to-resident level of service ratio, project implementation would create the need for 1.39 acres of parkland, which represents approximately 0.13 percent of the City's total existing 1,073 acres of public parklands. Though the project would incrementally increase the need for park facilities in

Huntington Beach, the increase of 0.13 percent would be negligible as it represents less than 1 percent of the City's existing parkland. Additionally, the City currently provides approximately 5.47 acres of parkland per resident, which exceeds the City's minimum standard.

The proposed community will include shared indoor and outdoor recreational spaces. On-site recreational amenities are anticipated to include a memory care garden, swimming pool with outdoor exercise area, outdoor seating area with fire pit, outdoor dining areas, and meditation spaces. Indoor recreation areas are anticipated to include fitness and wellness center, studio spaces, theater, art room, lounge, and multi-purpose rooms. Residents of the senior living community are not anticipated to use off-site parkland and recreational facilities, as the community is intended to contain on-site services and amenities for the daily needs of the proposed project's residents. Nevertheless, some project employees, residents, or their visitors may use other public recreational facilities. As a result, the proposed project would create an incremental increase in the use of area parks.

Chapter 17.76.040, Parkland Acquisition and Park Facilities Development Impact Fee, of the City's Municipal Code requires the payment of in-lieu fees for park and recreational purposes as a condition of approving new residential and non-residential development. As discussed previously in Section 4.15, Public Services, the proposed project would be required to pay in-lieu fees to the City as a standard condition of project approval (see Standard Condition PS-4 in Response 4.15(d) in Section 4.15). With the payment of the required park impact fees, the proposed project's contribution to deterioration of parks and recreational facilities would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

b) *Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?*

**Less Than Significant Impact.**

As previously stated above, the proposed community will include shared indoor and outdoor recreational spaces. On-site recreational amenities are anticipated to include a memory care garden, swimming pool with outdoor exercise area, outdoor seating area with fire pit, outdoor dining areas, and meditation spaces. Indoor recreation areas are anticipated to include fitness and wellness center, studio spaces, theater, art room, lounge, and multi-purpose rooms. Residents of the senior living community are not anticipated to use off-site parkland and recreational facilities, as the community is intended to contain on-site services and amenities for the daily needs of the proposed project's residents.

The construction of shared recreational area is part of the proposed project, and the potential adverse effects associated with implementation of the proposed project on aesthetics, agricultural and forestry resources, biological resources, hazards and hazardous materials, hydrology and water quality, mineral resources, population and housing, public services, transportation, and wildfire have been considered through the analysis in this Initial Study. Project-related impacts to these resource topics have been determined to be less than significant as described in this Initial Study. Potential adverse effects associated with implementation of the proposed project on air quality, cultural resources, energy, geology and soils, greenhouse gas emissions, land use and planning, noise, tribal cultural resources, and utilities and service systems will be considered through the analysis in their respective EIR sections. **This threshold will not be analyzed further in the EIR**

**unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.17 TRANSPORTATION

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

**Impact Analysis:**

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

**Less Than Significant Impact.**

In order to assess the impact of the proposed project on the surrounding circulation system, project trips that would be generated during project operation and construction were calculated based on trip generation rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition (2021) for Land Use Codes 253 (Congregate Care Community) and 254 (Assisted Living). ITE trip rates for Land Use Codes 710 (General Office Building) and 822 (Strip Retail Plaza) were applied to the existing commercial uses to be demolished upon project implementation.

The approximately 3.10-acre project site is developed with two commercial buildings totaling 54,853 square feet and a surface parking lot. Of the 54,853 square feet, 45,340 square feet are currently occupied (34,893 square feet of office use and 10,447 square feet of retail use). The proposed project includes the demolition of the existing commercial buildings and the development of a five-story, 298,000-square-foot State-licensed senior living community consisting of 213 total living units, 207 on-site parking spaces, and associated hardscape and landscaping improvements.

Of the total 213 senior living units, 123 would be Independent Living (Congregate Care) units, 28 would be Memory Care (Assisted Living) units, and 62 would be Assisted Living units. The units

would range in size from single bed (approximately 436 square feet) to three-bedroom units (approximately 2,160 square feet). The proposed project would provide 102 total beds within the 62 Assisted Living units (72) and 28 Memory Care units (30).

The community would provide 207 parking spaces for residents and staff, 4 of which would be surface parking spaces under the porte cochère. A single-level subterranean parking garage would be built beneath the senior living community with 203 parking spaces.

Table B, Project Trip Generation Summary, below, presents the trip generation of the existing occupied uses and the proposed project uses.

**Table B: Project Trip Generation Summary**

| Land Use | Size | Unit | Daily | AM Peak Hour | | | PM Peak Hour | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | In | Out | Total | In | Out | Total |
| **Trip Rates[1]** | | | | | | | | | |
| Congregate Care | | du | 2.21 | 0.05 | 0.03 | 0.08 | 0.09 | 0.09 | 0.18 |
| Assisted Living | | beds | 2.60 | 0.11 | 0.07 | 0.18 | 0.09 | 0.15 | 0.24 |
| Office | | tsf | 10.84 | 1.34 | 0.18 | 1.52 | 0.24 | 1.20 | 1.44 |
| Strip Retail Plaza | | tsf | 54.45 | 1.42 | 0.94 | 2.36 | 3.30 | 3.29 | 6.59 |
| **Project Trip Generation** | | | | | | | | | |
| Congregate Care | 123 | du | 272 | 6 | 4 | 10 | 11 | 11 | 22 |
| Assisted Living | 102 | beds | 265 | 11 | 7 | 18 | 9 | 15 | 24 |
| Total | | | 537 | 17 | 11 | 28 | 20 | 26 | 46 |
| **Existing Trip Generation** | | | | | | | | | |
| Office | 34.893 | tsf | 378 | 47 | 6 | 53 | 8 | 42 | 50 |
| Strip Retail Plaza | 10.447 | tsf | 569 | 15 | 10 | 25 | 35 | 34 | 69 |
| Total | 45.340 | tsf | 947 | 62 | 16 | 78 | 43 | 76 | 119 |
| **Net Trip Generation (Project - Existing)** | | | **(410)** | **(45)** | **(5)** | **(50)** | **(23)** | **(50)** | **(73)** |

Source = LSA, September 2022

[1] Trip rates referenced from the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition (2021).
Land Use Code 253 (Congregate Care Facility)
Land Use Code 254 (Assisted Living)
Land Use Code 710 (General Office Building)
Land Use Code 822 (Strip Retail Plaza)

du = dwelling units
tsf = thousand square feet

As shown in Table B, the proposed project is anticipated to generate 537 daily trips, including 28 a.m. peak-hour trips and 46 p.m. peak-hour trips. Vehicular trips associated with the proposed project would be generated primarily from employees and residents of the community.

The 45,340 square feet of existing occupied commercial (office and strip retail plaza) uses generate approximately 947 daily trips, including 78 a.m. peak hour trips and 119 p.m. peak hour trips.

The proposed project would result in a net reduction of 410 daily trips, including a net reduction of 50 trips in the a.m. peak hour and a net reduction of 73 trips in the p.m. peak hour.

The net reduction in site trips is attributable to the change in use. Commercial (office and strip retail plaza) uses generate more trips than a senior living community (congregate care and assisted living uses).

Based on the reduction in daily and peak-hour trips, it is anticipated that the proposed project would not have any adverse impacts on the surrounding circulation system (i.e., Warner Avenue and Bolsa Chica Street).

Construction of the project would include the following six phases (including average phase, daily number of employees, and daily trucks):

1. Demolition (9 weeks): 15 workers and 3 trucks
2. Site Preparation (6 weeks): 18 workers
3. Grading (5 weeks): 15 workers and 138 trucks
4. Building Construction (85 weeks): 200 workers
5. Architectural Coating (52 weeks): 38 workers
6. Paving (3 weeks): 20 workers

Because typical construction hours are 7:00 a.m. to 5:00 p.m., each worker will arrive during the a.m. peak hour and depart during the p.m. peak hour. To present a conservative, worst-case analysis, all workers are assumed to drive themselves to/from the project site. Truck trips will occur throughout the day, including both peak hours. Table C, Construction Trip Generation Summary, below, provides a summary for each phase of construction.

Although construction of the proposed project would generate more peak-hour trips than the existing office use and the proposed senior living community, the increased traffic conditions would be temporary and would cease upon the completion of project construction. The temporary increase in construction trips is not anticipated to result in permanent adverse operations to the adjacent roadways.

Although the proposed project would generate vehicles and trucks for typical operations and construction, it would not preclude alternative modes of transportation or facilities (e.g., transit, bicycle, or pedestrian). In addition, the proposed senior living community is expected to provide van service to the residents. The proposed project is consistent with the City's General Plan Circulation Element (2017), which establishes goals for pedestrian protection and traffic calming measures. On-street Class II bike lanes are provided on each side of Warner Avenue in the project vicinity. In addition, the Orange County Transportation Authority (OCTA) operates bus service (Route 72) along Warner Avenue. Bus stops are provided at the northwest and southeast corners of the intersection of Bolsa Chica Street and Warner Avenue.

The proposed project would not make any changes to the public right-of way in the project vicinity and would not conflict with existing or planned pedestrian, bicycle, or transit facilities. Therefore, project impacts associated with conflicts with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## Table C: Construction Trip Generation Summary

| Description | Size | Unit | Daily | AM Peak Hour | | | PM Peak Hour | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | In | Out | Total | In | Out | Total |
| **Construction Trip Generation** | | | | | | | | | |
| ***Phase 1 – Demolition (9-Week Duration: April 1 to May 31, 2024)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 15 | Vehicle | 30 | 15 | 0 | 15 | 0 | 15 | 15 |
| Trucks[2] (PCE = 2) | 3 | Truck | 12 | 2 | 2 | 4 | 2 | 2 | 4 |
| ***Total*** | | | ***42*** | ***17*** | ***2*** | ***19*** | ***2*** | ***17*** | ***19*** |
| ***Phase 2 – Site Preparation (6-Week Duration: June 3 to July 12, 2024)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 18 | Vehicle | 36 | 18 | 0 | 18 | 0 | 18 | 18 |
| Trucks[2] (PCE = 2) | 0 | Truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Total*** | | | ***36*** | ***18*** | ***0*** | ***18*** | ***0*** | ***18*** | ***18*** |
| ***Phase 3 – Grading (5-Week Duration: July 15 to August 16, 2024)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 15 | Vehicle | 30 | 15 | 0 | 15 | 0 | 15 | 15 |
| Trucks[2] (PCE = 2) | 138 | Truck | 552 | 28 | 28 | 56 | 28 | 28 | 56 |
| ***Total*** | | | ***582*** | ***43*** | ***28*** | ***71*** | ***28*** | ***43*** | ***71*** |
| ***Phase 4 – Building Construction (85-Week Duration: August 19, 2024 to April 3, 2026)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 200 | Vehicle | 400 | 200 | 0 | 200 | 0 | 200 | 200 |
| Trucks[2] (PCE = 2) | 0 | Truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Total*** | | | ***400*** | ***200*** | ***0*** | ***200*** | ***0*** | ***200*** | ***200*** |
| ***Phase 5 – Architectural Coating (52-Week Duration: April 7, 2025 to April 3, 2026)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 38 | Vehicle | 76 | 38 | 0 | 38 | 0 | 38 | 38 |
| Trucks[2] (PCE = 2) | 0 | Truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Total*** | | | ***76*** | ***38*** | ***0*** | ***38*** | ***0*** | ***38*** | ***38*** |
| ***Phase 6 – Paving (3-Week Duration: April 6 to April 24, 2026)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 20 | Vehicle | 40 | 20 | 0 | 20 | 0 | 20 | 20 |
| Trucks[2] (PCE = 2) | 0 | Truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Total*** | | | ***40*** | ***20*** | ***0*** | ***20*** | ***0*** | ***20*** | ***20*** |
| ***Overlapping Phases 4 and 5 (52-Week Duration: April 7, 2025 to April 3, 2026)*** | | | | | | | | | |
| Workers[1] (PCE = 1) | 238 | Vehicle | 476 | 238 | 0 | 238 | 0 | 238 | 238 |
| Trucks[2] (PCE = 2) | 0 | Truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Total*** | | | ***476*** | ***238*** | ***0*** | ***238*** | ***0*** | ***238*** | ***238*** |
| **Existing Trip Generation[3]** | | | | | | | | | |
| Commercial | 45.340 | TSF | 947 | 62 | 16 | 78 | 43 | 76 | 119 |
| **Net Trip Generation (Overlapping Phases - Existing)** | | | **(471)** | **176** | **(16)** | **160** | **(43)** | **162** | **119** |

Source = LSA, September 2022

= Peak of construction activities (highest construction trip generation).

[1] Each worker is anticipated to arrive during the a.m. peak hour and depart during the p.m. peak hour.

[2] Truck trips are anticipated to occur throughout the day, including the a.m. and p.m. peak hours.

[3] Existing commercial trip generation from Table 4.17A

PCE = passenger car equivalent. A worker vehicle has a PCE of 1 and a truck has a PCE of 2.

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

**Less Than Significant Impact.**

According to *State CEQA Guidelines* Section 15064.3(a), project-related transportation impacts are generally best measured by evaluating the project's vehicle miles traveled (VMT). VMT refers to the amount and distance of automobile travel attributable to a project.

As a result of Senate Bill (SB) 743, the California Office of Administrative Law cleared the revised CEQA Guidelines for use on December 28, 2018. Among the changes to the guidelines was the removal of vehicle delay and level of service from consideration under CEQA. The intent of SB 743 and the revised *State CEQA Guidelines* is to promote the reduction of greenhouse gas (GHG) emissions, the development of multimodal transportation networks, and a diversity of land uses. With the adopted guidelines, transportation impacts are to be evaluated based on a project's effect on VMT.

The City has not formally adopted thresholds related to VMT. However, the City currently recommends a VMT analysis based upon the Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA*, dated December 2018.[20] The OPR Technical Advisory recommends a screening level threshold for projects that generate fewer than 110 average daily trips (ADT). Generally, small projects generating less than 110 ADT may be assumed to cause a less than significant transportation impact.

Because the City has not formally adopted VMT guidelines and thresholds, as a matter of practice, the City intends to utilize and rely upon the VMT screening thresholds adopted by the County of Orange. The County has adopted VMT screening criteria of 500 ADT. This criteria exceeds the recommended VMT screening of 110 ADT from the OPR Technical Advisory.

As stated above, the proposed project would result in a net reduction of 410 daily trips, including a net reduction of 50 trips in the a.m. peak hour and a net reduction of 73 trips in the p.m. peak hour. Therefore, based on the screening criteria of the County, the proposed project would be screened out of a VMT analysis because the proposed project would generate fewer daily and peak-hour trips compared to the existing commercial uses, resulting in a reduction of trips on site. As such, the proposed project would result in a less than significant transportation impact with respect to VMT. The proposed project would not be inconsistent with *State CEQA Guidelines* Section 15064.3, subdivision (b), and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

With implementation of the proposed project, vehicle access to the community would be provided via three driveways on Bolsa Chica Street (one entry-only driveway and one exit-only driveway for the porte cochère, and one full-access driveway for the subterranean parking garage). The proposed project would also provide a right-in/right-out only driveway on Warner Avenue for emergency and service vehicles and a full-access driveway on Bolsa Chica Street for emergency vehicles only. As previously discussed in Response 4.17(a), project implementation would result in a reduction of both daily and peak-hour trips, therefore minimizing the strain on the surrounding circulation system when traffic volumes are typically the highest. Vehicular traffic to and from the project site would utilize the existing network of regional and local roadways that currently serve the project site and surrounding area. The proposed project would not introduce any new roadways or introduce a land use that would conflict with existing urban land uses in the surrounding area.

[20] Governor's Office of Planning and Research (OPR). 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December.

Design of the proposed project, including the internal access, ingress, egress, and other streetscape changes, would be subject to review by the City's Department of Public Works and HBFD to ensure adequate fire engine access and turning radius throughout the development. Therefore, the proposed project would not substantially increase hazards due to a geometric design feature (e.g., sharp curve or dangerous intersection) or incompatible uses (e.g., farm equipment), and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

d) *Would the project result in inadequate emergency access?*

**Less Than Significant Impact.**

Emergency access to the project site would be provided via one right-in/right-out driveway on Warner Avenue and a full-access driveway on Bolsa Chica Street. While the Natural and Environmental Hazards Element makes recommendations for emergency evacuation and access, it only designates official evacuation routes in the event of tsunami. In the event of tsunami, Bolsa Chica Street is one of 12 designated emergency evacuation routes for the western portions of the City located in a tsunami risk zone. It is anticipated that project occupants would utilize Bolsa Chica Street as an evacuation route in the event of an emergency. The proposed project is not anticipated to result in any substantial traffic impacts or queuing on nearby streets during short-term construction activities, and all construction equipment would be staged within the project site. The proposed project does not include any changes to the existing circulation system surrounding the project site and would not interfere with existing emergency evacuation routes. As such, access to Bolsa Chica Street during construction and operation would not be impeded. Access to and from the site must be designed to City and HBFD safety standards and would be subject to the review and approval of the City and HBFD. Therefore, approval of the project plans would ensure that the proposed project's impacts related to emergency access would be less than significant, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.18 TRIBAL CULTURAL RESOURCES

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:* | | | | |
| a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or | X | | | |

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe? | X | | | |

**Impact Analysis:**

*Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:*

*a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or*

*b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. (Sources: 5,6)*

The following response addresses Thresholds 4.18(a) and (b), as outlined above.

**Potentially Significant Impact.**

Chapter 532, Statutes of 2014 (i.e., Assembly Bill [AB] 52), requires that Lead Agencies evaluate a project's potential to impact "tribal cultural resources." Such resources include sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources (PRC Section 21074). AB 52 also gives Lead Agencies the discretion to determine, supported by substantial evidence, whether a resource falling outside the definition stated above nonetheless qualifies as a "tribal cultural resource."

Also, per AB 52 (specifically PRC Section 21080.3.1), as Lead Agency, the City must consult with California Native American tribes that are traditionally and culturally affiliated with the geographic area of the project site and have previously requested that the Lead Agency provide the tribe with notice of such projects.

In compliance with AB 52, letters were distributed on September 23, 2022 to local Native American tribes that previously requested to be notified of future projects proposed by the

City and to Native American tribal contracts provided by the Native American Heritage Commission (NAHC). Each tribe will have an opportunity to request consultation with the City regarding the proposed project, and in compliance with AB 52, tribes will have 30 days from the date of receipt of notification to request consultation on the proposed project. Information provided through the AB 52 tribal consultation process will inform the assessment as to whether tribal cultural resources are present and the significance of any potential impacts to such resources. This information will be provided in the EIR.

California Government Code Section 65352.3 (adopted pursuant to the requirements of Senate Bill 18 [SB 18]) requires local governments to contact, refer plans to, and consult with tribal organizations prior to making a decision to adopt or amend a General or Specific Plan. The tribal organizations eligible to consult have traditional lands in a local government's jurisdiction and are identified, upon request, by the NAHC. As noted in the Governor's Office of Planning and Research's *Tribal Consultation Guidelines, Supplement to General Plan Guidelines* (2005)[21], "The intent of SB 18 is to provide California Native American tribes an opportunity to participate in local land use decisions at an early planning stage, for the purpose of protecting, or mitigating impacts to, cultural places."

In compliance with SB 18, letters were distributed on September 23, 2022 to local Native American tribal contacts provided by the NAHC. The letters provide each tribe with an opportunity to request consultation with the City regarding the proposed project, and in compliance with SB 18, tribes will have 90 days from the date of receipt of notification to request consultation on the proposed project. Information provided through the SB 18 tribal consultation process will also inform the assessment as to whether tribal cultural resources are present and the significance of any potential impacts to such resources. **Impacts to tribal cultural resources will be analyzed further in the EIR.**

## 4.19 UTILITIES AND SERVICE SYSTEMS

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| *Would the project:* | | | | |
| a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects? | X | | | |
| b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? | | | X | |

[21] Governor's Office of Planning and Research (OPR). 2005. *Tribal Consultation Guidelines, Supplement to General Plan Guidelines*. April 15, 2005. Website: https://www.parks.ca.gov/pages/22491/files/tribal_consultation_guidelines_vol-4.pdf 9 (accessed January 2, 2020).

| | Potentially Significant Impact | Potentially Significant Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | | | X | |
| d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? | | | X | |
| e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste? | | | X | |

**Impact Analysis:**

a) *Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunication facilities, the construction of which could cause significant environmental effects?*

**Water (Less Than Significant Impact).** Domestic water service in Huntington Beach is provided by the City's Utilities Division of the City Public Works Department. According to the 2020 Urban Water Management Plan (UWMP), from 2019–2020, the City's water supply was approximately 70 percent groundwater and 30 percent imported water. The City supplements its local groundwater, which is obtained from the Lower Santa Ana River Groundwater Basin (also known as the Orange County Groundwater Basin) with imported water purchased from Metropolitan through the Municipal Water District of Orange County (MWDOC). It is projected that by the year 2045, the water supply mix will shift to approximately 85 percent groundwater and 15 percent imported water.

Water demand associated with the proposed project would be typical of a senior living community. The project site currently contains water lines that serve the existing commercial (office and retail) buildings; however, those service lines would be disconnected and capped, and replaced with new water lines that would connect to the existing water mains that run parallel to Warner Avenue and Bolsa Chica Street. According to the 2020 UWMP, the City's projected water supply is able to meet projected water demands in the years 2025, 2030, 2035, 2040, and 2045 during normal years, single dry years, and multiple dry years. In 2020, the actual water supply and actual water demand was 25,966 acre-feet (af). In 2045, the total projected water supply and projected water demand is 26,054 af annually, with supply and demand increasing equally and incrementally every 5-year period between 2025 and 2045. Therefore, the City's existing water supplies are projected to meet full service demands through the year 2045.

The senior living community and landscape improvements associated with the proposed project are anticipated to use approximately 8.42 million gallons per year, or 25.85 af per year of water. The project-related water use represents approximately 0.1 percent of the 2020 water supply in the

City's service area.[22] Consequently, anticipated water usage by the proposed project is negligible (less than 1 percent) compared to the City's total annual water supply. Further, with the approval of a Conditional Use Permit (CUP) and General Plan Amendment (changing the land use designation from Commercial General to Mixed Use to allow for any combination of commercial uses; offices, attached single-family housing, multiple-family housing, and live-work units; institutional uses; cultural facilities; developments including an open space component; and/or civic facilities), the proposed use would be consistent with the General Plan and land use designations. The land use designations are used to estimate the annual water demand as described in the City's UWMP. As such, the water demand associated with uses on the project site is planned for in the UWMP. The change in land use on the site from commercial buildings to a senior living community would not represent a significant change in land use that would require or result in the relocation or construction of new or expanded water treatment facilities. Therefore, the project would result in less than significant impacts associated with water facilities, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Wastewater (Less Than Significant Impact).** The Utilities Division of the City's Public Works Department operates and maintains the local sewer collection pipes that feed into the Orange County Sanitation District's (OCSD) sewer system. The City's sewer system includes 360 miles of sewer lines, 10,091 manholes, and 27 lift stations.[23] Wastewater in the City would be conveyed to OCSD's Plant No. 2, which has a current daily capacity of 64 million gallons per day (mgd). Plant No. 2 also has a 120-inch diameter ocean outfall that extends 4 miles off the coast of the City, and a 78-inch diameter emergency outfall that extends 1.3 miles off of the coast. Plant No. 2 is currently undergoing a number of construction projects: the Outfall Low Flow Pump Station, the Primary Treatment Replacement, and the Groundwater Replenishment System Final Expansion.

The Utilities Division of the City's Public Works Department currently provides sewer service to the project site. The proposed project would perpendicularly extend an existing 8-inch sewer lateral line from the north side of the community to connect to an existing 18-inch sewer line running parallel to Warner Avenue. Additional sewer points of connection would be provided along the east side of the community connecting to an existing 8-inch sewer main running parallel to Bolsa Chica Street. The proposed project is anticipated to generate approximately 20,767 gpd of wastewater.[24] The total amount of wastewater generated by the project represents approximately 0.03 percent[25] of the daily treatment capacity at OCSD's Plant No. 2. Consequently, wastewater generated by the proposed project would be negligible (less than 1 percent) compared to the treatment facility's available capacity. Further, as part of the CUP approval process, the Applicant must demonstrate that the proposed sewer connection would have sufficient capacity to accommodate the proposed project with preparation of a Sewer Feasibility Study as specified in Standard Conditions UTL-1. With implementation of Standard Condition UTL-1, development of the proposed project would not require, nor would it result in, the construction or relocation of new or expanded wastewater treatment or collection facilities other than those facilities required for connections to be constructed on site. Therefore, project impacts related to the construction of

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22 25.85 afy/ 25,966 afy = 0.00099 or approximately 0.1 percent.

23 City of Huntington Beach. 2022. Sewer System Management Plan.

24 In the absence of an official wastewater generation rate, wastewater can be reasonably assumed to be 90 percent of water use. 8.422 million of gallons per year = approximately 23,074 gpd. Therefore, 23,074 gpd * .9 = 20,766.6 or approximately 20,767 gpd.

25 20,767 gpd / 64,000,000 gpd = approximately 0.00032 or 0.03 percent.

wastewater treatment or collection facilities would be less than significant, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Standard Condition:** No mitigation is required. However, previously Standard Condition UTL-1 as shown below would be implemented to ensure the proposed project would not result in impacts related to the construction of wastewater treatment or collection facilities.

**Standard Condition UTL-1** **Sewer Feasibility Study.** Prior to issuance of a grading or building permit, the project Applicant shall submit a Sewer Feasibility Study prepared by a qualified civil engineer to the City of Huntington Beach City Engineer, or designee, for review and approval. The Sewer Feasibility Study shall include a review of the existing sewer system that would serve the project site to confirm that it has available capacity to accept the wastewater flow generated by the proposed project's uses. Any required improvements shall be identified in the Sewer Feasibility Study. The analysis, conclusions, and recommendations in the Sewer Feasibility Study shall be based on final design plans and shall be consistent with all applicable City requirements. In the event that the Sewer Feasibility Study identifies insufficient sewer capacity to serve the proposed project, the project Applicant would be required to pay a fair-share portion of the cost to improve or replace sewer lines to ensure sufficient capacity.

**Stormwater Drainage Facilities (Less Than Significant Impact)**. Project improvements would include the addition of on-site storm drains along Warner Avenue and Bolsa Chica Street that would connect to the existing storm drain system near the northeastern corner of the project site. The proposed stormwater drainage system would generally conform to the existing on-site drainage pattern. As stated previously, development of the proposed project would decrease the impervious surface area on the project site by approximately 8,106 square feet. Impervious surface areas associated with development of the project site would not be prone to erosion or siltation, because no loose soil would be included in these areas. Pervious portions of the site would be covered with proposed landscaping that would stabilize the soil and minimize on-site erosion or siltation. All stormwater runoff on the project site would be collected and treated via biofiltration planters and modular wetlands before discharging flows into the storm drain system. As specified in Standard Condition WQ-4, detailed in Section 4.10, Hydrology and Water Quality, a Final Hydrology Study would be approved by the City and demonstrate that the on-site drainage facilities are designed and adequately sized to convey and reduce runoff such that on-site and off-site drainage facility capacity would not be exceeded during a design storm. With implementation of Standard Condition WQ-4, the proposed project would not exceed the capacity of downstream stormwater drainage facilities or cause the expansion of existing facilities. Additionally, the proposed project would not require or result in the construction of new stormwater drainage facilities or the expansion of existing facilities beyond the improvements included as part of the proposed project. Therefore, impacts to stormwater drainage facilities would be less than significant with the incorporation of Standard Condition WQ-4. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

**Electric Power (Potentially Significant Impact).** Electric power would be supplied to the project site by Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile area of Central, Coastal, and Southern California.[26]

As discussed in Section 4.6, Energy, construction of the proposed project would require demolition, site preparation, grading, building construction, paving, and architectural coating activities. Construction of the proposed project would require energy for the manufacture and transportation of construction materials, preparation of the site for grading and building activities, and construction of the community. All or most of this energy would be derived from non-renewable resources. Energy consumption related to project operations would include transportation energy demands (energy consumed by service, employee, and resident vehicles), and building energy for heating/cooling, and cooking. Consumption of energy resources will be analyzed as part of the EIR, including the project's impacts with respect to existing and projected supplies of electricity. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

**Natural Gas (Potentially Significant Impact).** Natural gas is provided in the City by the Southern California Gas Company (SoCal Gas). Natural gas lines would be extended throughout the project site and would connect to existing gas lines in the public right-of-way within Bolsa Chica Street and Warner Avenue. The Applicant would be responsible for constructing connections to these existing distribution facilities.

The project's impacts with respect to existing and projected supplies of natural gas will be analyzed as part of the EIR. The EIR will also identify appropriate and feasible mitigation measures, if necessary. **This topic will be analyzed further in the EIR.**

**Telecommunications (Less Than Significant Impact)**. Cable, internet, and telephone services are provided to the City's residents by major third-party purveyors. Cellular services provided by all major cellular networks are available in the City. Construction activities associated with the proposed project would not increase the demand for telecommunications facilities. In addition, the proposed project would not involve the construction or relocation of new or expanded telecommunications facilities. As discussed in Section 4.14, Population and Housing, the project is anticipated to result in a population increase of approximately 278 people; the increase in population resulting from the proposed project comprises less than 1 percent of the total population of Huntington Beach and does not represent a substantial increase in population. Further, the proposed senior living community is replacing commercial uses that are currently served by telecommunications services. Therefore, implementation of the proposed project would not result in impacts related to the construction or relocation of existing telecommunications facilities, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

[26] Southern California Edison (SCE). 2021. Fact Sheets. Website: https://newsroom.edison.com/fact-sheets/fs (accessed July 2022).

As previously stated in Response 4.19(a), above, the City's projected water supply is able to meet projected water demands in the years 2025, 2030, 2035, 2040, and 2045 during normal years, single dry years, and multiple dry years. As previously established, the project is anticipated to use approximately 25.85 acre-feet per year (afy) of water. The project's estimated annual water usage represents approximately 0.1 percent of the projected water supply in the Utilities Division's service area in 2025, 2030, 2035, 2040, and 2045. As such, the estimated annual water use that would be required for operation of the proposed project would not cause the Utilities Division's available supply to be exceeded in the single dry year or multiple dry year scenarios. Therefore, water demand from the proposed project would be within the Utilities Division's current and projected water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years. Impacts related to water supplies would be less than significant, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

c) *Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?*

**Less Than Significant Impact.**

The proposed project includes the demolition of two existing commercial buildings and associated surface parking lot, the development of a five-story senior living community with subterranean parking garage, and landscaping and utility improvements. Infrastructure components to be completed as part of the proposed project would require connections to existing infrastructure within Bolsa Chica Street and Warner Avenue.

Refer to Response 4.19(a). Although the proposed project is anticipated to generate 53,274 gpd of wastewater, the total amount of wastewater generated represents approximately 0.08 percent of the daily treatment capacity at the wastewater treatment plants serving Huntington Beach. Consequently, the wastewater flows from the proposed project can be accommodated within the existing design capacity of the wastewater treatment plants serving the City. Additionally, wastewater generated from the proposed project would be typical of residential wastewater flows in Huntington Beach. As such, OCSD's Plant No. 2 would have adequate capacity to serve the project's projected demand in addition to the providers' existing commitments. The proposed project would not result in any of the wastewater treatment plants discussed above exceeding wastewater treatment requirements. Therefore, impacts related to wastewater generation are less than significant, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

d) *Would the project generate solid waste in excess of State and local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?*

**Less Than Significant Impact.**

Solid waste collection and transport in Huntington Beach is handled by contracted private firms that haul collected materials to regional landfills and materials recycling facilities. Solid waste collected in the City of Huntington Beach is transported to the Frank R. Bowerman Landfill in Irvine, approximately 10 miles east of the project site. The landfill, which is expected to remain in

operation until approximately 2053, is permitted to receive 11,500 tons per day (tpd).[27] On average, 8,500 tons are disposed daily.[28] As such, the landfill has an average daily surplus disposal capacity of approximately 3,000 tons. The Frank R. Bowerman Landfill has a total remaining capacity of 205,000,000 cubic yards (cy).[29]

As described in Section 4.14, Population and Housing, implementation of the proposed project would result in an increase of approximately 278 residents on the project site. The proposed project would generate approximately 0.5 ton of solid waste per day (184.37 tons per year) during project operation.[30] As stated previously the Frank R. Bowerman Landfill has the capacity to process an additional 3,000 tons of solid waste per day. The total amount of solid waste generated by the proposed project would constitute less than 0.017 percent of the remaining daily available capacity at the Frank R. Bowerman Landfill. Additionally, because the senior living community would replace two existing commercial (retail and office) buildings, which currently generate waste, new waste-generating uses would not be introduced to the project site. As such, solid waste generated by the proposed project would not cause the capacity of the Frank R. Bowerman Landfill to be exceeded. The proposed project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure. Moreover, the proposed project would not otherwise impair the attainment of State solid waste reduction goals. Therefore, the proposed project would result in a less than significant impact to solid waste and landfill facilities, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

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

**Less Than Significant Impact.**

The California Integrated Waste Management Act of 1989 (AB 939) changed the focus of solid waste management from landfill to diversion strategies (e.g., source reduction, recycling, and composting). The purpose of the diversion strategies is to reduce dependence on landfills for solid waste disposal. AB 939 established mandatory diversion goals of 25 percent by 1995 and 50 percent by 2000. AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the State that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by the year 2020 and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the State's policy goal.

According to the General Plan Public Services and Infrastructure Element (2017), City efforts to increase waste diversion include maximizing recycling, composting, and source reduction to ensure continued compliance with State regulations. The City plans to eliminate landfill waste by improving waste collection services and increasing community knowledge of available waste diversion practices. These efforts will collectively improve the City's total waste diversion rate. The proposed project would also be required to comply with all federal, State, and local regulations related to solid waste. Specifically, the proposed project would comply with all standards related

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27 OC Waste and Recycling. Frank R. Bowerman Landfill. Website: http://www.oclandfills.com/landfill/active/bowerman (accessed August 15, 2022).

28 Ibid.

29 CalRecycle. 2019. Solid Waste Information System (SWIS). Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2767?siteID=2103 (accessed August 15, 2022).

30 California Emissions Estimator Model (CalEEMod). Compiled by LSA (September 2022).

to solid waste diversion, reduction, and recycling during project construction and operation. Therefore, the proposed project is anticipated to result in less than significant impacts related to potential conflicts with federal, State, and local management and reduction statutes and regulations pertaining to solid waste, and no mitigation would be required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potential impact is presented during the scoping process.**

## 4.20 WILDFIRE

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

**Impact Analysis:**

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

**No Impact.**

According to the City's General Plan Natural and Environmental Hazards Element (2017), the project site and surrounding area are not located within a Very High Fire Hazard Severity Zone (VHFHSZ), or within a State Responsibility Area (SRA).

The proposed project would not substantially impair an adopted emergency response plan or evacuation plan. The City's General Plan Natural and Environmental Hazards Element outlines goals and policies aimed at reducing the potential risk of loss of life, injury, property damage, and economic and social dislocation resulting from a disaster, accident, or other hazards in Huntington Beach. Emergency events addressed in the Natural and Environmental Hazards Element include

those associated with seismically induced conditions, slope instability, geologic hazards, flooding, wildland and urban fires, evacuation routes, coastal hazards, hazardous material exposure, aircraft hazards, and disaster and emergency preparedness.

The proposed project does not include any characteristics (e.g., permanent road closures or long-term blocking of road access) that would substantially impair or otherwise conflict with an emergency response plan or emergency evacuation plan. As discussed in Section 4.17, Transportation, the proposed project is not anticipated to result in any substantial traffic during short-term construction activities, and all construction equipment would be staged within the project site. Therefore, impacts related to emergency response and evacuation plans associated with construction of the proposed project would be less than significant.

The proposed project does not include any changes to public or private roadways that would physically impair or otherwise conflict with an emergency response or the use of emergency evacuation routes. In addition, during the operational phase of the project, on-site access would be required to comply with standards established by the City and the Huntington Beach Fire Department (HBFD). The size and location of fire suppression facilities (e.g., hydrants) and fire access routes would be required to conform to City and HBFD standards. The proposed project would provide adequate emergency access to the site via two fire access roads: (1) on the south side of the project site, with access provided from Bolsa Chica Street; and (2) at the northwestern corner of the project site, with access provided from Warner Avenue. Both fire access roads would include a turnaround that would ensure adequate access and turning radius for emergency vehicles. Access to and from the project site for emergency vehicles would be reviewed and approved by HBFD and the City as part of the project approval process to ensure the proposed project is compliant with all applicable codes and ordinances for emergency vehicle access. Further, the project site is not located in or near an SRA or lands classified as VHFHSZ. Therefore, because the project site is not located in or near an SRA or lands classified as VHFHSZ, the proposed project would not substantially impair an adopted emergency response plan or emergency evacuation plan in the event of wildfire. No mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

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

**No Impact.**

The project site is relatively flat, and the surrounding area does not contain significant natural or manufactured slopes. The majority of the project site and the surrounding area are currently developed, and therefore, lack the combustible materials and vegetation necessary for the uncontrolled spread of a wildfire.

The project proposes the development of a senior living community with a subterranean parking garage, and utility and landscaping improvements in an area characterized by commercial, industrial, and residential uses. As such, the project itself would not exacerbate wildfire risks as compared to existing conditions because it is representative of existing development in the area and is replacing an existing fully developed commercial use. Further, the project site is not located in or near an SRA or lands classified as VHFHSZ. Therefore, due to the lack of slopes on site and other factors, the proposed project would not exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. No

mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

c) *Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?*

**No Impact.**

The proposed project does not require the installation or maintenance of associated infrastructure (including roads, fuel breaks, emergency water sources, power lines, or other utilities) that would exacerbate fire risk or that would result in impacts to the environment. Although the project includes the development of a senior living community, the project does not include any changes to public or private roadways that would exacerbate fire risk or that would result in impacts to the environment. Although utility improvements, including domestic water, sanitary sewer, and storm drain lines, proposed as part of the project would be extended throughout the project site, these utility improvements would be underground and would not exacerbate fire risk. Project design and implementation of utility improvements would be reviewed and approved by the City's Public Works Department and the HBFD as part of the project approval process to ensure the proposed project is compliant with all applicable design standards and regulations. Therefore, no project-related impacts are anticipated, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

d) *Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?*

**No Impact.**

**Landslides**. Landslides and other forms of mass wasting, including mudflows, debris flows, and soil slips, occur as soil moves downslope under the influence of gravity. Landslides are frequently triggered by intense rainfall or seismic shaking but can also occur as a result of erosion and downslope runoff caused by rain following a fire. As previously discussed in Section 4.7, Geology and Soils, Response 4.7(a)(iv), landslides and other forms of slope instability do not represent a significant hazard to the proposed project because the site is located in a relatively flat area, and there is no evidence of landslides in the project vicinity. Additionally, the project site does not lie within a designated Landslide Hazard Zone. The proposed project would not exposure people or structures to significant risks, such as landslides, as a result of runoff, post-fire slope instability, or drainage changes. Therefore, the proposed project would not result in impacts to project occupants related to post-wildfire landslide risks, and no mitigation is required.

**Flooding**. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), the project site is not within a 100-year floodplain. As established in Section 4.10, Hydrology and Water Quality, during project construction, soil would be exposed and disturbed, and drainage patterns would be temporarily altered due to grading, and there would be an increased potential for flooding compared to existing conditions. With the implementation of Standard Condition WQ-1, the proposed project would incorporate site design BMPs, which would be included into the project design to reduce runoff. In addition, compliance with the proposed operational BMPs would ensure on-site storm drain facilities would be adequately sized to

accommodate stormwater runoff from the project site so that on-site flooding would not occur. Operation of the proposed project would not expose people or structures to significant risks, including downslope or downstream flooding. The proposed project would not exposure people or structures to significant risks, such as flooding, as a result of runoff, post-fire slope instability, or drainage changes. Therefore, the proposed project would not result in impacts to project occupants related to post-wildfire flooding risks, and no mitigation is required. **This topic will not be analyzed further in the EIR unless new information identifying it as a potentially significant impact is presented during the scoping process.**

## 4.21 MANDATORY FINDINGS OF SIGNIFICANCE

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

**Impact Analysis:**

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

**Potentially Significant Impact.**

It is unlikely that the proposed project would substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a

rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory due to the previous development of the project site.

The project site is currently fully developed with two commercial buildings and an associated parking lot. The project site is located within an urbanized area of the City, as the entirety of the surrounding vicinity has been previously developed. There are no native habitats within the project site with the potential to support sensitive plant and animal species. The project site does, however, contain ornamental landscaping and non-native trees, which could potentially support nests and roosting for bird species that are protected by the MBTA. Disturbing or destroying active nests that are protected is a violation of the MBTA. In addition, nests and eggs are protected under California Fish and Game Code Section 3503. Adherence to Standard Condition BIO-1, as detailed in Section 4.4, Biological Resources, would ensure that the project complies with the MBTA. Additionally, Standard Condition BIO-1 requires nesting bird surveys, if any vegetation or tree removal occurs between February 1 and August 31, to reduce potential project impacts related to migratory birds. With implementation of Standard Condition BIO-1, potential impacts to biological resources would be less than significant.

Geologic mapping of the project site indicates that Pleistocene sediments may be located at or near the surface. Pleistocene sites nearby the project site have produced vertebrate and invertebrate fossils. Therefore, there is a probability that near surface excavation at the project site could produce Pleistocene fossil materials, and such materials would be considered to be significant paleontological resources. **This topic will be analyzed further in the EIR.**

Ground-disturbing activities for the project are not expected to exceed approximately 13 feet bgs. Soils on the project site have been disturbed previously from development of the existing buildings and parking lot on site, and any unknown archaeological resources would have likely been unearthed at the time of the previous disturbance on the project site. However, new ground-disturbing activities associated with project construction activities could have the potential to unearth previously unknown archaeological resources. An archaeological records search request has been submitted to the SCCIC at CSU Fullerton for the proposed project. The results of the records search are still pending and will be provided in the EIR along with an analysis of impacts to potential archaeological resources. In the unlikely event that human remains are discovered on the project site, Standard Condition CUL-1, as provided in Section 4.5, Cultural Resources, requires notification of the proper authorities and adherence to standard procedures for the respectful handling of human remains. The proposed project may result in the discovery of unknown cultural resources and, therefore, potentially significant impacts may occur. **This topic will be analyzed further in the EIR.**

b) *Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)*

**Potentially Significant Impact.**

The proposed project, when considered in conjunction with other approved or pending projects within the City, could potentially result in cumulatively considerable impacts. Due to the potentially significant impacts identified in various sections (including Sections 4.1, Aesthetics, 4.3, Air Quality; 4.5, Cultural Resources; 4.6, Energy; 4.7, Geology and Soils; 4.8, Greenhouse Gas Emissions; 4.11, Land Use and Planning; 4.13, Noise; 4.18, Tribal Cultural Resources; and

4.19, Utilities and Service Systems), cumulatively considerable impacts could result from implementation of the proposed project. As such, the EIR will assess the potential for the proposed project to contribute to cumulative impacts for each of these environmental topics, and mitigation will be proposed, if necessary. **Therefore, these topics will be analyzed further in the EIR.**

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

**Potentially Significant Impact.**

The potential for the proposed project to have substantial adverse effects on human beings, either directly or indirectly, will be evaluated in the EIR. A significant impact may occur if environmental effects related to the proposed project could cause substantial direct or indirect adverse impacts to human beings as described in the checklist responses. Refer to Response 4.21(b), above, for a reference to all sections contained in this Initial Study that may have a potentially significant impact as a result of the proposed project. **This topic will be analyzed further in the EIR.**

# 5.0 EARLIER ANALYSIS/SOURCE LIST

Earlier analyses may be used where, pursuant to tiering, a program EIR, or other CEQA process, one or more effects have been adequately analyzed in an earlier EIR or negative declaration (Section 15063 (c)(3)(D)). Earlier documents prepared and utilized in this analysis, as well as sources of information are as follows:

| Reference # | Document Title | Available for Review at: |
|---|---|---|
| 1 | City of Huntington Beach General Plan | City of Huntington Beach Community Development Department, 2000 Main Street, Huntington Beach and at: http://www.huntingtonbeachca.gov/Government/Departments/Planning/gp/index.cfm |
| 2 | City of Huntington Beach Zoning and Subdivision Ordinance | City of Huntington Beach City Clerk's Office, 2000 Main Street, Huntington Beach and at: http://www.huntingtonbeachca.gov/government/elected_officials/city_clerk/zoning_code/index.cfm |
| 3 | City of Huntington Beach Municipal Code | City of Huntington Beach City Clerk's Office, 2000 Main Street, Huntington Beach and at: http://www.huntingtonbeachca.gov/government/charter_codes/municipal_code.cfm |
| 4 | Geotechnical Investigation (April 2022) | Appendix A |
| 5 | Phase I Environmental Site Assessment (Phase I ESA) (April 2021) | Appendix B |
| 6 | Limited Site Investigation (June 2021) | Appendix C |
| 7 | Soil Management Plan (January 2022) | Appendix D |
| 8 | Preliminary Hydrology Study (Revised September 2022) | Appendix E |
| 9 | Preliminary Water Quality Management Plan (Preliminary WQMP) (Revised April 2022) | Appendix F |

# 6.0 REFERENCES


California Department of Conservation (DOC). 2018. Orange County Important Farmland. Website: https://www.conservation.ca.gov/dlrp/fmmp/Pages/Orange.aspx (accessed July 6, 2022).

_____. 2019. Website: https://www.conservation.ca.gov/dlrp/wa/Pages/stats_reports.aspx (accessed July 6, 2022).

California Department of Conservation (DOC). Orange County Tsunami Hazard Area. Website: https://www.conservation.ca.gov/cgs/tsunami/maps/orange (accessed July 2022).

California Department of Water Resources (DWR). 2016. SGMA Basin Prioritization Dashboard, Groundwater Basins 2016. Website: https://gis.water.ca.gov/app/bp-dashboard/p2/ (accessed July 26, 2022).

California Environmental Protection Agency (CalEPA). Sites Identified with Waste Constituents above Hazardous Waste Levels Outside the Waste Management Unit. Website: https://calepa.ca.gov/wp-content/uploads/sites/6/2016/10/SiteCleanup-CorteseList-CurrentList.pdf (accessed September 29, 2021).

_____. Cortese List Data Resources. Website: https://calepa.ca.gov/sitecleanup/corteselist/section-659 62- 5a/ (accessed July 27, 2022).

California Department of Finance. 2022. Website: https://dof.ca.gov/forecasting/Demographics/ (accessed July 2022).

California Department of Resources Recycling and Recovery (CalRecycle). 2019. Solid Waste Information System (SWIS). Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2767?siteID=2103 (accessed August 15, 2022).

California Department of Toxic Substances Control (DTSC). EnviroStor Database. Website: https://www.envirostor.dtsc.ca.gov/public/map/?global_id=19970011 (accessed July 27, 2022).

California Emissions Estimator Model (CalEEMod). 2022. Compiled by LSA, September 2022.

City of Huntington Beach. 2022. Bolsa Chica Senior Living Community Draft Specific Plan. July 2022.

City of Huntington Beach. 2017. General Plan Update.

_____. 2017. Local Hazard Mitigation Plan.

_____. 2021. Fiscal Year 2021/2022 Adopted Budget.

_____. 2022. Fiscal Year 2022/2023 Adopted Budget.

_____. 2022. Sewer System Management Plan.

_____. About HB Police Department. Website: https://www.huntingtonbeachca.govgovernment/departments/pd/about-us/ (accessed July 27, 2022).

_____. Fire Operations. Website: https://www.huntingtonbeachca.gov/government/departments/fire/fire_operations/ (accessed July 27, 2022).

Governor's Office of Planning and Research (OPR). 2005. *Tribal Consultation Guidelines, Supplement to General Plan Guidelines*. April 15, 2005. Website: https://www.parks.ca.gov/pages/22491/files/tribal_consultation_guidelines_vol-4.pdf 9 (accessed January 2, 2020).

_____. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December.

Institute of Transportation Engineers (ITE). 2017. *Trip Generation Manual*, 11th Edition.

KHR Associates. 2022. *Preliminary Hydrology Study*. September.

_____. 2022, Revised April 2022. *Preliminary Water Quality Management Plan* (WQMP).

Langan. 2022. *Preliminary Geotechnical Site Evaluation Bolsa Chica Senior Community* (Geotechnical Investigation). April.

OC Waste and Recycling. Frank R. Bowerman Landfill. Website: http://www.oclandfills.com/landfill/active/bowerman (accessed August 15, 2022).

Orange County Transportation Authority (OCTA). 2016. Natural Community Conservation Plan/Habitat Conservation Plan.

Orange County Water District. 2022 Update. Basin 8-1 Alternative. January 1, 2022.

South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. April.

Southern California Edison (SCE). 2021. Fact Sheets. Website: https://newsroom.edison.com/fact-sheets/fs (accessed July 2022).

Santa Ana Regional Water Quality Control Board (RWQCB). 1995. The Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin (updated June 2019 to include approved amendments).

State Water Resources Control Board (SWRCB). GeoTracker database. Website: https://geotracker.waterboards.ca.gov/map/ (accessed September July 27, 2022).

Terracon Consultants Inc. 2021. *Limited Site Investigation.* June 1, 2021.

Terracon Consultants Inc. 2021. *Phase I Environmental Site Assessment Report* (Phase I ESA). April 2, 2021.

Terracon Consultants Inc. 2022. *Soil Management Plan*. January 17, 2022.

United States Census Bureau. 2020. 2017 Economic Census for Health Care and Social Assistance. Website: https://www.census.gov/data/tables/2017/econ/economic-census/naics-sector-62.html (accessed July 20, 2022).

# APPENDIX A

# GEOTECHNICAL INVESTIGATION
# (April 2022)

14 April 2022

Mr. Ben Morrison
Hines
444 S. Flower Street, Suite 2100
Los Angeles, California 90071

**Re: Geotechnical Site Evaluation**
**Bolsa Chica Senior Living Community**
**Huntington Beach, California**
**Langan Project No.: 700101401**

Dear Mr. Morrison:

As requested by Hines Langan Engineering and Environmental Services, Inc., (LANGAN) has completed a geotechnical site evaluation for property at the southwest corner (SWC) of Warner Avenue and Bolsa Chica Street, Huntington Beach, California.

This letter report presents a summary of the items listed below:

- Our understanding of the existing site conditions and the proposed development,
- Geological and geotechnical information publicly available,
- Subsurface investigation,
- Anticipated geologic conditions and seismic hazards, and
- Our preliminary comments and recommendations regarding the geotechnical feasibility and construction considerations for the proposed development.

Our recommendations were prepared in accordance with the 2019 California Building Code (CBC) and Orange County Geotechnical Guidelines.

## PROJECT OVERVIEW

### Existing Site Description

The Site is an approximately 2.7 acre site on the southwest corner of Warner Avenue and Bolsa Chica Street, in Huntington Beach. The site is currently occupied by a two story wood frame commercial buildings and at grade parking. The Site is surrounded by housing developments on the west, a commercial development on the south, Warner Avenue to the north, and Bolsa Chica Street to the east (Figure 1).

### Proposed Development

Based on the project description which we received on February 2022, we understand the proposed development is a five-story senior living community that will built on top of a single level subterranean parking garage.

## AVAILABLE INFORMATION REVIEW

Information that LANGAN reviewed included reports, maps, and other publicly available information from the United States Geological Survey (USGS), California Geological Survey (CGS), City of Huntington Beach, Federal Emergency Management Agency (FEMA), and our files.

A summary of the available information reviewed is provided in the sections below.

## Regional and Local Geology

The site is situated along the southwesterly margin of the Orange County Coastal Plain, a relatively broad lowland area that was formed through alluvial aggradations and the formation of coalescing alluvial fans which were deposited along the ancestral Santa Ana River during late Quaternary time. The Coastal Plain is bounded on the northeast by an alignment of highland areas and foothills (including the Puente and Coyote Hills), and on the southwest by a succession of low coastal hills and mesas that are topographic expressions of deformation along the Newport-Inglewood structural zone. Between these coastal topographic highs occur a total of six gaps through which continuations of the central lowland extend to the Pacific Ocean shoreline.

Published regional geologic information indicates that the subject site is underlain by old shallow marine (terrace) deposits (map symbol Qom, Saucedo et al, 2016). These deposits are reportedly late to middle Pleistocene in age. The terrace deposits are in turn underlain by marine and littoral sedimentary bedrock of the Lakewood and San Pedro Formations.

The referenced literature indicates that the old shallow marine deposits beneath the site consist generally of poorly sorted, moderately permeable, reddish-brown, interfingered strandline, beach, estuarine, and colluvial deposits.

## Geologic Hazards Review

Our geologic hazard review was performed in general accordance with CGS Special Publication 117A, "Guidelines for Evaluating and Mitigating Seismic Hazards in California" (2008). The following subsections present the results of our hazard review.

### Regional Faulting

Recognized and mapped faults that are located within a 100-kilometer (km) radius of the site, according to the "2014 USGS National Seismic Hazards Maps," are shown on Figure 2. The closest known fault to the site is the Newport-Inglewood alt 2 approximately 0.84 miles east of the site. The next closest faults are the Newport-Inglewood alt 1 Fault approximately 1.03 miles north of the site and the Compton Fault approximately 4.1 miles north of the site.

The site is in an active seismic area that has historically been affected by generally moderate to occasionally high levels of ground motion. Therefore, the proposed development will likely experience moderate to occasionally high levels of ground motion from nearby faults and other active seismic areas of the southern California region. A summary of the reported earthquake events are provided in Appendix A.

### Regional Seismicity

A search of the Uniform California Earthquake Rupture Forecast (UCERF3), accessed on 07 July 2021, using a web-based Earthquake Archive Search and URL Builder tool, found that 55 earthquakes with magnitudes greater than 5.0 have occurred within a 100-km radius of the site since 1900. A summary of the reported earthquake events are provided in Appendix A.

### Surface Rupture

Earthquake Fault Zones are regulatory zones delineated by CGS around active faults with the potential to cause surface rupture. The zones average approximately ¼-mile wide. A review of the Seismic Hazard Zone Map with the Earthquake Zones Map of Required Investigation revised on 1 January 2018 and the 2017 "City of Huntington Beach Geologic Hazards" indicates that the site is not within a mapped, currently established Alquist-Priolo Special Study Zone or a Fault

Rupture Study Area (Figure 3).

Liquefaction

Liquefaction is a transformation of soil from a solid to a liquefied state during which saturated soil temporarily loses shear strength resulting from the buildup of excess pore-water pressure, especially during earthquake-induced cyclic loading. Flow failure, lateral spreading, differential settlement, loss of bearing, ground fissures, and sand boils are evidence of excess pore-pressure generation and liquefaction. Soil susceptible to liquefaction includes loose to medium-dense sands and gravels, low-plasticity silts, and some low-plasticity clay deposits below the groundwater table. According to Seismic Hazard Zone Report 020 and the 2017 "City of Huntington Beach Geologic Hazards" map, the site is mapped, in a "low" liquefaction-potential investigation zone (Figure 3).

Landslides

A review of the 2017 "City of Huntington Beach Geologic Hazards" map and Seismic Hazard Zone Report 020 indicates that the site is not within a mapped, currently established zone of landslide occurrences or areas of significant grading (Figure 3).

Historical High Groundwater

As noted above, the presence of groundwater may increase the susceptibility to liquefaction for loose to medium granular soils, low-plasticity silts and some clays when subjected to sufficient ground shaking. The Seismic Hazard Zone Report 020 indicates that the site's historically highest groundwater is approximately 30 feet below existing grade (Figure 4).

Seismically-Induced Ground Deformations

Seismically induced ground deformations include ground-surface settlement and differential settlement resulting from liquefaction-induced ground deformation and cyclic densification of unsaturated sands and gravels from earthquakes. As discussed above, the site is not within a mapped liquefaction-hazard investigation zone. Therefore, liquefaction-induced settlement of soils below the groundwater table is not an anticipated hazard. Based on subsurface condition, cyclic densification of dry sands above the groundwater is not anticipated seismic hazard at the site.

Lateral Spreading

Lateral spreading is a phenomenon in which surficial soil displaces along a shear zone that has formed within an underlying liquefied layer. The surficial blocks are transported downslope or in the direction of a free face, such as a slope, by earthquake and gravitational forces. Lateral spreading is not anticipated at this site.

Flood Mapping

A review on the FEMA Flood Insurance Rate Map (FIRM) Number 06059C0233K (21 March 2019) indicates that the site is within Zone X, defined as an "area of minimal flood hazard" (Figure 5). Additionally, the 2017 City of Huntington Beach Local Hazard Mitigation Plan indicates that the site is outside the flood zone.

Tsunami and Seiche

A tsunami is a long, high sea wave based by an earthquake, submarine landslide, or other disturbances. A seiche is an oscillation of surface water in an enclosed or semi-enclosed basin

such as a lake, bay, or harbor. According to information and maps available from CGS and the City of Huntington Beach Tsunami Inundation Zone, the site is not within a mapped tsunami-inundation hazard zone or flood-control basin (Figure 6).

Subsidence

Land subsidence may be induced from withdrawal of oil, gas, or water. Subsidence, primarily due to groundwater pumping, is a concern in Huntington Beach, however the rate of subsidence from pumping has declined significantly over the years. According to the City of Huntington Beach Local Hazard Mitigation Plan (2017), maximum subsidence rate in the City is approximately 0.8 inches per year, with highest levels near the coast. This site is located in a zone where significantly lower subsidence levels, approximately -0.1 to -0.2 inches, of regional subsidence per year (Figure 7) have been recorded. The groundwater level at the site is deeper than the proposed excavation, so dewatering is not anticipated. Therefore, regional effects of subsidence will be accounted for in the design of the site, this project is not anticipated to induce local ground subsidence.

Expansive Soils

Expansive soils occur when the moisture content in the soil causes swelling or shrinking as a result of cyclic wet/dry weather cycles, installation of irrigation systems, change in landscape plantings, or changes in grading. Swelling and shrinking soils can result in differential movement of structures including floor slabs and foundations, and site work including hardscape, utilities, and sidewalks. The 2019 CBC defines potentially expansive soils as soils with expansion indices (EI) greater than 20. Additional information and recommendations are included in our Preliminary Geotechnical Evaluations section of this report.

## SUBSURFACE INVESTIGATION

### Geotechnical Exploration

Our geotechnical subsurface exploration program consisted of three hollow-stem auger (HSA) borings (identified as LB-1, LB-2, and LB-3) where LB-2 was drilled to approximately 51.5 feet and LB-1 to approximately 38 feet, and LB-3 were drilled to approximately 36.5 feet. Prior to drilling, the boring location was marked out by a LANGAN field engineer. Underground Service Alert of Southern California (USA/DigAlert) was contacted to locate and mark known public underground utilities within the public right-of-way. A private utility-locating subcontractor also confirmed that the boring locations were clear of conductive underground utilities. Refer to Figure 8 for approximate boring location.

Borings LB-1, LB-2 and LB-3 were drilled by Martini Drilling, on 25 June 2021 using a truck-mounted drill rig under the full-time observation of a Langan field engineer. The boring was hand-augered to a depth of approximately 5 feet and subsequently advanced with the drill rig using conventional drilling techniques. Standard Penetration Tests (SPT)[1] and California Modified Ring sampling were generally performed at 5-foot intervals until boring termination depth, following the guidelines of ASTM D1586 and ASTM D3550. California Modified Ring samples were collected at select locations using a 3.0-inch-outer-diameter split-barrel California sampler lined

[1] The Standard Penetration Test is a measure of the soil density and consistency. The SPT N-value is defined as the number of blows required to drive a 2-inch outer diameter split-barrel sampler 12-inches, after an initial penetration of 6 inches, using a 140-pound automatic hammer free falling of a height of 30 inches (ASTM D1586).

with 2.42-inch-inner-diameter brass rings. SPT N-values were recorded to identify the relative density and stiffness of the cohesionless and cohesive soils, respectively.

Upon completion, the boring was backfilled via tremie method with cement-grout slurry to near ground surface, and the surface was patched with quick-dry set concrete. Excess soil cuttings generated during drilling were temporarily stored on site in Department of Transportation (DOT) approved 55-gallon drums for subsequent characterization and disposal. Excess soil cuttings encountered are pending characterization and disposal.

Retrieved soil samples were visually examined and classified in the field following the Unified Soil Classification System (USCS) and confirmed by re-examination in our office. A copy of the boring logs is provided in Appendix B.

### Laboratory Testing

Select representative soil samples retrieved from the borings were delivered to a geotechnical laboratory to determine the sample's physical and engineering index properties. Our laboratory test program included the following analyses:

- Moisture Content (ASTM D2216)
- Unit Weight (ASTM D7623)
- Direct Shear (ASTM D3080)
- Expansion Index (ASTM D4829)
- Percent Fines (ASTM D1140)
- Corrosion Testing (pH, sulfate, chloride, minimum resistivity)

Copies of the laboratory test results are provided in Appendix C.

## SUBSURFACE CONDITIONS

Based on our field investigation and interpretation of laboratory tests, the site is generally underlain by fill underlain by alluvial deposits. Details of the subsurface conditions encountered in our boring are summarized below.

- **Fill:** LB-1 was measured to have 3 inches of asphalt and 8 inches of aggregate base, LB-2 was measured to have 1.5-inches of asphalt and 5.5 inches of aggregate base, and LB-3 was measured to have 2.5 inches of asphalt and 4.5 inches of aggregate base. Below the asphalt, we encountered up to 8 feet of undocumented fill, consisting of clay with varying amounts of fine sand and gravel.
- **Terrace Deposits:** Terrace deposits were encountered in LB-1 through LB-3 to the maximum explored depth of 51.5 feet, consisting of medium dense to dense fine sands with varying amounts of silts and clays extending to about 23 to 25 feet below ground surface. Beneath the sand was firm to very stiff clay with trace fine sands extending to approximately to 35' on LB-1 and LB-3. Under the LB-1 and LB-3 clay layer, the final samples encountered medium dense to dense fine sand with some clay. LB-2, however, encountered medium dense sand layers with varying levels of silt and clay closer to the surface in the 30' and 35' samples. Beneath these sand layers a stiff clay layer with some fine sand extended to approximately 51 feet below the ground surface. A medium dense sand layer with some clay was encountered at the bottom of the last sample at 51 feet. The upper sandy samples had SPT blow counts between 10 and 29 with a higher value

of 74 blows for 11.5 inches in LB-2. The middle clay layer had SPT blowcounts of 9 to 37. The middle sandy layers in LB-2 had blowcounts of 18 to 33. The lower clay layers in LB-2 had blowcounts of 14 to 24.

- **Groundwater:** Groundwater was first encountered at the depth of 46.2 feet and measured 15 minutes later at 44.7 feet below grade on LB-2. Groundwater was not detected on LB-1 and LB-3.

## PRELIMINARY GEOTECHNICAL EVALUATION

Based on our field exploration, limited soil tests, and review of available documents, the soils at the proposed foundation level are suitable for support of the proposed structure. The proximity of neighboring structures and streets will need to be considered during design and construction.

Presented below are preliminary comments and recommendations based on the available geotechnical information reviewed to date. Confirmatory geotechnical subsurface investigation, laboratory tests, analysis, and evaluation should be performed to confirm recommendations provided in this letter report.

### Seismic Design Parameters

Preliminary seismic design parameters in accordance with the 2019 California Building Code and ASCE 7-16 are listed below. The seismic design criteria assumes the structure meets the exceptions of ASCE 7-16 Chapter 12.

| Type | Value | Description |
|---|---|---|
| $S_S$ | 1.454 | $MCE_R$ mapped spectral response acceleration at short period |
| $S_1$ | 0.528 | $MCE_R$ mapped spectral response acceleration at one-second period |
| $F_a$ | 1.2 | Site Amplification Factor at 0.2 second |
| $F_v$ | 1.52 | Site Amplification Factor at 1.0 second |
| $S_{MS}$ | 1.746 | Site-modified spectral acceleration at short period |
| $S_{M1}$ | 0.802 | Site-modified spectral acceleration at one-second period |
| $S_{DS}$ | 1.164 | Design earthquake spectral response acceleration at short period |
| $S_{D1}$ | 0.535 | Design earthquake spectral response acceleration at one-second period |
| $PGA_M$ | 0.634 | MCE geometric mean peak ground acceleration adjusted for site class effects |

**Notes:**
1. Values based on Site Class D - Default.
2. MCE = Maximum Considered Earthquake
3. $MCE_R$ = Risked-Targeted Maximum Considered Earthquake

Based on deaggregation of the probabilistic seismic hazard spectrum from the USGS Unified Hazard Tool, the mean and modal earthquakes for the 2% probability of exceedance in 50 years (2,475-year return period) event are 6.88 and 7.3 moment magnitudes, respectively.

Seismic design parameters were determined for a Site Class D, assuming that the proposed structures have fundamental periods of vibration equal to or less than 0.5 seconds.

The structural engineer should confirm the structural fundamental period of vibration and the seismic design approach. The structural engineer should provide the fundamental period of vibration to LANGAN and confirm if Exception No. 2 of Section 11.4.8 of ASCE 7-16 and if simplified design procedures in accordance with Section 12.14 of ASCE 7-16 will be used for seismic design. If the exception is not being used a site-specific seismic site response analysis will be required for final design.

**Foundation Recommendations**

Based on our experience with similar projects, we expect approximately 15 feet of overburden removal for the construction of the below-grade parking garage and individual column loads of 300 to 500 kips are expected.

A shallow foundation system (spread or continuous footings) bearing on properly prepared and compacted subgrade can be designed with a preliminary bearing pressures of 3,000 to 4,000 pounds per square foot (psf). Recommended allowable bearing values including both dead and live loads, and may be increased by one-third for transient loads such as wind or seismic forces.

Recommended allowable bearing values including both dead and live loads, and may be increased by one-third for transient loads such as wind or seismic forces.

**Permanent Below-Grade Walls**

Below-grade walls for the proposed one-level parking garage are presumed to be fixed against rotation. Retained soils behind the below-grade walls are expected to be greater than 6 feet in height and should be designed for seismic loading conditions. Additionally, surcharge loading along the walls should consider adjacent structures, streets, vehicular traffic, and sidewalks.

The below-grade walls along the west and south side of the property should be designed to withstand lateral loading from neighboring foundations. Surcharge loading should be considered where the neighboring building foundations are supported on material above a one horizontal to one vertical (1H:1V) theoretical influence line extending upward along the respective foundation walls. Lateral loading from neighboring building foundations need not be considered if these foundations are supported outside the aforementioned influence line.

The below-grade walls along the north and east sides of the property should be designed to consider surcharges from adjacent streets, vehicular traffic, and sidewalks. Where vehicular traffic will pass within 10 feet of walls, traffic loads should be considered in the design of walls.

**Expansive Soil Considerations**

Potentially expansive soils are defined by the CBC 2019 as soils with expansion indices (EI) of greater than 20. Expansive soils swell or shrink when the moisture content of the soil changes. A soil's moisture content can change through cyclic wet/dry weather cycles, variations in the groundwater level, installation of irrigation systems, change in landscape plantings, and changes in site grading. Leaking utilities can also drastically change soil moisture content. Expansion index testing of the near-surface material indicates the soil exhibits a "medium" expansion potential (EI of 51).

The site should be designed to promote positive drainage away from the pavements and landscaping should consist of mainly drought-tolerant native planting that requires limited irrigation. Confirmatory expansion index testing should be performed in a design-level final geotechnical investigation to confirm expansion potential of soils near proposed foundation level.

### Corrosion Considerations

Chemical analyses performed on select samples obtained in the upper 5 feet across the site are summarized in Table 1 below.

**Table 1 – Chemical Analytical Results**

| Date of Investigation | Sample | Depth (feet) | Resistivity (ohm-cm) | pH | Soluble Sulfate (ppm) | Chloride (ppm) |
|---|---|---|---|---|---|---|
| 25 June 2021 | LB-2/ Bulk | 1 - 5 | 540 | 7.8 | 130 | 45 |

**Notes**:
1. ppm = parts per million
2. NT = not tested for the select sample

According to our review of the minimum resistivity, pH, soluble sulfate, and chloride contents on the select soil samples, the surficial soil is considered class S0 (low sulfate concentration in contact with concrete) and corrosive to ferrous metals (ANSI/AWWA Standard C105/A21.5, ACI 318-19 and ASTM A674).

All subsurface structures and utilities in contact with the native soils should be protected against corrosion. Based on the samples collected to date, ACI 318-14 classified the soil as Exposure Class S0 for sulfate and Exposure Class C1 for chloride. A corrosion expert should be consulted if metal pipe is proposed to be in contact with soil. Based on the laboratory data summarized here, ACI 318-14 requires that concrete should be designed using Type II cement (ASTM C150), a maximum water-to-cement ratio of 0.5, and a minimum specified compressive strength (f'c) of 4,000 pounds per square inch (psi). A copy of the corrosion results is provided in Appendix C.

Confirmatory corrosion testing should be performed in a design-level final geotechnical investigation to confirm corrosivity of native soils at proposed foundation level.

## CONSTRUCTION CONSIDERATIONS

### Temporary Excavation Support

Based on the anticipated depths and limits of proposed excavation for the below-grade parking garage, temporary excavation support and will be required and will need to be constructed in accordance with CAL-OSHA requirements and City of Huntington Beach Building Code. At this time, we do not have project-specific information to provide preliminary parameters for the design of the shoring system. In areas where sloped excavations cannot be performed, 2H:1V maximum (Horizontal:Vertical), we recommend the shoring system use soldier beams and lagging.

Deflection at the top of the excavation support system will be a function of the design and sequence of installation. Any temporary shoring system should be designed to limit deflections adjacent to existing public streets and neighboring buildings, but in no case should deformations be such that cause damage or loss of support to areas, structures, and utilities beyond the excavation.

### Site Drainage

Proper drainage should be maintained at all times. Ponding or trapping of water in localized areas can cause differing moisture levels in the subsurface soil. Drainage should be directed away from the tops of slopes. Erosion protection and drainage control measures should be implemented during periods of inclement weather. Shallow perched water may be encountered

at the site depending on seasonal rainfall. During rainfall events, backfill operations may need to be restricted to allow for proper moisture control during fill placement.

## RECOMMENDED FUTURE STUDIES

Comments and preliminary recommendations provided herein are based on a review of publicly available documents and geotechnical information pertaining to the site and our subsurface investigation. At this time, we recommend performing the following supplemental studies:

- A design level geotechnical exploration and laboratory testing program to confirm the following:
    - Consistency of geotechnical conditions across the site,
    - Confirm the preliminary geotechnical recommendations,
    - Perform infiltration testing if required,
    - Confirm the magnitude of cyclic densification, and
    - A document search for adjacent structure foundations.

## LIMITATIONS

This report has been prepared to assist Hines in their preliminary evaluation of the proposed senior living development of the property at 4952 Warner Ave in Huntington Beach, California. The conclusions and recommendations provided in this report are preliminary and based on publicly available information performed by others, which we have relied upon as being accurate and representative of the conditions at the site. A design-level geotechnical investigation study (including field and laboratory testing) are necessary to develop design and construction recommendations for the proposed development.

This report has been prepared to assist the client in preliminary evaluation of the site and is only applicable to the design of the specific project identified. The information in this report cannot be used or depended on by engineers or contractors who are involved in evaluations or designs of facilities (including underpinning, grouting, stabilization, etc.) on adjacent properties which are beyond the limits of that which is the specific subject of this report.

A review of environmental issues (such as potentially contaminated soil and groundwater) has not been performed as part of this study, and should be addressed in a separate study.

## CLOSURE

We appreciate the opportunity to have provided these services for this project. Should you have any questions regarding this letter, please feel free to contact us.

Sincerely,
**Langan Engineering and Environmental Services, Inc.**

Enrique A. Riutort, PE, GE
Senior Project Manager
GE 2683

Diane M. Fiorelli, PE, GE
Principal/Vice President
GE 3042

Enclosures: References
Figure 1 – Site Location Map
Figure 2 – Map of Major Faults and Earthquake Epicenters Proximity of Site
Figure 3 – Geologic Hazards Map
Figure 4 – Historical Groundwater Map
Figure 5 – Floor Insurance Rate Map
Figure 6 – Inundation Hazard Map
Figure 7 – Annual Subsidence Rates
Figure 8 – Boring Location Plan
Appendix A – Seismic Research Results
Appendix B – Boring Logs
Appendix C – Laboratory Test Results

\\langan.com\data\IRV\data4\700101401\Project Data_Discipline\Geotechnical\Reports\7001014001 Preliminary Geotechnical Investigation_ac.docx

## REFERENCES

American Society of Civil Engineers (2016). Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-16.

California Building Standards Commission (2019). California Building Code, California Code of Regulations, Title 24.

California Department of Conservation (2019). Geologic Map of California, dated 2010, accessed 4 March 2019.

California Department of Conservation, Division of Mines and Geology (DMG). *Seismic Hazard Zone Report for the Seal Beach 7.5-Minute Quadrangle, Los Angeles and Orange Counties, California*, revised17 January 2006 (SHZR 020).

California Geologic Survey (CGS) (2010), "Fault Activity Map of California", California Geologic Data Map Series, Map No. 6.

California Geological Survey (CGS) (2008) "Guidelines for Evaluating and Mitigating Seismic Hazards in California", Special Publication 117A, dated 2008.

California Geological Survey (CGS) (2002) "California Geomorphic Provinces", Note 36, dated 2002

California Geological Survey (CGS) (1999), "Earthquake Zones of Required Investigation Seal Beach Quadrangle",

Federal Emergency Management Agency (2019), National Flood Insurance Map Program, Flood Insurance Rate Map (FIRM) Map Number 06059C0233K, Panel 233, updated 21 March 2019.

Local Hazard Mitigation Plan (2017), City of Huntington Beach.

Saucedo, G.J., Greene, H.G., Kennedy, M.P., and Bezore, S.P., 2016, Geologic Map of the Long Beach 30' x 60' Quadrangle, California, Version 2.0, Regional Map Series, Scale = 1:100,000, 1 Sheet, California Department of Conservation, California Geological Survey.

# FIGURES

NOTES:

1. BACKGROUND IMAGE REFERENCED FROM BING MAPS ON 23 JUNE 2021.

LEGEND:

APPROXIMATE SITE LIMITS

500 250 0 500

SCALE IN FEET

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Figure Title
SITE VICINITY MAP

Project No. 700101401
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Scale 1" = 500'
Drawn By DJJS

Figure No. 1

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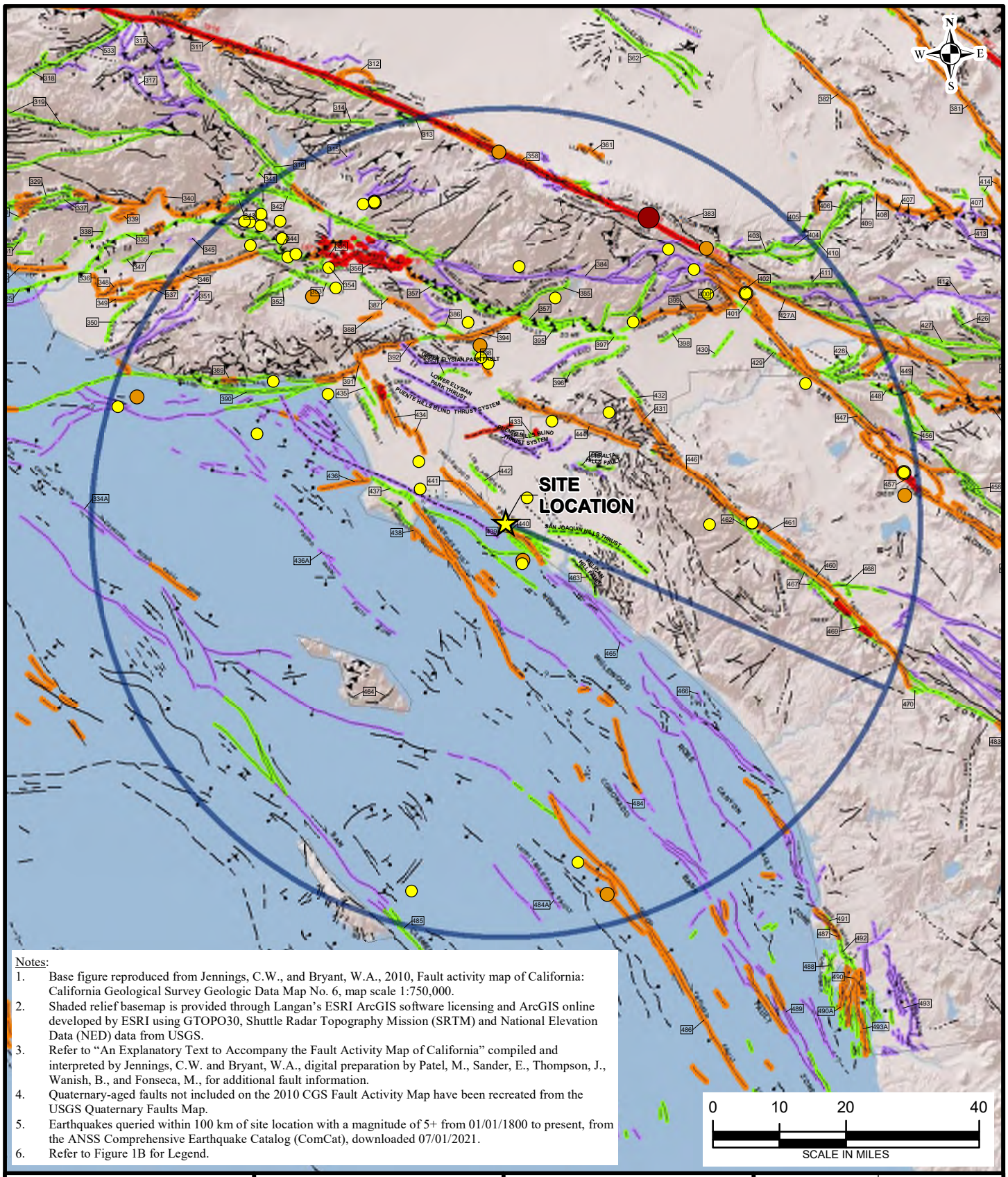


Notes:

1. Base figure reproduced from Jennings, C.W., and Bryant, W.A., 2010, Fault activity map of California: California Geological Survey Geologic Data Map No. 6, map scale 1:750,000.
2. Shaded relief basemap is provided through Langan's ESRI ArcGIS software licensing and ArcGIS online developed by ESRI using GTOPO30, Shuttle Radar Topography Mission (SRTM) and National Elevation Data (NED) data from USGS.
3. Refer to "An Explanatory Text to Accompany the Fault Activity Map of California" compiled and interpreted by Jennings, C.W. and Bryant, W.A., digital preparation by Patel, M., Sander, E., Thompson, J., Wanish, B., and Fonseca, M., for additional fault information.
4. Quaternary-aged faults not included on the 2010 CGS Fault Activity Map have been recreated from the USGS Quaternary Faults Map.
5. Earthquakes queried within 100 km of site location with a magnitude of 5+ from 01/01/1800 to present, from the ANSS Comprehensive Earthquake Catalog (ComCat), downloaded 07/01/2021.
6. Refer to Figure 1B for Legend.

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Figure Title
**QUATERNARY FAULT ACTIVITY AND EARTHQUAKE EPICENTER MAP**

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Date 14 APRIL 2022
Scale 1 inch = 20 miles
Drawn By OG
Figure 2A

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Path: \\langan.com\data\IRV\data4\700101401\Project Data\ArcGIS\MXD\Geotech_Figures\Fault Map.mxd Date: 4/15/2022 User: rfanous Time: 9:23:34 AM

**LEGEND:**

## Fault Age

The age classifications are based on geologic evidence to determine the youngest faulted unit and the oldest unfaulted unit along each fault or fault section

- Historic
- Holocene
- Late Quaternary
- Quaternary

## Earthquake Epicenter

- Magnitude 5.0 to 5.9
- Magnitude 6.0 to 6.9
- Magnitude 7.0 to 7.4
- Magnitude 7.5 to 8.0

## Pre-Quaternary Faults

- fault, certain
- fault, approx. located
- fault, concealed
- thrust fault, certain
- thrust fault, approx. located
- thrust fault, approx. located, queried
- fault, certain
- fault, concealed
- fault, approx. located

## Quaternary Faults

- fault, certain
- fault, approx. located
- fault, approx. located, queried
- fault, inferred, queried
- fault, concealed
- fault, concealed, queried
- thrust fault, certain
- thrust fault, approx. located
- thrust fault, concealed
- dextral fault, certain
- dextral fault, approx. located
- dextral fault, concealed
- sinistral fault, certain
- sinistral fault, approx. located
- sinistral fault, concealed
- thrust fault, certain (2)
- thrust fault, approx. located (2)
- thrust fault, concealed (2)
- fault, solid
- fault, dashed
- fault, dotted
- dextral fault, solid
- fault, dotted, queried
- fault, dotted, queried (2)
- fault, solid, dip
- fault, dashed, dip
- fault, dotted, dip
- reverse fault, solid
- reverse fault, dashed
- reverse fault, dotted

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|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | QUATERNARY FAULT ACTIVITY AND EARTHQUAKE EPICENTER MAP | 700101401<br>Date: 14 APRIL 2022<br>Scale: NOT TO SCALE<br>Drawn By: OG | 2B |

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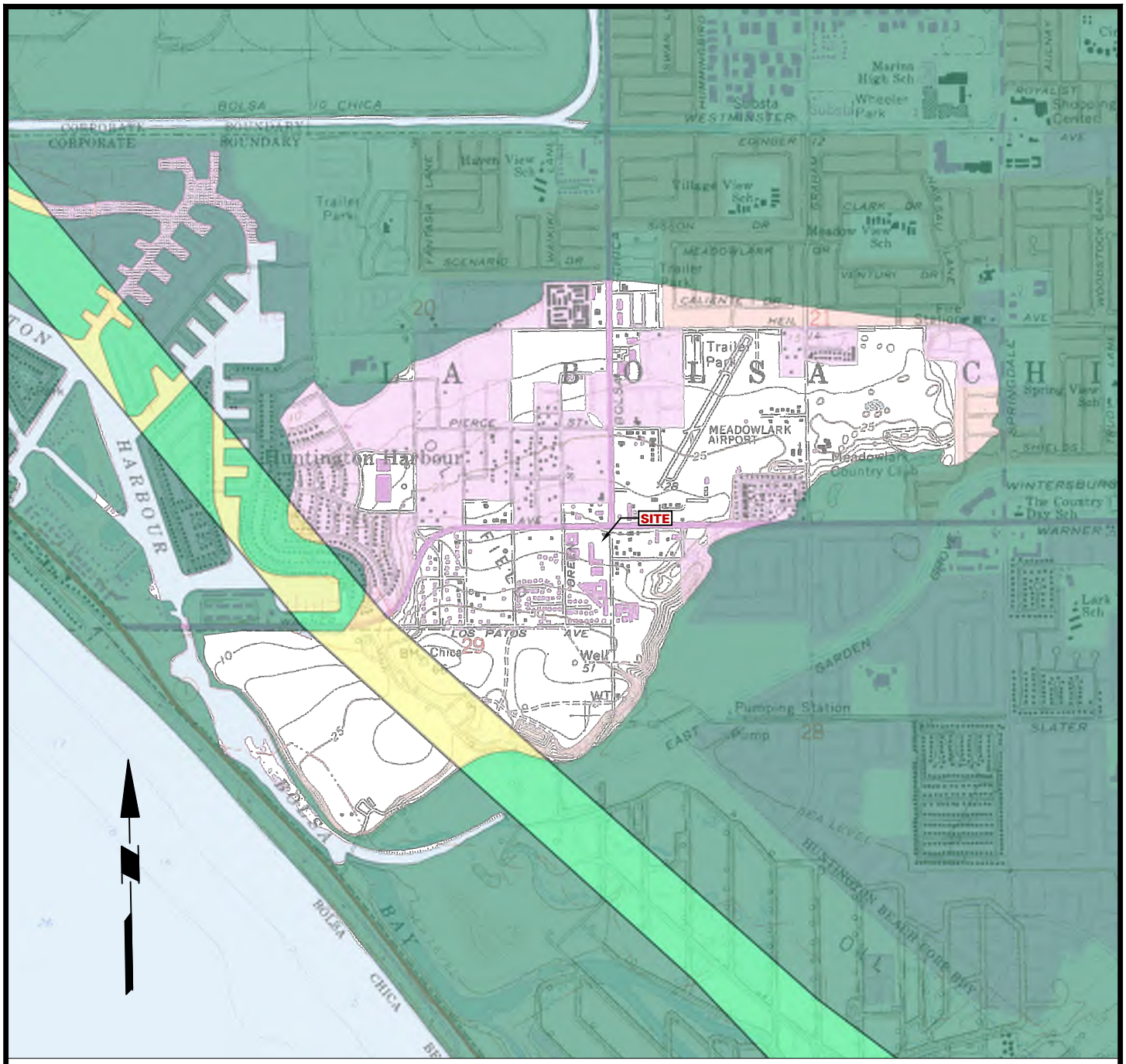


LEGEND:

SITE APPROXIMATE SITE LOCATION

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SCALE IN FEET

NOTES:

1. BACKGROUND REFERENCED FROM EARTHQUAKE ZONES OF REQUIRED INVESTIGATION SEAL BEACH QUADRANGLE, CALIFORNIA GEOLOGICAL SURVEY, DATED 25 MARCH 1999.


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Drawing Title

**GEOLOGIC HAZARDS MAP**

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| Drawn By | AC |
| Drawing No. | 3 |

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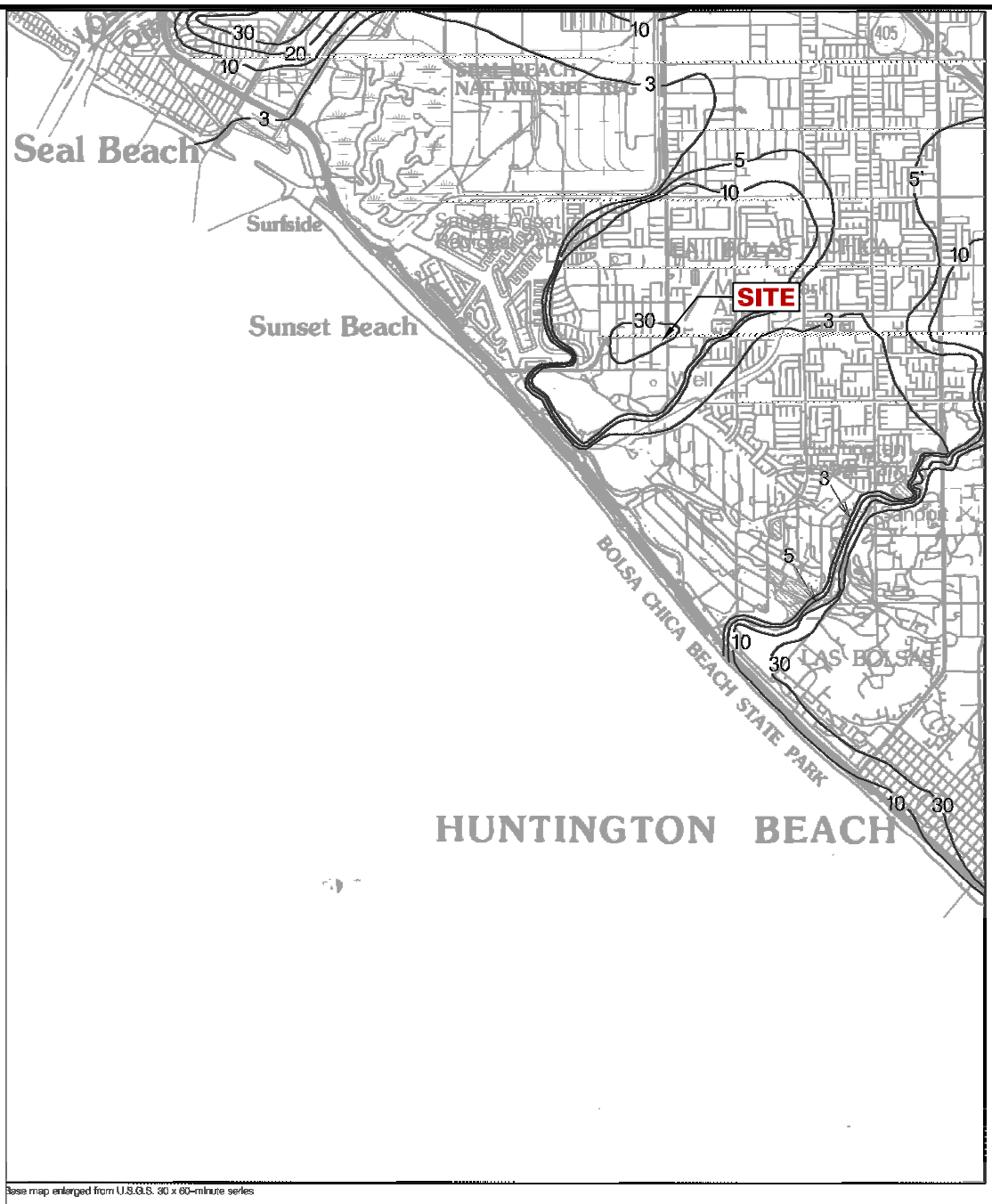


Base map enlarged from U.S.G.S. 30 x 60-minute series

Plate 1.2 Historically Highest Ground Water Contours and Borehole Log Data Locations, Seal Beach Quadrangle.

● Borehole Site

30 Depth to ground water in feet

ONE MILE
SCALE

LEGEND:

SITE APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM SEISMIC HAZARD ZONE REPORT FOR THE SEAL BEACH 7.5–MINUTE QUADRANGLE, ORANGE COUNTY, CALIFORNIA


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HISTORIC GROUNDWATER MAP

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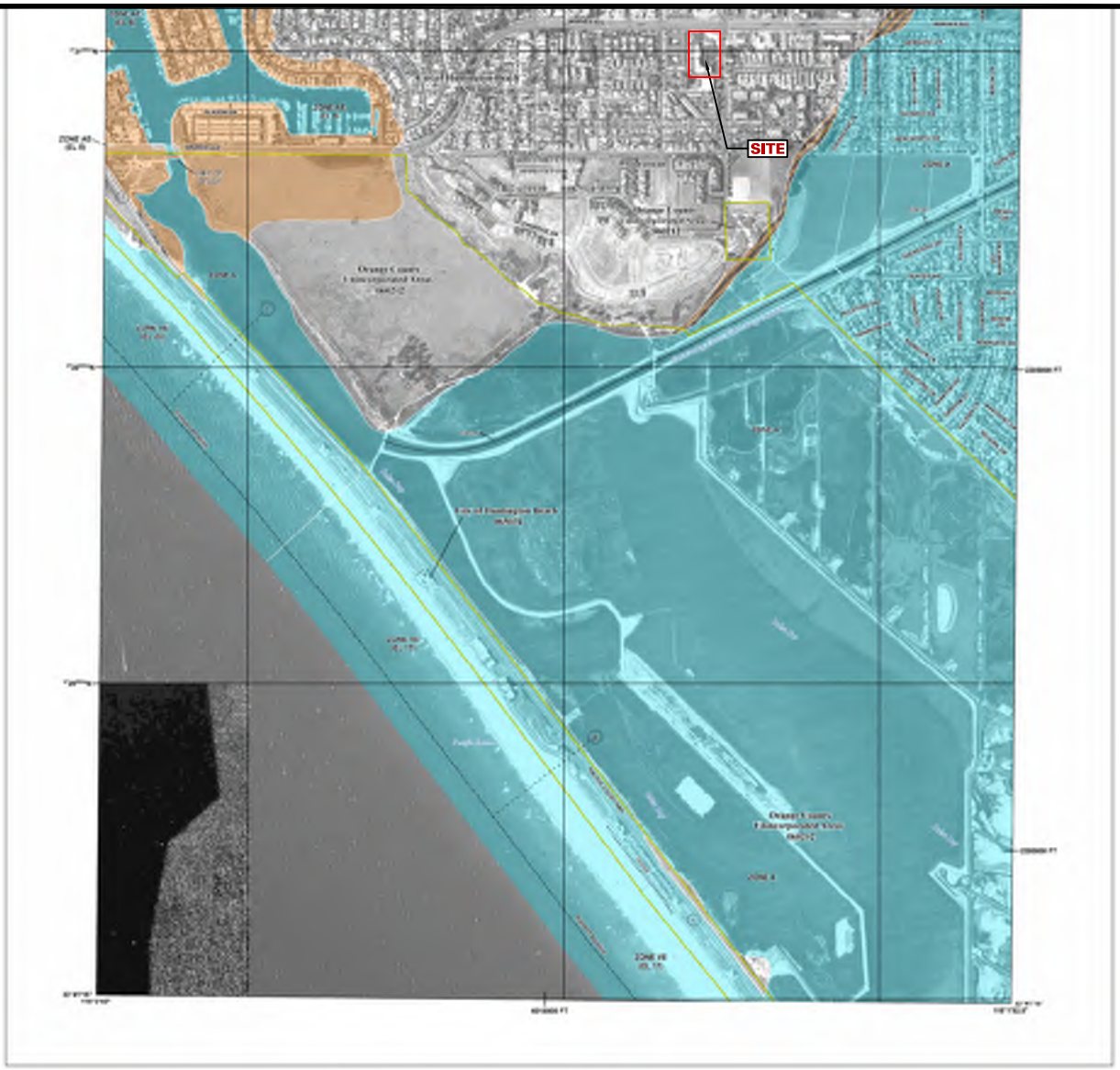


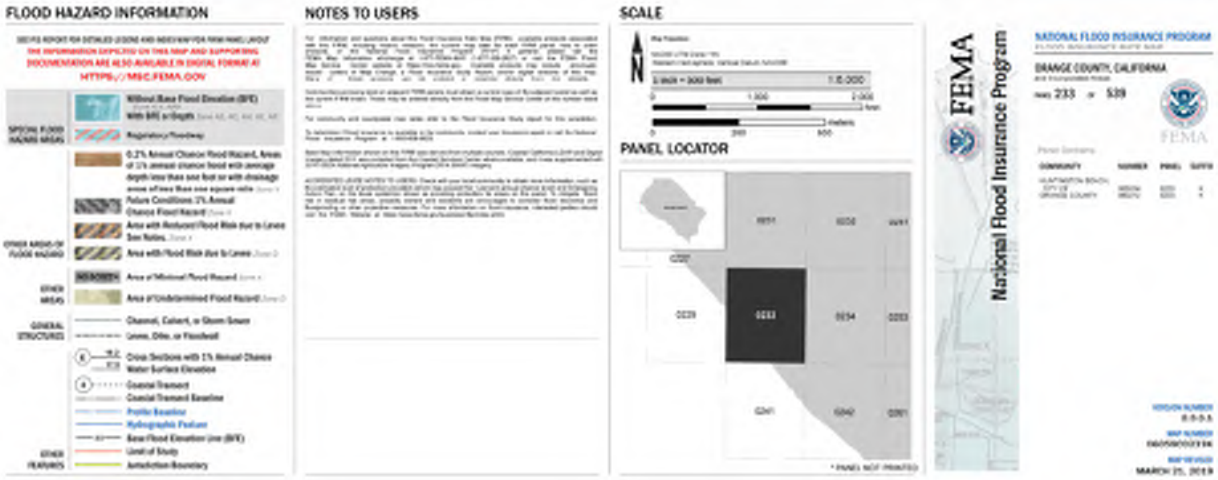


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SITE — APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM FEMA FLOOD INSURANCE RATE MAP NUMBER 06059C0233K ACCESSED 28 JUNE 2021


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**FLOOD INSURANCE MAP**

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Date 14 APRIL 2022

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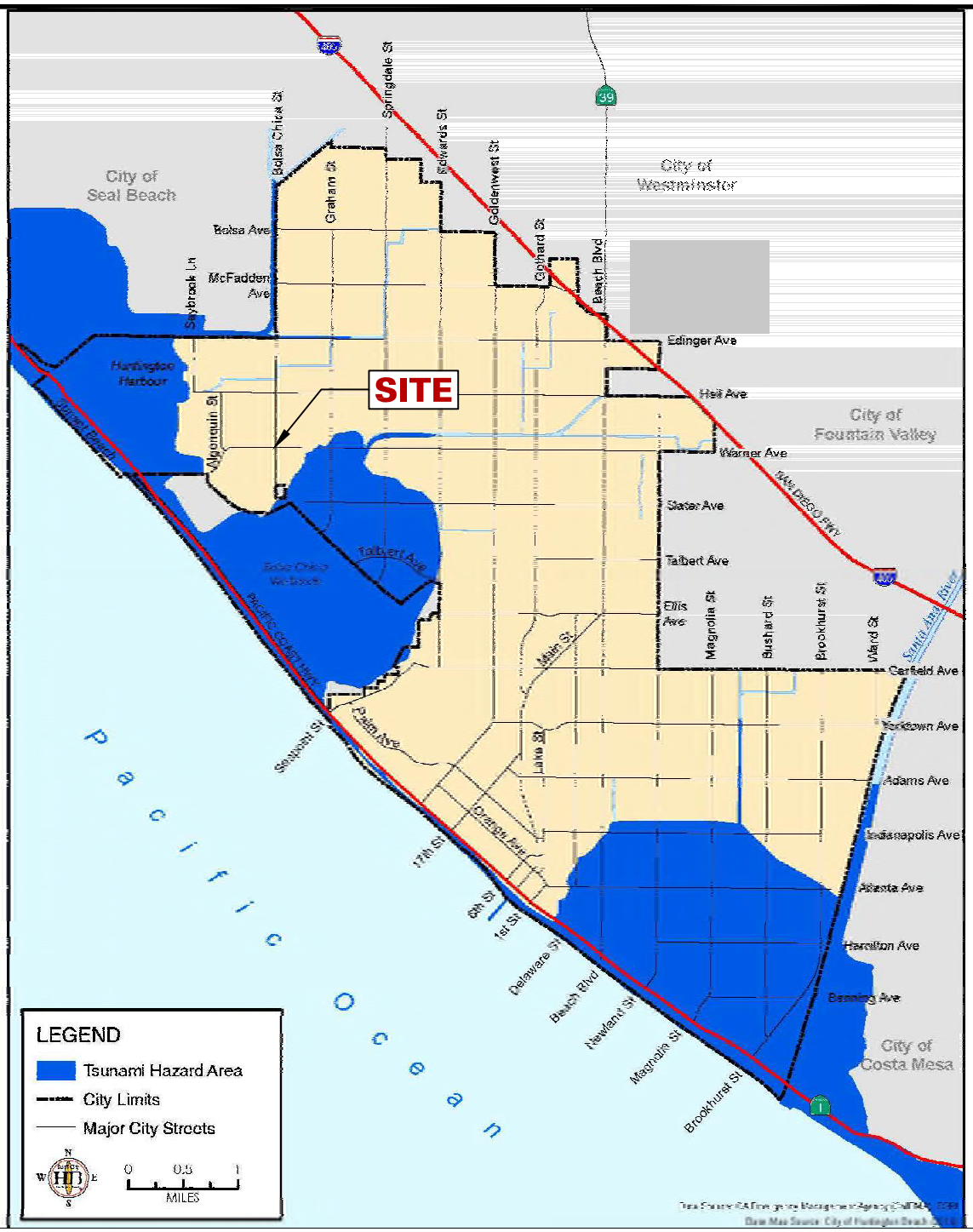


LEGEND:

SITE APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM CITY OF HUNTINGTON BEACH LOCAL HAZARD MITIGATION PLAN, ACCESSED 28 JUNE 2021


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| | | Date<br>14 APRIL 2022 | |
| | | Scale<br>AS SPECIFIED ON MAP | |
| | | Drawn By<br>AC | |

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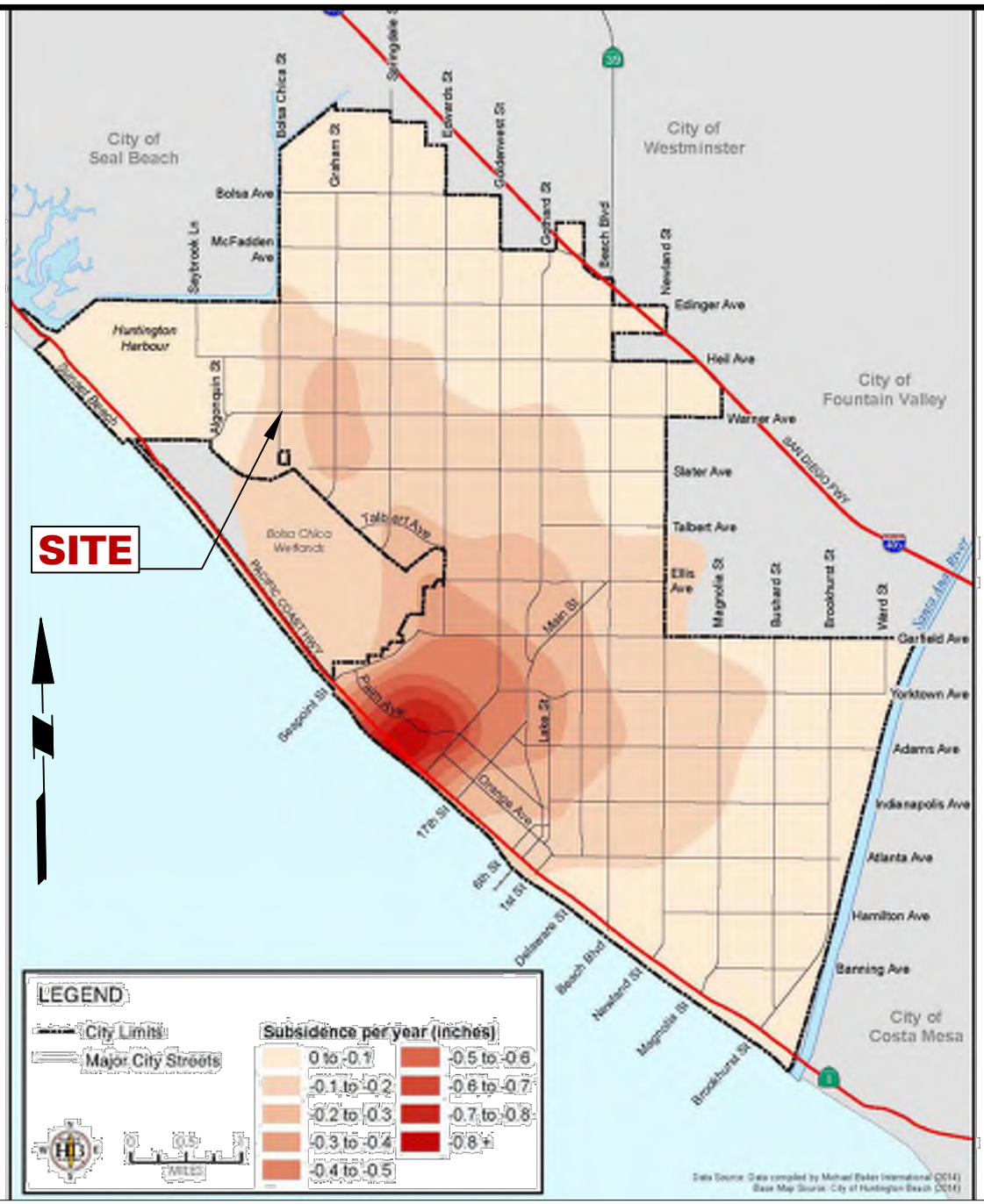


LEGEND:

SITE APPROXIMATE SITE LOCATION

NOTES:

1. BACKGROUND REFERENCED FROM CITY OF HUNTINGTON BEACH LOCAL HAZARD MITIGATION PLAN, ACCESSED 28 JUNE 2021


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ANNUAL SUBSIDENCE RATES

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Date 14 APRIL 2022
Scale AS SHOWN ON MAP
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Drawing No. 7

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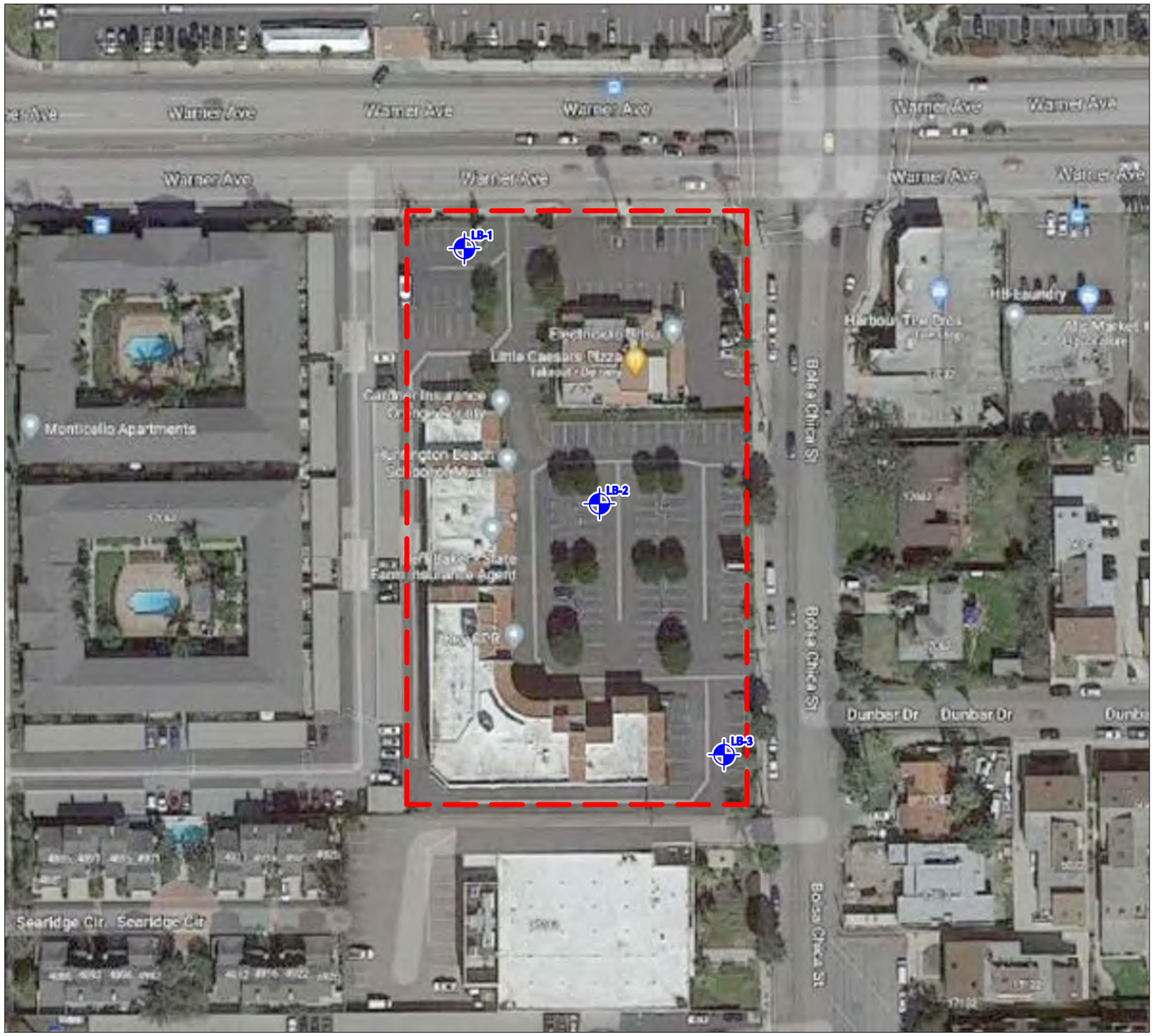


NOTES:

1. BACKGROUND IMAGE REFERENCED FROM GOOGLE MAPS, ACCESSED 29 JUNE 2021
2. LANGAN BORINGS LB-1 THROUGH LB-3 WERE DRILLED BY MARTINI DRILLING ON 25 JUNE 2021 UNDER THE FULL-TIME ENGINEERING OBSERVATION OF A LANGAN FIELD ENGINEER.

LEGEND:

APPROXIMATE SITE LIMITS

LB-2 APPROXIMATE BORING LOCATION

50 25 0 50

SCALE IN FEET

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Figure Title
BORING LOCATION PLAN

| | |
|---|---|
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| Scale 1" = 50' | |
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# APPENDIX A
# Seismic Research Results

**TABLE A.1 - USGS 2014 CALIFORNIA SEISMIC SOURCE MODEL PARAMETERS**

| Fault Name | Distance from Site (km) |
|---|---|
| Newport-Inglewood alt 2 | 0.84 |
| Newport-Inglewood alt 1 | 1.03 |
| Compton | 4.1 |
| San Joaquin Hills | 10.3 |
| Anaheim | 11.2 |
| Palos Verdes | 16.2 |
| Elysian Park (Lower CFM) | 17.5 |
| Newport-Inglewood (Offshore) | 18.1 |
| Puente Hills (Coyote Hills) | 18.9 |
| Peralta Hills | 20.3 |
| Yorba Linda | 21.3 |
| Puente Hills (Santa Fe Springs) | 22.5 |
| Richfield | 23.1 |
| Puente Hills | 24.0 |
| Whittier alt 2 | 28.3 |
| Whittier alt 1 | 28.3 |
| Puente Hills (LA) | 29.2 |
| Oceanside alt2 | 30.7 |
| Oceanside alt1 | 30.8 |
| Redondo Canyon alt 2 | 33.8 |
| Redondo Canyon alt 1 | 34.5 |
| San Diego Trough north alt1 | 36.7 |
| San Pedro Basin | 38.3 |
| San Jose | 39.0 |
| Elysian Park (Upper) | 39.3 |
| San Pedro Escarpment | 39.5 |
| Chino alt 1 | 41.5 |
| Chino alt 2 | 41.7 |
| Elsinore (Glen Ivy) rev | 43.7 |
| San Vicente | 45.4 |
| Verdugo | 45.4 |
| Raymond | 45.4 |
| Hollywood | 48.1 |
| North Salt Lake | 49.0 |
| Santa Monica alt 2 | 49.1 |
| Sierra Madre | 49.1 |
| Clamshell-Sawpit | 51.5 |
| Fontana (Seismicity) | 51.9 |
| Santa Monica alt 1 | 52.1 |
| Cucamonga | 53.2 |
| Malibu Coast alt 1 | 56.7 |
| Malibu Coast alt 2 | 56.7 |

| | |
|---|---|
| Coronado Bank alt2 | 56.8 |
| Santa Cruz Catalina Ridge alt1 | 57.8 |
| Anacapa-Dume alt 2 | 58.1 |
| San Diego Trough north alt2 | 58.1 |
| Santa Cruz Catalina Ridge alt2 | 58.8 |
| San Gabriel (Extension) | 58.9 |
| Elsinore (Temecula) rev | 60.7 |
| Elsinore (Stepovers Combined) | 62.2 |
| Sierra Madre (San Fernando) | 66.7 |
| Anacapa-Dume alt 1 | 67.4 |
| Northridge Hills | 68.5 |
| Santa Monica Bay | 69.2 |
| Mission Hills 2011 | 69.9 |
| San Gabriel | 70.4 |
| Coronado Bank alt1 | 72.1 |
| Santa Susana alt 2 | 72.2 |
| Northridge | 72.9 |
| Santa Susana East (connector) | 73.6 |
| Thirty Mile Bank | 73.8 |
| San Jacinto (Lytle Creek connector) | 75.8 |
| San Jacinto (San Bernardino) | 78.9 |
| Santa Susana alt 1 | 79.2 |
| San Andreas (Mojave S) | 80.1 |
| San Andreas (San Bernardino N) | 80.8 |
| San Jacinto (San Jacinto Valley) rev | 81.6 |
| San Clemente | 83.9 |
| Cleghorn | 84.2 |
| Rose Canyon | 85.1 |
| Carlsbad | 85.9 |
| San Andreas (North Branch Mill Creek) | 87.5 |
| Holser alt 1 | 88.1 |
| San Jacinto (Anza) rev | 88.6 |
| Simi-Santa Rosa | 89.0 |
| San Andreas (San Bernardino S) | 89.9 |
| Malibu Coast (Extension) alt 2 | 90.4 |
| Malibu Coast (Extension) alt 1 | 90.4 |
| San Jacinto (Stepovers Combined) | 90.7 |
| Holser alt 2 | 93.4 |
| Del Valle | 96.0 |
| North Frontal (West) | 97.7 |
| Oak Ridge (Onshore) | 98.4 |

**Notes:**

1. Seismic source model parameters obtained from USGS 2014 National Seismic Hazard Maps on 01 July 2021.

2. Search results include sources within 62 mi (100 km) of the Site.

**TABLE A.2 - USGS ANSS COMPREHENSIVE CATALOG SEARCH RESULTS**

| Date [1,3] | Latitude [1,3] | Longitude [1,3] | Approximate Magnitude [1,3] | Magnitude Type [2] | Approximate Distance from Site (km) [1,3] |
|---|---|---|---|---|---|
| 2014-03-29 | 33.9325 | -117.9158 | 5.1 | mw | 27 |
| 2008-07-29 | 33.9485 | -117.7663 | 5.44 | mw | 36 |
| 1997-04-26 | 34.3690 | -118.6700 | 5.07 | ml | 93 |
| 1995-06-26 | 34.3940 | -118.6690 | 5.02 | ml | 95 |
| 1994-03-20 | 34.2310 | -118.4750 | 5.24 | ml | 70 |
| 1994-01-29 | 34.3060 | -118.5790 | 5.06 | ml | 82 |
| 1994-01-19 | 34.3780 | -118.6190 | 5.07 | ml | 91 |
| 1994-01-19 | 34.3790 | -118.7120 | 5.06 | ml | 96 |
| 1994-01-18 | 34.3770 | -118.6980 | 5.24 | ml | 95 |
| 1994-01-17 | 34.3260 | -118.6980 | 5.58 | ml | 91 |
| 1994-01-17 | 34.3400 | -118.6140 | 5.2 | ml | 87 |
| 1994-01-17 | 34.2750 | -118.4930 | 5.89 | ml | 75 |
| 1994-01-17 | 34.2130 | -118.5370 | 6.7 | mw | 72 |
| 1991-06-28 | 34.2700 | -117.9930 | 5.8 | mw | 62 |
| 1990-02-28 | 34.1440 | -117.6970 | 5.51 | ml | 57 |
| 1988-12-03 | 34.1510 | -118.1300 | 5.02 | ml | 49 |
| 1987-10-04 | 34.0740 | -118.0980 | 5.25 | ml | 40 |
| 1987-10-01 | 34.0610 | -118.0790 | 5.9 | mw | 39 |
| 1986-07-13 | 32.9710 | -117.8740 | 5.45 | ml | 84 |
| 1979-01-01 | 33.9165 | -118.6872 | 5.21 | ml | 64 |
| 1973-02-21 | 33.9790 | -119.0502 | 5.3 | mw | 98 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.3 | mh | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.8 | mh | 84 |
| 1971-02-09 | 34.4120 | -118.4000 | 5.8 | ml | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.8 | mh | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 6.6 | mw | 84 |
| 1970-09-12 | 34.2548 | -117.5343 | 5.22 | ml | 76 |
| 1951-12-26 | 32.9162 | -118.3052 | 5.75 | ml | 92 |
| 1941-11-14 | 33.7907 | -118.2637 | 5.12 | ml | 22 |
| 1938-05-31 | 33.6993 | -117.5112 | 5.23 | ml | 49 |
| 1933-03-11 | 33.8500 | -118.2660 | 5 | ml | 26 |
| 1933-03-11 | 33.6238 | -118.0012 | 5.29 | mh | 11 |
| 1933-03-11 | 33.7667 | -117.9850 | 5.02 | mh | 8 |
| 1933-03-11 | 33.6308 | -117.9995 | 6.4 | mw | 10 |
| 1930-08-31 | 34.0300 | -118.6430 | 5.25 | ms | 66 |
| 1927-08-04 | 34.0000 | -118.5000 | 5.3 | uk | 53 |
| 1923-07-23 | 34.0000 | -117.2500 | 5.96 | mw | 80 |
| 1918-06-06 | 33.8000 | -117.0000 | 5 | ml | 97 |
| 1918-04-21 | 33.7500 | -117.0000 | 6.75 | mw | 96 |
| 1910-05-15 | 33.7000 | -117.4000 | 5.3 | mw | 59 |
| 1910-05-13 | 33.7000 | -117.4000 | 5 | ml | 59 |
| 1910-04-11 | 33.7000 | -117.4000 | 5 | ml | 59 |
| 1899-12-25 | 33.8000 | -117.0000 | 6.75 | mw | 97 |
| 1899-07-22 | 34.3000 | -117.5000 | 6.36 | mw | 82 |
| 1899-07-22 | 34.2000 | -117.4000 | 5.5 | ml | 80 |
| 1894-07-30 | 34.3000 | -117.6000 | 5.9 | ml | 77 |
| 1893-04-04 | 34.3000 | -118.6000 | 5.8 | ml | 83 |
| 1892-06-14 | 34.2000 | -117.5000 | 5.5 | ml | 74 |
| 1889-08-28 | 34.2000 | -117.9000 | 5.6 | ml | 55 |
| 1858-12-16 | 34.2000 | -117.4000 | 6 | ml | 80 |
| 1857-01-16 | 34.5200 | -118.0400 | 6.3 | mw | 89 |
| 1855-07-11 | 34.1000 | -118.1000 | 6 | ml | 43 |
| 1827-09-24 | 34.0000 | -119.0000 | 6 | mw | 94 |
| 1812-12-08 | 34.3700 | -117.6500 | 7.5 | mw | 81 |
| 1800-11-22 | 32.9000 | -117.8000 | 6.30 | mw | 93 |

**Notes:**

1. Earthquake Catalog Search results obtained from USGS ANSS Comprehensive Catalog accessed on 01 July 2021.
2. Refer to USGS ANSS Comprehensive Catalog and USGS Earthquake Hazards Program for additional information on magnitude types.
3. Earthquake Catalog search results include earthquake events within 100 km of the Site with magnitudes of 5.0 or greater since 1900.

# APPENDIX B
# Boring Logs

# LANGAN

Log of Boring **LB-1** Sheet 1 of 2

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 38 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 10, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ▽, Completion ▼, 24 HR. ▼ --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Elev. (ft) | Sample Description | Depth Scale | Sample Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|
| | Asphalt = 3-inches / Aggregate Base = 8-inches | 0 | | | | | |
| | FILL<br>Dark brown, CLAY, (CL), trace fine sand and gravel, dry | 1, 2, 3, 4 | | | | | |
| | Stiff, dark brown, CLAY, (CL), trace fine sand, moist | 5, 6 | S-1 | CR | 18 | 4, 11, 14 | |
| | | 7 | | | | | |
| | TERRACE | 8, 9 | | | | | |
| | Medium dense, brown-gray, fine to medium SAND, (SP), trace clay, moist | 10, 11 | S-2 | SPT | 18 | 3, 4, 6 | |
| | | 12, 13, 14 | | | | | |
| | Medium dense, brown-gray, fine SAND, (SP), trace silt, moist | 15 | S-3 | CR | 18 | 7, 15, 18 | |
| | Very stiff, gray-brown, clayey SILT, (ML), some fine sand, moist | 16, 17 | | | | | |
| | | 18, 19, 20 | | | | | |

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# LANGAN

Log of Boring **LB-1** Sheet 2 of 2

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Medium dense, gray-brown, fine to medium SAND, (SP), dry | 20, 21 | S-4 | SPT | 18 | 7, 13, 16 | |
| | | | 22, 23, 24 | | | | | |
| | | Medium dense, gray-brown, fine to medium SAND, (SP), dry | 25 | S-5 | CR | 18 | 7, 11, 12 | |
| | | Stiff, brown, CLAY, (CL), trace fine sand, moist | 26 | | | | | |
| | | | 27, 28, 29 | | | | | |
| | | Firm, brown, CLAY, (CL), trace fine sand, moist | 30, 31 | S-6 | SPT | 18 | 2, 4, 7 | |
| | | | 32, 33, 34 | | | | | |
| | | Very stiff, dark brown, sandy CLAY, (CL), moist | 35, 36 | S-7 | CR | 0 | 9, 19, 28 | Sample S-7: No Recovery |
| | | Dense, gray-brown, fine to medium SAND, (SP), trace clay, moist | 37 | S-7 | CR | 18 | 19, 23, 35 | |
| | | End boring at 38 feet<br>Groundwater not encountered<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | 38, 39, 40, 41, 42, 43, 44, 45 | | | | | |

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# LANGAN

Log of Boring **LB-2** Sheet 1 of 3

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 51.5 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 10, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ▽ 46, Completion ▼ 44, 24 HR. ▼ --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Elev. (ft) | Sample Description | Depth Scale | Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|
| | Asphalt = 1.5-inches / Aggregate Base = 5.5-inches | 0 | | | | | |
| | **FILL** | 1 | | | | | |
| | Dark brown, sandy CLAY, (CL), some gravel, dry | 2 | | | | | |
| | | 3 | | | | | |
| | | 4 | | | | | |
| | Dark brown, stiff, brown, CLAY, (CL), trace sand, dry | 5 | S-1 | SPT | 18 | 5 6 7 | |
| | | 6 | | | | | |
| | | 7 | | | | | |
| | **TERRACE** | 8 | | | | | |
| | | 9 | | | | | |
| | Medium dense, light brown, silty fine SAND, (SM), dry | 10 | S-2 | CR | 18 | 6 15 21 | |
| | | 11 | | | | | |
| | | 12 | | | | | |
| | | 13 | | | | | |
| | | 14 | | | | | |
| | Medium dense, light brown, silty fine SAND, (SM), dry | 15 | S-3 | SPT | 18 | 4 6 11 | |
| | | 16 | | | | | |
| | | 17 | | | | | |
| | | 18 | | | | | |
| | | 19 | | | | | |
| | | 20 | | | | | |

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# LANGAN

Log of Boring **LB-2** Sheet 2 of 3

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| Sample Description | Depth Scale | Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|
| Dense, light brown, fine to coarse SAND, (SP), some clay, moist | 20–23 | S-4 | CR | 17.5 | 13 24 50/5.5" | |
| Very stiff, dark brown, CLAY, (CL), trace fine sand, moist | 23–28 | S-5 | SPT | 18 | 2 4 13 | |
| Medium dense, light brown, silty fine SAND, (SM), dry | 28–30 | | | | | |
| Medium dense, brown, clayey fine SAND, (SC), trace silt, moist | 30–33 | S-6 | CR | 18 | 6 12 21 | |
| Medium dense, gray-brown, silty fine to medium SAND, (SM), moist | 33–38 | S-7 | SPT | 18 | 5 8 10 | |
| Stiff, gray-brown, CLAY, (CL), trace fine sand, moist | 38–45 | S-8 | CR | 18 | 6 11 13 | |

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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# LANGAN

Log of Boring **LB-2** Sheet 3 of 3

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Stiff, gray-brown, CLAY, (CL), trace fine sand, moist | 45 | S-9 | SPT | 18 | 3 5 9 | |
| | | | 46 | | | | | |
| | | | 47 | | | | | |
| | | | 48 | | | | | |
| | | | 49 | | | | | |
| | | Stiff, gray-brown, CLAY, (CL), trace fine sand, wet | 50 | S-10 | CR | 18 | 1 2 14 | |
| | | | 51 | | | | | |
| | | Medium dense, brown, fine to coarse SAND, (SP), some clay, wet | | | | | | |
| | | End boring at 51.5 feet<br>Groundwater First measured @ 46 feet<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | 52 | | | | | |
| | | | 53 | | | | | |
| | | | 54 | | | | | |
| | | | 55 | | | | | |
| | | | 56 | | | | | |
| | | | 57 | | | | | |
| | | | 58 | | | | | |
| | | | 59 | | | | | |
| | | | 60 | | | | | |
| | | | 61 | | | | | |
| | | | 62 | | | | | |
| | | | 63 | | | | | |
| | | | 64 | | | | | |
| | | | 65 | | | | | |
| | | | 66 | | | | | |
| | | | 67 | | | | | |
| | | | 68 | | | | | |
| | | | 69 | | | | | |
| | | | 70 | | | | | |

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# LANGAN

Log of Boring **LB-3** Sheet 1 of 2

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 36.5 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 7, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ---, Completion ---, 24 HR. --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Elev. (ft) | Sample Description | Depth Scale | Sample Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|
| | Asphalt = 2.5-inches / Aggregate Base = 4.5-inches | 0 | | | | | |
| | **FILL** Dark brown, sandy CLAY, (CL), some gravel, dry | 1, 2, 3, 4 | | | | | |
| | Dark brown, stiff, brown, CLAY, (CL), dry | 5 | S-1 | CR | 18 | 7, 9, 9 | |
| | TERRACE Medium dense, gray, clayey fine to medium SAND, (SC), dry | 6, 7 | | | | | |
| | Medium dense,gray-brown, fine SAND, (SP), some silt, dry | 8, 9, 10, 11 | S-2 | SPT | 18 | 3, 6, 8 | |
| | Medium dense, gray-brown, medium to coarse SAND, (SP), dry | 12, 13, 14, 15, 16 | S-3 | CR | 18 | 9, 13, 15 | |
| | | 17, 18, 19, 20 | | | | | |

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# LANGAN

Log of Boring **LB-3** Sheet 2 of 2

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Medium dense, gray-brown, clayey fine SAND, (SC), trace silt, moist | 20–23 | S-4 | SPT | 18 | 4, 8, 13 | |
| | | Very stiff, dark brown, CLAY, (CL), trace fine sand, dry | 23–27 | S-5 | CR | 18 | 9, 15, 22 | |
| | | Very stiff, dark brown, CLAY, (CL), trace fine sand and siltstone fragment, dry | 27–32 | S-6 | SPT | 18 | 4, 3, 5 | |
| | | Stiff, brown, CLAY, (CL), trace fine to coarse sand, dry | 32–35 | S-7 | CR | 18 | 7, 9, 20 | |
| | | Medium dense, gray, fine SAND, (SP), trace silt, dry | 35–36 | | | | | |
| | | End boring at 36.5 feet<br>Groundwater Not Encountered<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | 36–45 | | | | | |

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# APPENDIX C
# Laboratory Test Results

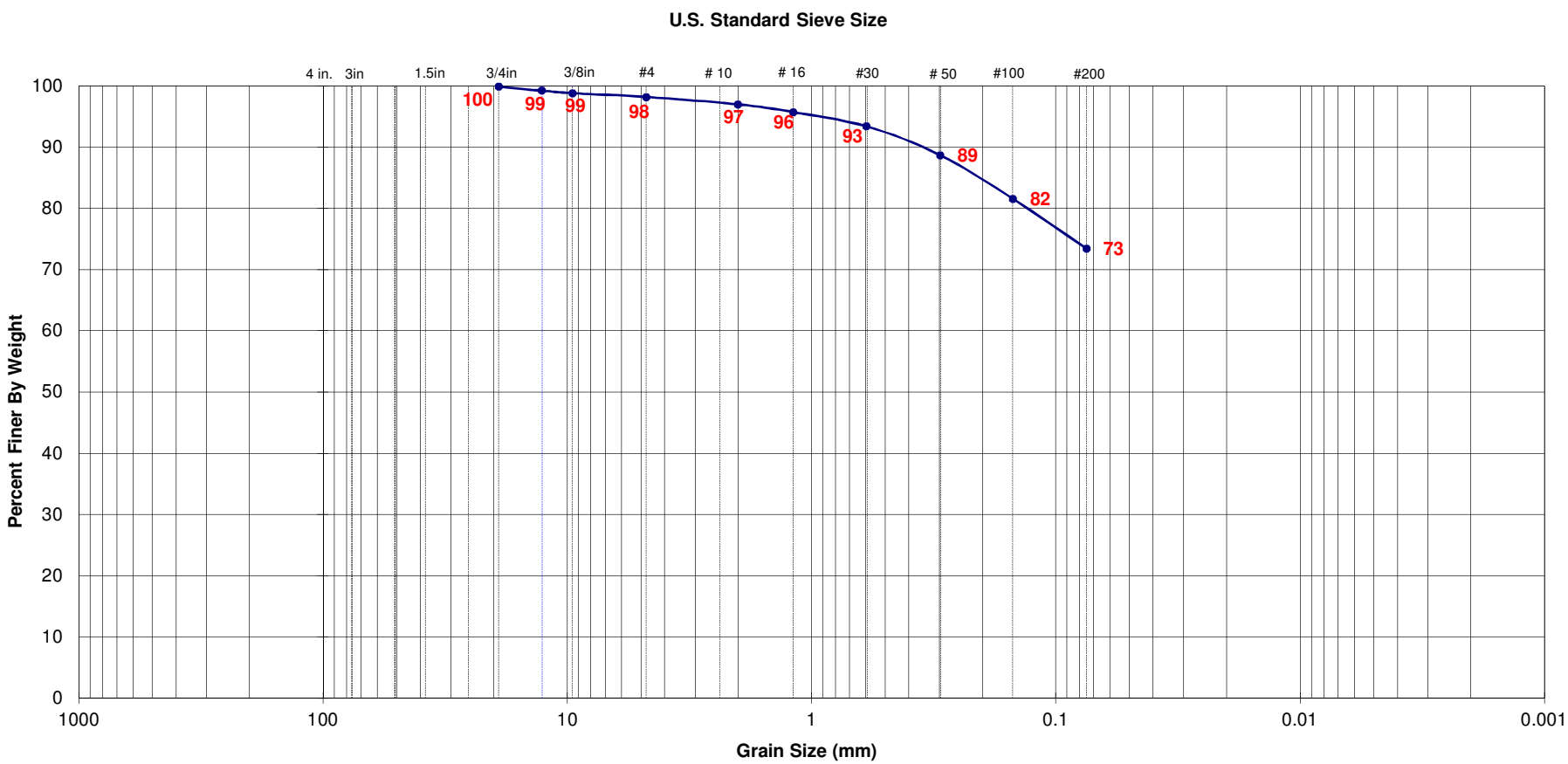
# DENSITY TESTS

**PROJECT** Langan # 700101401 **JOB NO.** 2012-0057 **BY** LD **DATE** 07/02/21

| Sample No. | LB-2 / S-4 | LB-2 / S-6 | LB-3 / S-3 | LB-3 / S-5 | | | | |
|---|---|---|---|---|---|---|---|---|
| Depth (ft) | 20.0 | 30.0 | 15.0 | 25.0 | | | | |
| Testing | | | | | | | | |
| Soil Type | Brown, Silty Sand | Brown, Sandy Clay | Brown, Silty Sand | Brown, Sandy Clay | | | | |
| Wet+Tare | 1113.3 | 935.6 | 670.4 | 1041.0 | | | | |
| No. Ring | 6 | 5 | 4 | 6 | | | | |
| Wet Weight | 137.1 | 109.7 | 134.4 | 158.9 | | | | |
| Dry Weight | 134.2 | 90.4 | 129.0 | 138.9 | | | | |
| Wet density | 118.2 | 119.5 | 103.2 | 108.1 | | | | |
| % Water | 2.2 | 21.3 | 4.2 | 14.4 | | | | |
| Dry Density | 115.7 | 98.5 | 99.1 | 94.5 | | | | |
| O.B.Press(psf) | | | | | | | | |
| Sample No. | | | | | | | | |
| Depth (ft) | | | | | | | | |
| Testing | | | | | | | | |
| Soil Type | | | | | | | | |
| Wet+Tare | | | | | | | | |
| No. Ring | | | | | | | | |
| Wet Weight | | | | | | | | |
| Dry Weight | | | | | | | | |
| Wet density | | | | | | | | |
| % Water | | | | | | | | |
| Dry Density | | | | | | | | |
| O.B.Press(psf) | | | | | | | | |

Geo-Logic ASSOCIATES

Date: 7/2/21




| Boring / Sample No. | Initial Dry Density (pcf) | Initial Moist. (%) | Test Dry Density (pcf) | Test Moist. (%) | Permeabilty, k (cm/sec) | LL | PL | PI | Unified Soil Class. | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| LB-2 / Bulk | | | | | | | | | CL | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Geo-Logic

# EXPANSION INDEX - UBC 18-2 & ASTM D 4829-88

PROJECT Langan # 700101401 JOB NO. 2012-0057

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample | LB-2 / Bulk | | By LD | | Sample | | | By | |
| Sta. No. | | | | | Sta. No. | | | | |
| Soil Type | Brown, Silty Clay | | | | Soil Type | | | | |
| Date | Time | Dial Reading | Wet+Tare | 616.4 | Date | | Dial Reading | Wet+Tare | |
| 6/29/2021 | 16:20 | 0.2823 | Tare | 219.8 | | | | Tare | |
| | | H2O | Net Weight | 396.6 | | | | Net Weight | |
| 6/30/2021 | 10:00 | 0.231 | % Water | 10.1 | | | | % Water | |
| | | | Dry Dens. | 109.1 | | | | Dry Dens. | |
| | | | % Max | | | | | % Max | |
| | | | Wet+Tare | 659.4 | | | | Wet+Tare | |
| | | | Tare | 219.8 | | | | Tare | |
| | | | Net Weight | 439.6 | | | | Net Weight | |
| **INDEX** | 51 | 5.1% | % Water | 22.0 | **INDEX** | | | % Water | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample | | | By | | Sample | | | By | |
| Sta. No. | | | | | Sta. No. | | | | |
| Soil Type | | | | | Soil Type | | | | |
| Date | | Dial Reading | Wet+Tare | | Date | | Dial Reading | Wet+Tare | |
| | | | Tare | | | | | Tare | |
| | | | Net Weight | | | | | Net Weight | |
| | | | % Water | | | | | % Water | |
| | | | Dry Dens. | | | | | Dry Dens. | |
| | | | % Max | | | | | % Max | |
| | | | Wet+Tare | | | | | Wet+Tare | |
| | | | Tare | | | | | Tare | |
| | | | Net Weight | | | | | Net Weight | |
| **INDEX** | | | % Water | | **INDEX** | | | % Water | |

Geo-Logic ASSOCIATES

# WASH #200 SIEVE - ASTM D 1140-92

| | | | |
|---|---|---|---|
| Job Name | Langan # 700101401 | Date | 7-2-21 |
| Job No. | 2012-0057 | By | LD |

| **Sample** | LB-1 / S-3 | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | 16.4 | % water | | % water | |
| Wet weight | 274.1 | Wet weight | | Wet weight | |
| Dry weight | 235.5 | Dry weight | | Dry weight | |
| + 200 sieve | 146.5 | + 200 sieve | | + 200 sieve | |
| % Retained | 62.2 | % Retained | | % Retained | |
| **%Pass. #200** | **38** | **%Pass. #200** | | **%Pass. #200** | |

| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

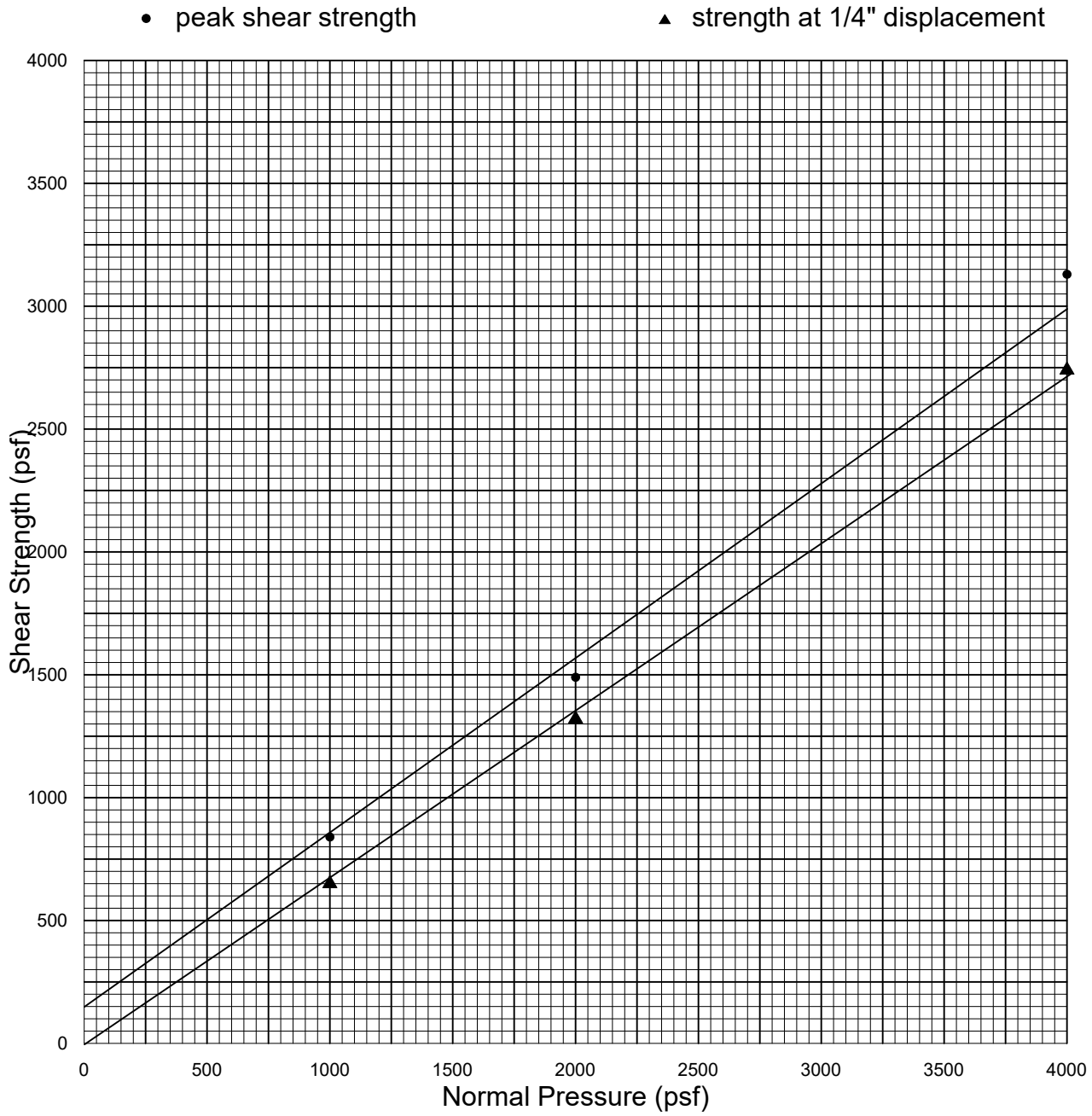
| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

Geo-Logic ASSOCIATES

# DIRECT SHEAR TEST - ASTM D-3080






Strain Rate: 0.0084 in. / min.

| Sample | Type | Description | Dry Density (pcf) | Initial W.C. (%) | Final W.C. (%) |
|---|---|---|---|---|---|
| LB3/S3 | Undisturbed & Saturated | Silty Sand | 99.1 | 4.2 | 24.5 |

| Normal Pressure (psf) | Peak Shear Strength (psf) | Ultimate Shear Strength (psf) |
|---|---|---|
| 1000 | 840 @ 0.1155" | 650 |
| 2000 | 1490 @ 0.1450" | 1320 |
| 4000 | 3130 @ 0.1600" | 2740 |
| | C = 150 psf | C = 0 psf |
| | $\phi$ = 35 deg. | $\phi$ = 33.5 deg. |

| SAMPLE NO.: | LB-2 / Bulk | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | 1' - 5' | | | | | | | | | | | | | | |
| DIRECT SHEAR TEST (type) | | | | | | | | | | | | | | | |
| Initial Moisture Content % | | | | | | | | | | | | | | | |
| Dry Density (pcf) | | | | | | | | | | | | | | | |
| Normal Stress (psf) | | | | | | | | | | | | | | | |
| Peak Shear Stress (psf) | | | | | | | | | | | | | | | |
| Ultimate Shear Stress (psf) | | | | | | | | | | | | | | | |
| Cohesion (psf) | | | | | | | | | | | | | | | |
| Internal Friction Angle (degrees) | | | | | | | | | | | | | | | |
| EXPANSION TEST UBC STD 18-2 | | | | | | | | | | | | | | | |
| Initial Dry Density (pcf) | | | | | | | | | | | | | | | |
| Initial Moisture Content % | | | | | | | | | | | | | | | |
| Final Moisture Content % | | | | | | | | | | | | | | | |
| Pressure (psf) | | | | | | | | | | | | | | | |
| Expansion Index Swell % | | | | | | | | | | | | | | | |
| CORROSIVITY TEST | | | | | | | | | | | | | | | |
| Resistivity (ASTM G57) (ohm-cm) | 540 | | | | | | | | | | | | | | |
| pH (ASTM D4972) | 7.8 | | | | | | | | | | | | | | |
| CHEMICAL TESTS | | | | | | | | | | | | | | | |
| Soluble Sulfate (ASTM D4327) (%) | 0.1296 | | | | | | | | | | | | | | |
| Chloride Content (ASTM D4327) (%) | 0.0447 | | | | | | | | | | | | | | |
| Wash #200 Sieve (ASTM-1140) % | | | | | | | | | | | | | | | |
| Sand Equivalent (ASTM D2419) | | | | | | | | | | | | | | | |

Geo-Logic

# APPENDIX B

# PHASE I ENVIRONMENTAL SITE ASSESSMENT (PHASE I ESA)

# (April 2021)

# Phase I Environmental Site Assessment

**Proposed Senior Living Development - HB**

**4952 and 4972 Warner Avenue**

**Huntington Beach, Orange County, California**

**April 2, 2021**

Terracon Project No. 60217144

**Prepared for:**
Hines Interests LP
Newport Beach, California

**Prepared by:**
Terracon Consultants, Inc.
Tustin, California

terracon.com

Terracon

Environmental ■ Facilities ■ Geotechnical ■ Materials

April 2, 2021

Hines Interests LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 02660

Attn: Tom Lawless
P: (949) 313-2213
E: tom.lawless@hines.com

Re: Phase I Environmental Site Assessment
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217144

Dear Mr. Lawless:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with our Master Services Agreement dated June 23, 2006, and Terracon Proposal No. P60217144, dated March 3, 2021.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
**Terracon Consultants, Inc.**

**DRAFT**
Jennifer S. Van
Environmental Group Manager

**DRAFT**
Islam (Sami) R. Noaman
Environmental Department Manager II

**DRAFT**
Brian Carey
California Licensed Geologist No.7820

Attachments

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# EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with our Master Services Agreement dated June 23, 2006 and Terracon Proposal No. P60217144, dated March 3, 2021 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Jennifer S. Van, Environmental Professional, who performed the site reconnaissance on March 19, 2021.

## Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 4952 and 4972 Warner Avenue in Huntington Beach, Orange County, California, Orange County, Assessor Parcel Numbers (APNs) 163-281-01 and 163-281-02. The site consists of two contiguous parcels totaling approximately 2.80 acres. The site is improved with two buildings: an approximately 7,285-square-foot (SF) two-story multi-tenant retail building on the northeastern portion of the site, and an approximately 47,488-SF three-story multi-tenant office building located on the western and southern portion of the site. Other site improvements include asphalt-paved parking lot, landscaped areas, and utilities. The 4972 Warner Avenue building was occupied by The OC Spa and Wellness Center, Electric Jiu Jitsu, Little Caesars, The Colour Attic and Kim R. Goyle CPA. The 4952 Warner Avenue building was occupied by multi-tenant offices; insurance, travel agency, accounting, brokerage, attorneys, therapists, marketing, engineering, and finances. Operations on-site consisted of general administration, restaurant, beauty and recreational.

Historical Information

Based on a review of historical information, the site consisted of undeveloped and/or vacant land from as early as 1896 through 1963, when the northeastern portion of the site was developed with a service station, which was cleared by 1978. By 1978 and 1979, the existing three-story multi-tenant commercial office building was developed on the west and southern portions of the site, and the existing two-story multi-tenant retail building was developed on the northeastern portion of the site. The site has remained relatively unchanged from the late 1970s through the present. The former service station (4972 Warner Avenue) is further discussed below. Occupants on-site have consisted of various professional services, restaurants, recreational, beauty salons, retail, and medical offices.

The surrounding properties consisted of undeveloped and/or vacant land from as early as 1896 through the late 1930s, when apparent residences were developed to the west and south of the

site, which were cleared by the 1940s. In the early 1970s, the properties to the adjoining west and south of the site were developed with two apartments complexes and a commercial building. In the early 1940s, the property to the adjacent north of the site was developed with commercial buildings, with several commercial redevelopments in the 1970s and late 2000s. The property to the adjacent east of the site was developed with an apparent commercial/residential building in the early 1950s, with several commercial/residential building additions in the 1960s and early 2010s. Former service stations, located to the adjacent north (across Warner Avenue) and adjacent east (across Bolsa Chica Road) and operated in the 1960s through the early 1990s, were identified in the regulatory database and are further discussed in 4.1.

Prior Report

CBRE, Inc. (CBRE) completed a Phase I ESA in June 2015. The area assessed consisted of the 4942 Warner Avenue parcel located on the west and southern portions of the site. CBRE did not identify HRECs, RECs and/or CRECs associated with the site. CBRE identified two business environmental risks (BERs) associated with the construction date of the site building that asbestos containing materials and lead-based paint may be present on-site. CBRE recommended that the materials to be sampled, managed, removed and handled in accordance with applicable regulation.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The following paragraphs summarize the site regulatory database listings:

**4952 Warner Avenue:** Heritage Park Foundation, Marina Medical Center and Lawrence Twomey, located on-site, is listed in the California Environmental Protection Agency - Facility and Manifest Data (HAZNET) and Department of Toxic Substances Control (DTSC) – Hazardous Waste Tracking System (HWTS) regulatory listings. Based on a review of the listings, waste streams generated on-site included photochemicals/photoprocessing waste, metals sludge, and asbestos containing waste between the years 1994 and 2010. Additional information was not provided. Based on the facility's regulatory status, historical information review, and waste streams identified, the Heritage Park Foundation, Marina Medical Center and Lawrence Twomey facilities do not represent a REC to the site.

**4972 Warner Avenue, Suite 101:** Marina Breast Center and White Cleaners (4972 Warner Avenue), formerly located on-site, is listed in the HWTS and EDR Hist Cleaner regulatory databases. Based on a review of the HWTS listing and on-line DTSC HWTS database, Marina Breast Center was permitted as a hazardous waste generator with the status of inactive as of June 1998. The type of waste generated was not reported. Based on a review of the EDR Hist Cleaner listing, White Cleaners is listed as a dry-cleaning plant from 1996 through 1998. Based on a review of information provided by the City of Huntington Beach, the former White Cleaners is located on the eastern portion (ground floor) of this 4952 Warner Avenue site building and consisted of a customer service retail facility with no dry-cleaning machines reported. In addition,

this facility was not permitted with the South Coast Air Quality Management District (SCAQMD or to generate hazardous waste. Terracon researched on-line at the DTSC HWTS database and records of White Cleaners was not identified. In addition, Mr. Jim Filipan, owner, stated White Cleaners consisted of a drop-off station for dry cleaning and was not aware of dry cleaning operations at the site. Based on the facility's regulatory status and apparent operations (medical and dry-cleaning drop-off station), the former Marina Breast Center and White Cleaners facilities do not represent a REC to the site.

**Former service station (4972 Warner Avenue):** Muzquiz Abel, and Chevron Texaco 21-2242, located on the northeast portion of the site, is listed in the EDR Exclusive Historical Auto Stations (EDR Hist Auto), EPA Facility Index System/Facility Registry System (FINDS), Recovered Government Archive Leaking Underground Storage Tank (RGA LUST), California Environmental Reporting System (CERS), Hazardous Waste & Substances Sites List (Cortese), LUST, HAZNET, and HWTS regulatory databases. Based on a review of historical information and the EDR Hist Auto listing, the former service station was identified on-site from as early as 1963 through 1978. By 1979, this service station was cleared and redeveloped with the existing two-story multi-tenant commercial retail building and has remained relatively unchanged through the present. Based on a review of the FINDS, RGA LUST, CERS, CORTESE and LUST listings, Chevron Texaco is listed with a LUST Cleanup Site with the State Water Resources Control Board (SWRCB) and Orange County Health Care Agency (OCHCA) and the status of the cleanup case is listed as "Completed – Case Closed as of March 16, 2004". Records were obtained from the existing site owner, Mr. Jim Filipan, OCHCA, and Santa Ana Regional Water Quality Control Board (SARWQCB). Based on a review of a review of the March 16, 2014 Case Closure Summary, initial subsurface assessments were completed to evaluate the former service station in 1993 and 1994; however, the analytical results of this assessment were not reported to the OCHCA until 2003. These assessments reported fuel release to have impacted the site soil and groundwater and the responsible party of the fuel release is identified as Chevron Texaco. Additional activities included installation of six groundwater monitoring wells (MW-1 through MW-6) in 2002 and 2003 and quarterly groundwater monitoring in 2003 and 2004. Depth to groundwater was reported to range from 40 to 47 feet below ground surface (bgs) and flowing to the south and southeast. The status of the former USTs was unknown. According to Mr. Filipan, existing owner, the former USTs have been removed; however, documentation of removal was not provided. The maximum documented contaminant of concern concentrations remaining in soil include total petroleum hydrocarbon for gasoline (TPHg; 6,700 milligram per kilogram (mg/kg)), TPH for diesel (TPHd; 1,200 mg/kg), benzene (3.7 mg/kg), toluene (66.2 mg/kg), ethylbenzene (31.5 mg/kg), and xylenes (690 mg/kg). Terracon compared these residual concentrations to the RWQCB – Table 4.1: Maximum Soil Screening Levels (MSSLs) for TPH, BTEX, and MTBE above drinking water aquifers, revised May 2008 and the concentrations of TPHg, benzene, ethylbenzene and xylenes exceed the MSSLs for 20-150 feet distance above groundwater.

The maximum documented contaminant concentrations remaining in groundwater included TPHg (2,300 micrograms per liter (µg/L)), TPHd (510 µg/L), benzene (89 µg/L), toluene (350 µg/L), ethylbenzene (82 µg/L), xylenes (360 µg/L) and tertiary butyl alcohol (TBA; 27 µg/L). Terracon

compared these concentrations of groundwater remaining in-place to the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) – Tier 1 ESLs, dated 2019 (Rev.2) and the concentrations remaining in-place exceeded the ESLs for the abovementioned constituents.

The former service station received no further action based on the following:

- "The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of the southeastern dispenser at depths between 26 to 36 bgs."
- "The known soil contamination has not significantly impacted groundwater as evident by groundwater results."
- "The benzene levels seen in well (MW-3), the nearest up-gradient well to the present building, do not provide a vapor intrusion threat."

As part of the site management requirements, the OCHCA stated the following in the Case Closure Summary: "they must be notified if a structure is going to be placed over the area where high soil contaminants remain in place" and that if land use changes to residential that corrective action should be reviewed. Based on the exceedances in the soil and groundwater above the applicable current screening levels and the regulatory closed LUST status and reported site management requirements by the OCHCA, the former service station represents a controlled REC (CREC) to the site.

Subsurface investigation and groundwater monitoring activities at the site were completed to the satisfaction of the OCHCA and no further action was required for the site for commercial land use. However, soil vapor beneath the site was not reported to be evaluated for the possible presence of VOCs. Although OCHCA stated that vapor intrusion into the existing building in 2004 does not appear to represent a concern, the vapor intrusion and permissible indoor air VOC screening levels have become significantly more stringent for commercial and residential land uses. As such, and despite the OCHCA closure for the former Chevron Texaco service station on the northeastern portion of the site, Terracon considers the likely presence of residual VOCs in soil vapor a REC.

**Off-site Lewis Cleaners (4945 Warner Avenue):** This facility formerly located approximately 120 feet to the north and in a hydrogeologic up-gradient position relative to the site, is listed in the DRYCLEANERS, RCRA-SQG, and EDR Hist Cleaner regulatory databases. Based on a review of the RCRA-SQG listing, this facility was permitted as a small quantity generator of hazardous waste in 1991. Based on a review of the EDR Hist Cleaner and historical city directories, Lewis Cleaners operated from as early as 1982 through 2007. Based on a review of the DRYCLEANERS listing and the on-line SCAQMD FIND database, this facility operated with dry cleaning equipment using perchloroethylene (PCE) as a solvent in the years 1980, 1990, 2003 and 2007. Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, facility's duration of operations (~25 years) and operations identified to utilize PCE as a dry cleaning solvent, the former Lewis Cleaners facility represents a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, regulatory records review, and/or distance from the site. Refer to Section 4.1 of the report for additional details.

Site Reconnaissance

During the site reconnaissance, two hydraulic elevators, heating ventilation and air conditioning units, one boiler, one cooling tower, water heaters, interior floor drains, 13 five-gallon plastic containers of paint, *di minimis* stained pavement, and three solid waste disposal dumpsters were observed. RECs were not identified.

Adjoining Properties

Warner Avenue abuts the site to the north followed by Walgreens Pharmacy (4935 Warner Avenue), a two story multi-tenant commercial retail building (4911 Warner Avenue) to the northwest and CVS Pharmacy (16922 Bolsa Chica Street) to the northeast of the site. Bolsa Chica Street abuts the site to the east followed by Harbor Tire Pros (5002 Warner Avenue) and single-family residences (17042-17112 Bolsa Chica Street). The property to the adjoining south of the site consists of a commercial building occupied by Frontier Communications (17111 Bolsa Chica Street). The property to the adjoining west of the site consists of the Monticello Apartments (17052 and 17062 Green Lane). Walgreens Pharmacy, CVS Pharmacy and Frontier Communications were listed in the regulatory database are were previously discussed in Section 4.1.

Additional Services

Per the agreed scope of services specified in the proposal, the following additional services (e.g. visual observations for suspect asbestos and visual observations for suspect lead-based paint) were conducted.

- Based on the age of the buildings (1978 and 1979), it is likely that the identified materials are asbestos containing material. Terracon was provided drywall and joint compound asbestos analytical results for 4952 Warner Avenue. Based on a review of the analytical results, a review of previous asbestos sampling activities identified one sample of drywall with joint compound consisting of <1% chrysotile.
- Based on the age of the building (1978 and 1979), it is possible that the identified paints are lead-based paint.

## Significant Data Gaps

Significant data gaps were not identified.

## Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at 4952 and 4972 Warner Avenue, Huntington Beach, Orange County, California, the

site. The following Recognized Environmental Conditions (RECs) or Controlled RECs (CREC) were identified in connection with the site:

- **On-site former service station (4972 Warner Avenue) represents a CREC -** Based on the exceedances in soil and groundwater above the applicable current screening levels and the reported regulatory closed LUST status.
- **Potential for Vapor Intrusion associated with on-site former service station (4972 Warner Avenue) represents a REC -** Due to changes in the soil vapor and indoor air screening levels since closure was obtained for the former service station, and based on absence of soil vapor investigation.
- **Off-site former Lewis Cleaners (4945 Warner Avenue) represents a REC -** Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, facility's duration of operations (~25 years) and operations identified to utilize PCE as a dry cleaning solvent

## Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon recommends the following:

- Terracon recommends conducting additional investigation to evaluate subsurface conditions associated with the identified RECs.
- As part of site management requirements, the site owner/client should contact the OCHCA to inform them of the proposed site development and change in land use prior to site development activities.
- Terracon recommends conducting a thorough asbestos and lead-based paint survey prior to disturbance of suspect asbestos-containing materials (ACM) and lead-based paint (LBP) during planned renovations or building demolition.

# 1.0 INTRODUCTION

## 1.1 Site Description

| | |
|---|---|
| **Site Name** | Proposed Senior Living Development - HB |
| **Site Location/Address** | 4952 and 4972 Warner Avenue, Huntington Beach, Orange County, California Orange County Assessor Parcel Numbers (APNs) 163-281-01 and 163-281-02 |
| **Land Area** | Approximately 2.80 acres |
| **Site Improvements** | The site is improved with two buildings; an approximately 7,285-square-foot (SF) two-story multi-tenant retail building on the northeastern portion of the site and an approximately 47,488-SF three-story multi-tenant office building located on the western and southern portion of the site. Other site improvements include asphalt-paved parking lot, landscaped areas, and utilities. |
| **Anticipated Future Site Use** | Redevelopment for residential use; senior living facility |
| **Purpose of the ESA** | Redevelopment of the site |

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

## 1.2 Scope of Services

This Phase I ESA was performed in accordance with our Master Services Agreement dated June 23, 2006 and Terracon Proposal No. P60217144, dated March 3, 2021, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to “the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.” By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor

migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

As requested by the client, the following additional services were performed:

- Visual Observations for Suspect Asbestos
- Visual Observations of Suspect Lead-Based Paint

## 1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

## 1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

## 1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Hines Interests LP. Use or reliance by any other party is prohibited without the written authorization of Hines Interests LP and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Master Services Agreement. The limitation of liability defined in the Master Services Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

## 1.6 Client Provided Information

Prior to the site visit, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

**Client Questionnaire Responses**

| Client Questionnaire Item | Client Did Not Respond | Client's Response | |
|---|---|---|---|
| | | Yes | No |
| Specialized Knowledge or Experience that is material to a REC in connection with the site. | X | | |
| Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site. | X | | |
| Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site. | X | | |
| Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site. | X | | |
| Obvious Indicators of Contamination at the site. | X | | |

The client did not provide the requested User's information as of the issuance date of the report. Terracon assumes the client is evaluating the questionnaire information outside the context of Terracon's Phase I ESA scope of work and report.

## 2.0 PHYSICAL SETTING

| Physical Setting Information | | Source |
|---|---|---|
| **Topography** | | |
| Site Elevation | Approximately 40 feet above sea level. | USGS Topographic Map, Seal Beach, California, Dated 2012 (Appendix A) |
| Topographic Gradient | Sloping towards the north. | |
| Closest Surface Water | East Garden Grove-Wintersburg Channel, approximately 2,295 southeast of the site. | |
| **Soil Characteristics** | | |
| Soil Type | Myford Sandy Loam | Orange County, California USDA, Soil Conservation Services Soil Survey issued May 27, 2020 |
| Description | Parent material consists of alluvium derived from sandstone with 2 to 9 percent slopes. A typical profile consists of 0 to 7 inches of sandy loam; 7 to 11 inches of sandy clay; 11 to 64 inches of sandy clay loam; and 64 to 79 inches of sandy loam. | |
| **Geology/Hydrogeology** | | |
| Formation | QOA – Quaternary Deposits | |

| Physical Setting Information | | Source |
|---|---|---|
| Description | Alluvium, lake, playa, and terrace deposits. | California Geological Survey, Geologic Data Map No. 2, 2015 |
| Estimated Depth to First Occurrence of Groundwater | Ranging from 39 and 46 feet below grade surface (bgs) on the northeast portion of the site. | Chevron Texaco 21-2242 (T0605940455)<br>LUST Cleanup Site<br>4972 Warner<br>Huntington Beach, California |
| *Hydrogeologic Gradient | Reported flowing to the south and southeast on-site. | |

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

# 3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

## 3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic maps:
  - Las Bolsas, California, published in **1896, 1934, 1941, 1943** (1: 62,500)
  - Seal Beach, California, published in 1935 (1: 31,680)
  - Seal Beach, California, published in **1949, 1950, 1965, 1972, 1981** and **2012** (1: 24,000)
- Aerial photographs:
  - FAIR, **1928** and **1947** 1”=500’
  - USDA, **1938, 1952, 1988,** and **1990** 1”=500’
  - USGA, **1963** and **1972** 1”=500’
  - EDR Proprietary Brewster Pacific, **1977** 1”=500’
  - USGS/DOQQ, **1994** and **2002** 1”=500’
  - USDA/NAIP, **2009, 2012,** and **2016** 1”=500’

**Historical Maps and Aerial Photographs**

| Direction | Description |
|---|---|
| Site | Undeveloped and/or vacant land (1896-1963); developed with a commercial building; indicative of a *service station* on the northeast portion of the site (1972); developed with existing commercial office building on the west and southern portions of the site (1977); redeveloped with existing commercial retail building on the northeastern portion of the site (1988-2016). |
| North | Undeveloped land (1896); a road abuts the site followed by undeveloped land (1928-1938), developed with commercial buildings (1947-1952); developed with an apparent commercial building; indicative of a *service station* (1963-1972); commercial retail redevelopment to the north of the western portion and developed with commercial building to the northeast (1977-2009); service station and commercial retail buildings have been cleared and redeveloped with two existing commercial retail buildings to the north and northeast of the site (2012-2016). |
| East | Undeveloped land (1892); a road abuts the site followed by undeveloped land (1928-1947); developed with apparent commercial/residential building (1952); commercial/residential buildings (1963); developed with additional commercial building; indicative of a service station (1972-2002); commercial building has been cleared, vacant land and residences (2005-2009); redeveloped with existing commercial building (2012-2016). |
| South | Undeveloped land (1896-1928), developed with an apparent residential property (1938-1963), developed with existing commercial building (1972-2016). |
| West | Undeveloped land (1896-1928), developed with apparent residential property (1938-1963), redeveloped with two existing multi-family residential buildings (1972-2016). |

A service station, was identified on the northeastern portion of the site in the 1972 historical aerials. A service station was identified to the adjacent north (across Warner Avenue) in the historical aerials from 1963 through 2009. In addition, a service station was identified to the adjacent east (across Bolsa Chica Street in the historical aerials from 1972 through 1994 These facilities were identified in the regulatory database and are further discussed as 4995, 4972 and 5005 Warner Avenue in Section 4.1.

## 3.2 Historical City Directories

The General Telephone Co., Haines Criss-Cross Directory, and EDR Digital Archive city directories used in this study were made available through EDR (selected years reviewed: 1964 through 2014) and were reviewed at approximate five-year intervals, if readily available. Street listings not available prior to 1964. The current street address for the site was identified as 4952 and 4972 Warner Avenue.

## Historical City Directories

| Direction | Description |
|---|---|
| Site | **4952 Warner Avenue** – No listings (1964-1976); multi-tenant office/retail listings with no suspect listings; medical products, lay offices, beauty salon, investment firms, realtors, bakery, consulting, hair, plumbing (1982-2014).<br>**4972 Warner Avenue** – No listings (1964); *Meadowlark Texaco* (1968); *Thompson Texaco* (1973-1976); multi-tenant commercial listings with no suspect listings; travel, bank, nail, video store, pharmacy (1982-2014). |
| North | **4935 Warner Avenue** – No listings (1964-1976); Mccue Robert L. Co, South Coast Financial Service (1982); no listings (1987); Collin's Co., TRH Enterprises, World's Finest Choc (1992-1995); K &K Hansen, Inc. (2005); no listings (2010-2014).<br>**4941 Warner Avenue** – No listings (1964-1973); Mike's Liquor and Deli (1976-1995); no listings (2002-2014).<br>**4943 Warner Avenue** – No listings (1964-1973); Fink Al Associates, Inc. (1976); no listings (1976-2014).<br>**4945 Warner Avenue** – No listings (1964-1976); *Lewis Cleaners* (1982-2005); no listings (2010-2014).<br>**4951 Warner Avenue** – No listings (1964-1973); Lewis M. Szallay (1976); Western Mutual Escrow (1982); Harbor 1 Hr. Photo (1987-2010); no listings (2014).<br>**4995 Warner Avenue** – *Mobil Service Station* (1964); *Joe's Service Station* (1968-1976); *Ed Bates Mobile* (1982); *Massim's Mobil, Massim's ARCO* (1987); *Import Auto Repair* (1992-2014).<br>**5005 Warner Avenue** – No listings (1964-1976); Colonel Sanders (1972); KFC (1982-1995); no listings (2000-2005); Buon Gusto, HB Coin Laundry, Harbor Liquor (2010); no listings (2014). |
| East | **5002 Warner Avenue** – *Walker Oil Co*. (1964); no listings (1968); *Econo Self-Serve* (1973-1987); Marine Griffith (1992-2005)'; no listings (2010); Tire Harbour (2014).<br>**17042 Bolsa Chica Street** – Residential listing (1964-1968); no listings (1973-1987); residential listing (1995-2010); no listings (2014).<br>**17062 Bolsa Chica Street** – Residential listing (1964-1968); no listings (1973-1995); residential listing (2000-2010); no listings (2014).<br>**17082 Bolsa Chica Street** – No listings (1964-1968); residential listing (1973-1976); no listings (1982-1987); residential listing (1995-2014).<br>**17112 Bolsa Chica Street** – Residential listing (1964-1968); residential listing (1973- |
| South | **17111 Bolsa Chica Street** – No listings (1964-1968); residential listing (1973-1976); no listings (1982-1987); residential listing (1995-2014). |
| West | **17052 and 17062 Green Lane** – Apartment listings (1973-2014). |

The above underlined and italicized addresses and facilities are listed in the regulatory database and are further discussed in Section 4.1.

## 3.3 Site Ownership

Based on information provided by the interview of Mr. Alireza Mirzaei and Mr. Jim Filipan, owner representatives, the current owner of the site is Huntington Harbor Plaza LLC and FKOA LLC.

## 3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

## 3.5 Environmental Liens and Activity and Use Limitations

The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

## 3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

**Interviews**

| Interviewer | Name / Phone # | Title | Date/Time |
|---|---|---|---|
| Jennifer S. Van | Mr. Alireza Mirzaei / 858-705-8184 | Acquisition Representative with Khoshbin Company, Inc. (4952 Warner Avenue) | March 19, 2021 / 7:30am |
| | Mr. Jim Filipan / 714-655-5384 | Owner (4972 Warner Avenue) | March 19, 2021 / 8:15am |

Terracon interviewed Mr. Alireza Mirazaei during the site reconnaissance. Mr. Mirazaei stated he has been associated with 4952 Warner Avenue of the site for one year. Mr. Mirazaei stated the site building was developed in 1978 and has been occupied by general administration type of operations. Mr. Mirazaei stated there was a prior Phase I ESA completed in 2015, which is further discussed in Section 3.7. Mr. Mirazaei is not aware of ASTs, USTs, petroleum pipelines, or monitoring wells associated with the site. Mr. Mirazaei is not aware of pending, threatened, and/or past environmental litigation and possible violations of environmental laws, liability and/or

potential environmental concerns associated with the site. In addition, Mr. Mirazaei is not aware of environmental concerns associated with the surrounding properties.

Terracon interviewed Mr. Jim Filipan during the site reconnaissance. Mr. Filipan stated he has been associated with the site as the owner of the 4972 Warner Avenue parcel for the past 20 years. Mr. Filipan stated the site building was developed in 1979 and has consisted of retail/restaurant types of operations including; hair salon, pizza restaurant, martial arts studio, accounting, and massage businesses. Mr. Filipan is aware of a former dry cleaners (White Cleaners). Mr. Filipan stated that the dry cleaners consisted of a drop off station and Mr. Filipan was not aware of dry cleaning type of operations conducted. Mr. Filipan stated the site consisted of a former gasoline station with a cleanup case with Orange County Health Care Agency, which has received commercial closure. Mr. Filipan stated he has records associated with the former assessments, which were discussed in Section 4.1. Mr. Filipan is not aware of environmental concerns associated with the surrounding properties.

### 3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were provided by the client to Terracon for review.

Phase I ESA, Huntington Marine Executive Center, 4952 Warner Avenue, Huntington Beach, California, prepared by CBRE, Inc., prepared for RAIT Partnership, L.P., dated June 29, 2015.
CBRE, Inc. (CBRE) completed a Phase I ESA in June 2015. The area assessed consisted of the 4942 Warner Avenue parcel located on the west and southern portions of the site. Based on a review of the report, the site consisted of a three-story office building and the operations consisted of general administration. CBRE did not identify HRECs, RECs and/or CRECs associated with the site. CBRE identified two business environmental risks (BERs) associated with the construction date of the site building that asbestos containing materials and lead-based paint may be present on-site. CBRE recommended that the materials to be sampled, managed, removed and handled in accordance with applicable regulation.

## 4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site

groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

## 4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

### Federal Databases

| Database | Description | Distance (miles) | Listings |
|---|---|---|---|
| CERCLIS (SEMS) | Comprehensive Environmental Response, Compensation, & Liability Information System | 0.5 | 0 |
| CERCLIS / NFRAP (SEMS ARCHIVE) | Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned | 0.5 | 0 |
| ERNS | Emergency Response Notification System | Site | 0 |
| IC / EC | Institutional Control/Engineering Control | Site | 0 |
| NPL | National Priorities List | 1.0 | 0 |
| NPL (Delisted) | National Priorities Delisted List | 0.5 | 0 |
| RCRA CORRACTS/ TSD | RCRA Corrective Action Activity | 1.0 | 0 |
| RCRA Generators | Resource Conservation and Recovery Act | Site and adjoining properties | 4 |
| RCRA Non-CORRACTS/ TSD | RCRA Non-Corrective Action Activity | 0.5 | 0 |

### State/Tribal Databases

| Database | Description | Distance (miles) | Listings |
|---|---|---|---|
| LUST | Leaking Underground Storage Tanks | 0.5 | 13 |
| SWF/LF | Solid Waste Facilities/Landfills | 0.5 | 1 |
| UST | Underground Storage Tank Facilities | Site and adjoining propertie s | 1 |
| VCP | Voluntary Cleanup Program | 0.5 | 1 |

| Database | Description | Distance (miles) | Listings |
|---|---|---|---|
| CA ENVIROSTOR (CALSITE) | California Envirostor database listing | 1.0 | 4 |
| CA CPS-SLIC | California Statewide SLIC Cases | 0.5 | 0 |
| CA AST | California Above-ground Storage Tank listing | 0.250 | 0 |
| CA CERS HAZ WASTE | California Environmental Reporting System on Hazardous Waste | 0.250 | 5 |
| CA SWEEPS UST | California Statewide Environmental and Evaluation Planning System on Underground Storage Tanks | 0.250 | 2 |
| CA HIST UST | California Historical Underground Storage Tank listing | 0.250 | 3 |
| CA CERS TANKS | California Environmental Reporting System on Tanks | 0.250 | 1 |
| CA FID UST | California Facility Information Database on Underground Storage Tanks | 0.250 | 3 |
| CA DEED | Deed Restriction Listing | 0.5 | 0 |
| CA CHMIRS | California Hazardous Material Incident Reporting System | Site | 0 |
| RCRA NonGen/NLR | RCRA Non-Generator / No Longer Regulated | 0.250 | 17 |
| DOD | Department of Defense | 1.0 | 1 |
| FINDS | Facility Index System/Facility Registry System | Site | 0 |
| ECHO | Enforcement and Compliance History Information | Site | 0 |
| CA Cortese | Hazardous Waste and Substance site list | 0.5 | 8 |
| CA DRYCLEANERS | California Dry cleaner listing | 0.250 | 4 |
| CA HAZNET | California Facility and Manifest Data | Site | 4 |
| CERS | California Environmental Reporting System | Site | 1 |
| CA HWTS | California Hazardous Waste Tracking System | Site | 5 |
| EDR Hist Auto | EDR Historical Automotive listing | 0.125 | 3 |
| EDR Hist Cleaner | EDR Historical Cleaner listing | 0.125 | 2 |
| NPDES | National Pollutant Discharge Elimination System | Site | 0 |
| CIWQS | State Water Resources Control Board - California Integrated Water Quality System | Site | 0 |

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site is identified in the regulatory databases.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities within 500 feet radii of the site. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

## Listed Facilities

| Facility Name And Location | Estimated Distance / Direction/Gradient | Database Listings | Is a REC, CREC, or HREC to the Site |
|---|---|---|---|
| Marina Breast Center 4972 Warner Avenue, #101 | Site | HWTS | REC, discussed below |
| Muzquiz Abel | | EDR Hist Auto | |
| White Cleaners | | EDR Hist Cleaner | |
| 1X First Nationwide Bank | | HAZNET, HWTS, LUST | |
| Chevron Texaco 21-2242 4972 Warner Avenue | | FINDS, RGA LUST, CERS, Cortese, LUST | |
| Heritage Park Foundation 4952 Warner Avenue, Suite 110 | Site | HAZNET, HWTS | Not a REC, discussed below. |
| Marina Medical Center 4952 Warner Avenue #110 | | HAZNET, HWTS | |
| Lawrence Twomey 4952 Warner Avenue | | HAZNET, HWTS | |
| Frontier California Inc. | Adjoining / South / Down-gradient | RCRA NonGen / NLR | Not a REC, discussed below |
| General Telephone Co | | Cortese, LUST, CA FID UST, HAZNET, HWTS, UST, RCRA-SQG, CERS, HIST CORTESE, LUST | |
| Verizon Ca Inc Warner Co 17111 Bolsa Chica Road | | UST | |
| Gw Cleanup-H.B.,Warner Avenue | 85 feet / East / Cross-gradient | CERS, CERS, CERS TANKS, Cortese, ENF, HIST CORTESE, HWTS, LUST | Not a REC, discussed below |
| Jet | | HIST UST | |
| Nanek Petrol | | UST | |
| Power Gas Inc 5002 Warner Avenue | | EDR Hist Auto | |

| Facility Name And Location | Estimated Distance / Direction/Gradient | Database Listings | Is a REC, CREC, or HREC to the Site |
|---|---|---|---|
| Import Auto Repair | 120 feet / North / Cross-to-up-gradient | UST, CERS, Cortese, EHAZNET, HWTS, LUST, RCRA-SQG | Not a REC, discussed below. |
| Mobil #18-D7e | | LUST, CA FID UST, HIST CORTESE, SWEEPS UST | |
| Nassim Jebaii<br>4995 Warner Avenue | | EDR Hist Auto, HIST UST | |
| Lewis Cleaner<br>4945 Warner Avenue | 120 feet / North / Up-gradient | (2) DRYCLEANERS, RCRA-SQG, EDR Hist Cleaner | REC, discussed below |
| Walgreens #12140<br>4935 Warner Avenue | 120 feet / North / Up-gradient | CERS HAZ WASTE, HAZNET, HWTS, RCRA-SQG | Not a REC, discussed below |
| Cvs Pharmacy # 9373<br>16922 Bolsa Chica Street | 195 feet / Northeast / Cross-gradient | CERS HAZ WASTE, HAZNET, HWTS, RCRA-LQG | Not a REC, discussed below |
| Steverson Bros. Boucher Site<br>Southeast of Bolsa Chica & Dunbar | 200 feet / Southeast / Down-gradient | ENVIROSTOR, VCP, WMUDS/SWAT, SWF/LF | Not a REC, discussed below |
| Landis Family Trust (Formerly Dry Cleane2<br>16928 Bolsa Chica Street | 340 feet / Northeast / Cross-gradient | Orange Co. Industrial Site | Not a REC, based on closed regulatory status, distance and gradient |
| Caesar's Cleaners<br>16922 Bolsa Chica Road | 340 feet / Northeast / Cross-gradient | DRYCLEANERS | Not a REC, based on distance and gradient |
| Scher Tire<br>5062 Warner Avenue | 400 feet / East / Cross-gradient | CA FID UST, CERS, CERS HAZ WASTE, SWEEPS UST, UST | Not a REC, based on distance and gradient |
| Meadowlark Airport<br>5141 Warner Avenue | 530 feet / Northeast / Cross-gradient | HIST UST, CERS, Cortese, HIST CORTESE, LUST, UST | Not a REC, based on distance and gradient |

<u>4952 Warner Avenue</u>

Heritage Park Foundation, Marina Medical Center and Lawrence Twomey, located on-site, is listed in the California Environmental Protection Agency - Facility and Manifest Data (HAZNET) and Department of Toxic Substances Control (DTSC) – Hazardous Waste Tracking System (HWTS) regulatory listings. Based on a review of the listings, waste streams generated on-site

included photochemicals/photoprocessing waste, metals sludge, and asbestos containing waste between the years 1994 and 2010. Additional information was not provided. Based on the facility's regulatory status, historical information review, and waste streams identified, the Heritage Park Foundation, Marina Medical Center and Lawrence Twomey facilities do not represent a REC to the site.

4972 Warner Avenue

Marina Breast Center and White Cleaners (4972 Warner Avenue), formerly located on-site, is listed in the HWTS and EDR Hist Cleaner regulatory databases. Based on a review of the HWTS listing and on-line DTSC HWTS database, Marina Breast Center was permitted as a hazardous waste generator with the status of inactive as of June 1998. The type of waste generated was not reported. Based on a review of the EDR Hist Cleaner listing, White Cleaners is listed as a dry-cleaning plant from 1996 through 1998. Based on a review of information provided by the City of Huntington Beach, the former White Cleaners is located on the eastern portion (ground floor) of this 4952 Warner Avenue site building and consisted of a customer service retail facility with no dry-cleaning machines reported. In addition, this facility was not permitted with the South Coast Air Quality Management District (SCAQMD or to generate hazardous waste. Terracon researched on-line at the DTSC HWTS database and records of White Cleaners was not identified. In addition, Mr. Jim Filipan, owner, stated White Cleaners consisted of a drop-off station for dry cleaning and was not aware of dry cleaning operations at the site. Based on the facility's regulatory status and apparent operations (medical and dry-cleaning drop-off station), the former Marina Breast Center and White Cleaners facilities do not represent a REC to the site.

Muzquiz Abel, and Chevron Texaco 21-2242, located on the northeast portion of the site, is listed in the EDR Exclusive Historical Auto Stations (EDR Hist Auto), EPA Facility Index System/Facility Registry System (FINDS), Recovered Government Archive Leaking Underground Storage Tank (RGA LUST), California Environmental Reporting System (CERS), Hazardous Waste & Substances Sites List (Cortese), LUST, HAZNET, and HWTS regulatory databases. Based on a review of historical information and the EDR Hist Auto listing, the former service station was identified on-site from as early as 1963 through 1978. By 1979, this service station was cleared and redeveloped with the existing two-story multi-tenant commercial retail building and has remained relatively unchanged through the present. Based on a review of the FINDS, RGA LUST, CERS, CORTESE and LUST listings, Chevron Texaco is listed with a LUST Cleanup Site with the State Water Resources Control Board (SWRCB) and Orange County Health Care Agency (OCHCA) and the status of the cleanup case is listed as "Completed – Case Closed as of March 16, 2004". Records were obtained from the existing site owner, Mr. Jim Filipan, OCHCA, and Santa Ana Regional Water Quality Control Board (SARWQCB). Based on a review of a review of the March 16, 2014 Case Closure Summary, initial subsurface assessments were completed to evaluate the former service station in 1993 and 1994; however, the analytical results of this assessment were not reported to the OCHCA until 2003. These assessments reported fuel release to have impacted the site soil and groundwater and the responsible party of the fuel release is identified as Chevron Texaco. Additional activities included installation of six groundwater monitoring wells (MW-1 through MW-6) in 2002 and 2003 and quarterly groundwater monitoring in 2003 and 2004. Depth to groundwater was reported to range from 40 to 47 feet

below ground surface (bgs) and flowing to the south and southeast. The status of the former USTs was unknown. According to Mr. Filipan, existing owner, the former USTs have been removed; however, documentation of removal was not provided. The maximum documented contaminant of concern concentrations remaining in soil include total petroleum hydrocarbon for gasoline (TPHg; 6,700 milligram per kilogram (mg/kg)), TPH for diesel (TPHd; 1,200 mg/kg), benzene (3.7 mg/kg), toluene (66.2 mg/kg), ethylbenzene (31.5 mg/kg), and xylenes (690 mg/kg). Terracon compared these residual concentrations to the RWQCB – Table 4.1: Maximum Soil Screening Levels (MSSLs) for TPH, BTEX, and MTBE above drinking water aquifers, revised May 2008 and the concentrations of TPHg, benzene, ethylbenzene and xylenes exceed the MSSLs for 20-150 feet distance above groundwater.

The maximum documented contaminant concentrations remaining in groundwater included TPHg (2,300 micrograms per liter (µg/L)), TPHd (510 µg/L), benzene (89 µg/L), toluene (350 µg/L), ethylbenzene (82 µg/L), xylenes (360 µg/L) and tertiary butyl alcohol (TBA; 27 µg/L). Terracon compared these concentrations of groundwater remaining in-place to the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) – Tier 1 ESLs, dated 2019 (Rev.2) and the concentrations remaining in-place exceeded the ESLs for the abovementioned constituents.

The former service station received no further action based on the following:

- “The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of the southeastern dispenser at depths between 26 to 36 bgs.”
- “The known soil contamination has not significantly impacted groundwater as evident by groundwater results.”
- “The benzene levels seen in well (MW-3), the nearest up-gradient well to the present building, do not provide a vapor intrusion threat.”

As part of the site management requirements, the OCHCA stated the following in the Case Closure Summary: “they must be notified if a structure is going to be placed over the area where high soil contaminants remain in place” and that if land use changes to residential that corrective action should be reviewed. Based on the exceedances in the soil and groundwater above the applicable current screening levels and the regulatory closed LUST status and reported site management requirements by the OCHCA, the former service station represents a controlled REC (CREC) to the site.

Subsurface investigation and groundwater monitoring activities at the site were completed to the satisfaction of the OCHCA and no further action was required for the site for commercial land use. However, soil vapor beneath the site was not reported to be evaluated for the possible presence of VOCs. Although OCHCA stated that vapor intrusion into the existing building in 2004 does not appear to represent a concern, the vapor intrusion and permissible indoor air VOC screening levels have become significantly more stringent for commercial and residential land uses. As such, and despite the OCHCA closure for the former Chevron Texaco service station on the

northeastern portion of the site, Terracon considers the likely presence of residual VOCs in soil vapor a REC.

17111 Bolsa Chica Road

Frontier California, Inc., General Telephone Co and Verizon Ca Inc Warner Co., located to the adjoining south and in a hydrogeologic down-gradient position relative to the site, is listed in the RCRA NonGen / NLR, Cortese, LUST, CA FID UST, HAZNET, HWTS, RCRA-SQG, CERS, HIST CORTESE, LUST and UST regulatory databases. Based on a review of the RCRA-SQG, HWTS and HAZNET listing, General Telephone Company was permitted as a small quantity generator in 1996 and a large quantity generator in 1986. Waste streams generated included unspecified oil-containing waste in 2016. Frontier California, Inc. is reported as a non-generator of hazardous waste in 2018 and 2019.

Based on a review of the LUST and CERS listing and on-line State Water Resources Control Board GeoTracker database as a LUST Cleanup Site with the status of "Completed – Case Closed as of October 15, 1990." Based on a review of the case summary and closure rationale, dated October 4, 1990, one 1,000-gallon diesel tank was pulled on August 2, 1985. The remaining total petroleum hydrocarbon remaining at this facility is reported at 2,550 mg/kg at a depth of approximately 25 feet bgs. Groundwater is estimated to be approximately 45 feet bgs and the soil type is reported silty clay from 20 to 41 feet bgs. Additional information was obtained from the OCHCA and the former tank location is approximately 55 feet to the south of the site.

According to records obtained from the OCHCA, a 4,000-gallon diesel UST with double walled construction and interstitial monitoring was installed in 1991. During the adjoining site reconnaissance, the tank hold was observed approximately 25 feet to the south of the site. Based on the facility's hydrogeologic down-gradient position relative to the site, facility's closed LUST status, and facility's regulatory status, the Frontier California, Inc., General Telephone Co and Verizon Ca Inc Warner Co. facility does not represent a REC to the site.

5002 Warner Avenue

A former service station; Gw Cleanup-H.B.,Warner Avenue, Jet, Nanek Petrol, and Power Gas Inc., located approximately 85 feet to the east and in a hydrogeologic cross-gradient position relative to the site, is listed in the CERS, CERS TANKS, Cortese, ENF, HIST CORTESE, HWTS, LUST, HIST UST, UST and EDR Hist Auto regulatory databases. Based on a review of historical information and the EDR Hist Auto listing, this service station operated from as early as 1964 through 1992. Based on a review of the HISTUST listing, this facility is listed with three 10,000-gallon gasoline USTs installed in 1977.

Based on a review of the CERS, CERS TANKS, CORTESE, HIST CORTESE, and LUST listings, Jet Gas Station is listed as a LUST Cleanup Facility with the status of "Completed – Case Closed as of May 6, 2004." Additional information was available on-line at the SWRCB GeoTracker database. Terracon reviewed the Case Closure Summary, dated May 6, 2004. Based on a review of the documents, the three 10,000-gallon gasoline USTs were removed in 1992. The LUST case was open in 1986, when the USTs failed an integrity test. Remedial activities included free product

removal, vapor extraction activities, and dual phase extraction. This facility underwent soil and groundwater assessments. Groundwater is reported ranging from 24 to 59 feet bgs and flowing to the east and southeast. The maximum documented contaminant concentrations remaining in groundwater included TPHg (520 µg/L), benzene (15 µg/L), toluene (5.6 µg/L), ethylbenzene (82 µg/L), xylenes (73 µg/L), MTBE (5 µg/L), and TBA (0.7 µg/L). Terracon compared the concentrations of groundwater remaining in-place to the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) – Tier 1 ESLs, dated 2019 (Rev.2) and the concentrations remaining in-place exceeded the ESLs for TPHg, BTEX, and MTBE. Terracon reviewed the analytical results of the groundwater well (MW-1) located on the eastern portion of 4972 Warner Avenue of the site and a concentration of TPH (0.23 µg/L) was detected. It does not appear that the off-site former service station has impacted the site. Based on the facility's regulatory closed LUST status and groundwater analytical results of the eastern portion of 4972 Warner Avenue, this former service station does not represent a REC to the site.

<u>4995 Warner Avenue</u>
Former service station; Import Auto Repair, Mobil #18-D7e and Nassim Jebaii, located approximately 120 feet to the north and in a hydrogeologic cross- to up-gradient position relative to the site, is listed in the UST, CERS, Cortese, HAZNET, HWTS, LUST, RCRA-SQG, CA FID UST, HIST CORTESE, SWEEPS UST, EDR Hist Auto, and HIST UST regulatory databases. Based on a review of EDR Hist Auto and historical information, this facility operated as a service station from as early as 1964 through 1985. Based on a review of the RCRA-SQG, HAZNET, and HWTS, Import Auto Repair was permitted as a small quantity generator of hazardous waste in 1991. Waste streams generated included waste oil, mixed oil, other organic solids, unspecified oil containing waste, aqueous solution with total organic residues less than 10 percent, and organic liquids with metals between the years 1997 and 2010

Based on a review of the SWEEPS, CA FID UST and HIST UST, this facility is listed with one 280-gallon waste oil UST, one 5,000-gallon motor vehicle fuel UST and one 8,000-gallon motor vehicle fuel UST installed in 1984. Based on a review of the CERS, Cortese, and LUST listings, this facility is listed as a LUST Cleanup Facility with the status of "Completed – Case Closed as of February 22, 2007." Additional information was provided on-line at the SWRCB GeoTracker database. Based on a review of the Case Closure Summary, dated June 29, 2006, three gasoline USTs and one waste oil UST was removed in 1985. In addition, an additional waste oil UST was removed in 1991. Subsequent to the removal of the USTs, soil contamination was observed which opened up the LUST case. Groundwater was reported ranging from 29 to 56 feet bgs and flowing to the west at the upper zone and flowing to the east-southeast at the middle zone. Remedial activities included free product removal and vapor extraction between the years 1989 and 2005. Terracon reviewed the groundwater analytical data of four closest groundwater wells; MW-8, MW-14, MW-19A, and MW19B, formerly located approximately 10 feet to the north of the site. Based on the March 13, 2006 groundwater sampling event, concentrations of TPHg, BTEX and MTBE were not detected above laboratory method detection limits in these groundwater monitoring wells. Based on the facility's regulatory closed LUST status and identified groundwater analytical results, the former Import Auto Repair, Mobil #18-D7e and Nassim Jebaii facility does not represent a REC to the site.

4945 Warner Avenue

Lewis Cleaners, formerly located approximately 120 feet to the north and in a hydrogeologic up-gradient position relative to the site, is listed in the DRYCLEANERS, RCRA-SQG, and EDR Hist Cleaner regulatory databases. Based on a review of the RCRA-SQG listing, this facility was permitted as a small quantity generator of hazardous waste in 1991. Based on a review of the EDR Hist Cleaner and historical city directories, Lewis Cleaners operated from as early as 1982 through 2007. Based on a review of the DRYCLEANERS listing and the on-line SCAQMD FIND database, this facility operated with dry cleaning equipment using perchloroethylene (PCE) as a solvent in the years 1980, 1990, 2003 and 2007. Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, facility's duration of operations (~25 years) and operations identified to utilize PCE as a dry cleaning solvent, the former Lewis Cleaners facility represents a REC to the site.

4935 Warner Avenue

Walgreens #12140, located approximately 120 feet to the north and in a hydrogeologic up-to cross-gradient position relative to the site, is listed in the CERS HAZ WASTE, HAZNET, HWTS, and RCRA-SQG regulatory databases. Based on a review of the listings, this facility is permitted as a small quantity generator of hazardous waste in 2020, with no violations reported. The type of waste generated off-specification, aged or surplus inorganics, pharmaceutical waste, and aqueous solution containing reactive anions between the years 2012 and 2019. This facility operates as a pharmacy and drug store. Based on the facility's apparent operations (pharmacy/drug store), waste streams generated/reported, and regulatory status, the Walgreens #12140 facility does not represent a REC to the site.

16922 Bolsa Chica Street

CVS Pharmacy # 9373, located approximately 195 feet to the northeast and in a hydrogeologic cross-gradient position relative to the site, is listed in the CERS HAZ WASTE, HAZNET, HWTS, and RCRA-LQG regulatory databases. Based on a review of the listings, this facility is permitted as a large quantity generator of hazardous waste in 2020, with no violations reported. This facility operates as a pharmacy and drug store. Waste streams generated included photochemicals/photoprocessing waste, pharmaceutical waste, unspecified solvent mixture, and pesticide waste between the years 2011 and 2019. Based on the facility's apparent operations (pharmacy/drug store), waste streams generated, and regulatory status, the CVS Pharmacy # 9373 facility does not represent a REC to the site.

Southeast of Bolsa Chica & Dunbar

Steverson Bros. Boucher Site, located approximately 200 feet to the southeast and in a topographic down-gradient position relative to the site, is listed in the ENVIROSTOR, VCP, WMUDS/SWAT, and SWF/LF and regulatory databases. Based on a review of the ENVIROSTOR and VCP listings and on-line DTSC ENVIROSTOR database, this facility is listed as a Voluntary Cleanup with the Cleanup Status of "No Further Action as of November 18, 1997." The potential contaminants of concern are listed as drilling mud, hydrocarbon solvents, and unspecified organic liquid mixture. The historical use that caused contamination is listed as an oil field and the potential

media affected was listed as soil. Terracon reviewed the Preliminary Endangerment Assessment for the Boucher Landfill (Cabo Del Mar Condominium Complex), prepared by PRC Environmental Management, Inc., dated January 5, 1995. Based on a review of the history, this property operated as a gravel pit from as early as 1928 through the 1930s, when this property operated as the Boucher Landfill with open ponds that received acidic refinery sludges through the early 1950s. The former disposal operations were on the northeastern portion of the existing condominium complex, approximately 540 feet to the east-southeast of the site. In the 1950s, assessments were completed and chemical wastes were detected in the soil and groundwater in the vicinity of the landfill. The Boucher Landfill operated as a Class III Landfill through the 1970s and by the late 1970s, the existing condominiums were developed. The closest former groundwater monitoring well (MW-5), located approximately 370 feet to the southeast of the site, did not detect purgeable aromatics (EPA Method 8020) in the 1992 groundwater sampling event. Based on the facility's down-gradient position relative to the site, and the facility's "No Further Action" status with the DTSC, the former Steverson Bros. Boucher Site does not represent a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

## 4.2 Local Agency Inquiries

| Agency Contacted/ Contact Method | Response |
|---|---|
| Orange County Environmental Health / By online submission *https://orangecounty.nextrequest.com/requests/new* | On March 27, 2021, Terracon received records for 4952 Warner Avenue, which are further discussed in Section 4.1. Records were not identified for 4972 Warner Avenue. |
| Department of Toxic Substances Control / By e-mail pubreqact@dtsc.ca.gov | On March 16, 2021, Terracon received a letter response from Choua Her with the Sacramento DTSC and records were not identified for the site addresses. |
| DTSC Cypress Regional Office / By e-mail CypressFileRoom@dtsc.ca.gov | On March 18, 2021, Terracon received a letter response from Ms. Julie Johnson with the Cypress DTSC, and stated records were not identified for the site addresses. |

| **Agency Contacted/ Contact Method** | **Response** |
|---|---|
| City of Huntington Beach City Clerk /<br>By Online submission<br>https://huntingtonbeachca.mycusthelp.com/webapp/_rs/(S(14tysvhutmug0scxlutrp35b))/supporthome.aspx | On March 30, 2021, Terracon received records for the two site addresses. Pertinent records are discussed below.<br><br>4952 Warner Avenue<br>-1/10/1978 – Building Permit Final; three-story office building grading,<br>-9/27/2006 – Building Permit; install unoccupied digital telecommunication facility cell site to existing building.<br>-Terracon reviewed certificates of occupancies and permits (building, electrical, mechanical and plumbing, and concerns were not identified.<br><br>4972 Warner Avenue<br>-12/8/1969, Certificate of Occupancy (COO), *Abe's Texaco; service station.*<br>-7/9/1971, COO, *Thomson's Texaco; Service Station*.<br>-11/12/1975, COO, *Texaco Service Station*.<br>-6/28/1978, building permit, demo existing *gas station*.<br>-6/15/1979, COO, newly constructed building.<br>- Based on a review of Certificate of occupancies between 1979 through 2009 included; Nail Salon travel agency; The Meetings Connection; singles organization, Prime Time Video, Marina Brest Center, Fam's Imaging; Diagnostic Radiology & Medical Services; Huntington Harbor Florist. White Cleaners; Dry Cleaners (Agency); customer service, no machines, retail only (1993), Fitness Solutions, personal trainer, Future Image, LLC; physical therapy – injury rehab, Ultra Body Sculpting, The Colour Attic, CPA, The OC Spa and Wellness Center, Electric Jiu Jitsu, |
| Huntington Beach Fire Department /<br>By online submission<br>https://huntingtonbeachca.mycusthelp.com/webapp/_rs/(S(ui4rd1p0beffwjyshao3p1as))/SupportHome.aspx?sSessionID=10818523142YZX[EXECDVWKZMEWEES [EAISEMDKZ | Records were not identified for the site addresses. |

| Agency Contacted/ Contact Method | Response |
|---|---|
| Santa Ana Regional Water Quality Control Board / By e-mail FileReview8@waterboards.ca.gov | Records were not identified for 4972 Warner Avenue. Records were identified for 4952 Warner Avenue and were previously discussed in Section 4.1. |
| South Coast Air Quality Management District / By online submission http://www.aqmd.gov/nav/online-services/public-records | On March 16, 2021, Terracon received an e-mail response from Ms. Lisa Ramos with the SCAQMD stating that notice of violations and asbestos records were not identified for the site addresses. |
| Orange County Sanitation District / By online submission https://ocsd.mycusthelp.com/WEBAPP | On March 19, 2021, Terracon received an e-mail response from Ms. Tina Knapp with the OCSD, who stated that records were not identified for the site addresses. |

Based on a review of records from the City of Huntington Beach, a service station (4972 Warner Avenue) was identified on the northeastern portion of the site from 1969 through 1978. This facility was identified in the regulatory database and was previously discussed in Section 4.1.

### 4.3 Local Area Knowledge

Based on a review of the California Department of Conservation Division of Oil, Gas, and Geothermal Resource well finder website (CalGEM), the site is identified as part of the Sunset Beach (ABD) oil field; however, oil/gas production wells were not identified on-site.

Based on a review of the City of Huntington Beach Methane Districts Map, dated September 2014, the site is not identified within a designated methane district.

## 5.0 SITE RECONNAISSANCE

### 5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

**General Site Information**

| **Site Reconnaissance** | |
|---|---|
| Field Personnel | Jennifer S. Van |
| Reconnaissance Date | March 19, 2021 |
| Weather Conditions | Sunny, 70 °F |
| Site Contact/Title | Mr. Alireza Mirzaei / Acquisition Representative with The Khoshbin Company (4952 Warner Avenue)<br>Mr. Jim Filipan / Owner (4972 Warner Avenue) |

| **Building Description** | | | | |
|---|---|---|---|---|
| **Building Identification** | **Building Use** | **Approx. Construction Date** | **Number of Stories** | **Approx. Size (ft²)** |
| Huntington Harbor Plaza (4952 Warner Avenue) | Multi-tenant Office | 1978 | 3 | 47,888 |
| 4972 Warner Avenue | Retail, salon, restaurant, recreational | 1979 | 2 | 7,285 |

| **Site Utilities** | |
|---|---|
| Drinking Water | City of Huntington Beach |
| Wastewater | City of Huntington Beach |
| Electric | Southern California Edison |
| Natural Gas | Southern California Gas |

## 5.2 Overview of Current Site Occupants

The 4972 Warner Avenue building was occupied by The OC Spa and Wellness Center, Electric Jiu Jitsu, Little Caesars, The Colour Attic and Kim R. Goyle CPA. The 4952 Warner Avenue building was occupied by multi-tenant offices; insurance, travel agency, accounting, brokerage, attorneys, therapists, marketing, engineering, and finances. Operations on-site consisted of general administration, restaurant, beauty and recreational.

## 5.3 Overview of Current Site Operations

Operations on-site consisted of general administration, restaurant, beauty and recreational.

## 5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

## Site Characteristics

| Category | Item or Feature | Observed or Identified |
|---|---|---|
| Site Operations, Processes, and Equipment | Emergency generators | |
| | Elevators | X |
| | Air compressors | |
| | Hydraulic lifts | |
| | Dry cleaning | |
| | Photo processing | |
| | Ventilation hoods and/or incinerators | |
| | Waste treatment systems and/or water treatment systems | |
| | Heating and/or cooling systems | X |
| | Paint booths | |
| | Sub-grade mechanic pits | |
| | Wash-down areas or carwashes | |
| | Pesticide/herbicide production or storage | |
| | Printing operations | |
| | Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.) | |
| | Salvage operations | |
| | Oil, gas or mineral production | |
| | Other processes or equipment | |
| Aboveground Chemical or Waste Storage | Aboveground storage tanks | |
| | Drums, barrels and/or containers ≥ 5 gallons | X |
| | MSDS or SDS | |
| Underground Chemical or Waste Storage, Drainage or Collection Systems | Underground storage tanks or ancillary UST equipment | |
| | Sumps, cisterns, French drains, catch basins and/or dry wells | |
| | Grease traps | |
| | Septic tanks and/or leach fields | |
| | Oil/water separators, clarifiers, sand traps, triple traps, interceptors | |
| | Pipeline markers | |
| | Interior floor drains | X |
| Electrical Transformers/ PCBs | Transformers and/or capacitors | |
| | Other equipment | |

| Category | Item or Feature | Observed or Identified |
|---|---|---|
| Releases or Potential Releases | Stressed vegetation | |
| | Stained soil | |
| | Stained pavement or similar surface | X |
| | Leachate and/or waste seeps | |
| | Trash, debris and/or other waste materials | X |
| | Dumping or disposal areas | |
| | Construction/demolition debris and/or dumped fill dirt | |
| | Surface water discoloration, odor, sheen, and/or free floating product | |
| | Strong, pungent or noxious odors | |
| | Exterior pipe discharges and/or other effluent discharges | |
| Other Notable Site Features | Surface water bodies | |
| | Quarries or pits | |
| | Wastewater lagoons | |
| | Wells | |

## Site Operations, Processes, and Equipment

Elevators

Two hydraulic elevators were observed at building 4952 Warner Avenue of the site. The base of the elevator pit was not observed. The hydraulic reservoirs were located in the adjoining closets to the elevator. Staining, approximately 4 SF, was observed in the elevator equipment room located in the southern portion of the building. The concrete appeared to be in a good condition and the staining appeared to be in a *de minimis* condition. According to Mr. Alireza Mirzaei, site acquisition representative, the elevator is serviced by Amtech on a monthly basis. Mr. Mirzaei is not aware of a piston/jack assembly replacement or other service activities that resulted in significant hydraulic oil releases. Based on the location of the observed staining within concrete containment, the observed area of staining does not appear to constitute a REC at this time. However, improved maintenance activities should be implemented to minimize the potential for future releases and spills in this area.

Heating and/or cooling systems

The building at 4952 Warner Avenue is equipped with heating, ventilation and air conditioning units (HVAC), water heaters, a boiler and cooling tower. The building at 4972 Warner Avenue is equipped with HVAC and water heaters. Staining, approximately 4 SF was observed in the vicinity of the boiler. The concrete appeared to be in a good condition and the staining appeared to be in a *de minimis* condition. The floor drain in the vicinity of the boiler appeared to be in a good condition as well.

### Aboveground Chemical or Waste Storage

Drums, barrels, and/or containers ≥ 5 gallons
Ten five-gallons plastic containers of paint and one 15-gallon container of cooling water treatment were observed at building 4952 Warner Avenue. In addition, three five-gallon plastic containers of paint were observed on the south site of the 4972 Warner Avenue building. Floor drains or sumps floor were not observed in the vicinity of the containers. Staining and/or releases were not observed. Based on site observations the five and 15-gallon containers do not represent a REC to the site.

### Underground Chemical or Waste Storage, Drainage or Collection Systems

Interior floor drains
Interior floor drains were observed in the restrooms and boiler room at building 4952 Warner Avenue. According to Mr. Mirzaei, the floor drains discharge to the city sanitary sewer. Potentially hazardous materials and/or petroleum products hazardous were not observed stored in the vicinity of the floor drains at the time of the site reconnaissance. Staining and/or releases to the floor drains were not observed during the site reconnaissance. Based on site observations, the interior floor drains do not represent a REC to the site.

### Releases or Potential Releases

Stained pavement or similar surfaces
Stained pavement was observed in the elevator equipment room and boiler area located at the 4952 Warner Avenue building, which was previously discussed above.

Trash, debris and/or other waste materials
A total of three solid waste disposal dumpsters, serviced by Rainbow Disposal, were observed throughout the site. No evidence of staining, noxious odors or hazardous waste disposal was observed within or in the vicinity of the on-site dumpsters. Based on site observations, the three dumpsters do not represent a REC to the site.

## 6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

**Adjoining Properties**

| Direction | Description |
|---|---|
| North | Warner Avenue abuts the site to the north followed by *Walgreens Pharmacy* (4935 Warner Avenue), a two story multi-tenant commercial retail building (4911 Warner Avenue) to the northwest and *CVS Pharmacy* (16922 Bolsa Chica Street) to the northeast of the site. |

| Direction | Description |
|---|---|
| East | Bolsa Chica Street abuts the site to the east followed by Harbor Tire Pros (5002 Warner Avenue) and single-family residences (17042-17112 Bolsa Chica Street). |
| South | The property to the adjoining south of the site consists of a commercial building occupied by *Frontier Communications* (17111 Bolsa Chica Street). |
| West | The property to the adjoining west of the site consists of the Monticello Apartments (17052 and 17062 Green Lane). |

Walgreens Pharmacy, CVS Pharmacy and Frontier Communications were listed in the regulatory database are were previously discussed in Section 4.1.

# 7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, the following additional services (e.g. visual observations for suspect asbestos and visual observations for suspect lead-based paint) were conducted.

## 7.1 Visual Observations for Suspect Asbestos

Terracon visually assessed the interior of the on-site buildings for suspect asbestos-containing materials (ACM). The limited visual observations were performed by Jennifer Van. No samples of suspect ACM were collected or analyzed as part of the observations. The visual observations for suspect ACM were restricted to readily visible and accessible building materials.

The following suspect ACM was observed:

**Summary of Suspect ACM**

| Material | Location | Friable / Non-friable |
|---|---|---|
| Dry wall and joint compound | 4952 and 4972 Warner Avenue | Non-friable |
| Window and door caulking | 4952 and 4972 Warner Avenue | Non-friable |
| Carpet adhesive | 4952 and 4972 Warner Avenue | Non-friable |
| 12” x12” vinyl floor tile and adhesive | 4952 Warner Avenue | Non-friable |
| 2’ x4’ suspended ceiling tile | 4952 and 4972 Warner Avenue | Friable |
| 2’ x2’ suspended ceiling tile | 4952 Warner Avenue | Friable |
| Cove base adhesive | 4952 and 4972 Warner Avenue | Non-friable |
| Acoustic ceiling texture | 4972 Warner Avenue | Friable |

According to Mr. Alireza Mirzaei, previous asbestos sampling activities have been conducted at the 4952 Warner Avenue building. Based on a review of the asbestos analytical results, materials including dry wall and joint compound were sampled and analyzed.

A review of previous asbestos sampling activities identified one sample with <1% chrysotile.

**Summary of ACM – 4952 Warner Avenue**

| Material | Location | Friable / Non- friable |
|---|---|---|
| Drywall with joint compound | Stairway ceiling between 2nd and 3rd floor | Non-friable |

Based on the age of the buildings (1978 and 1979), it is likely that the identified materials are ACM. Limited visual observations for asbestos is not intended to serve as a comprehensive building asbestos survey, comprehensive inspection or comprehensive assessment for the presence of ACM in all or most of the building systems, nor will it serve to adequately assess the presence of ACM in a building or portions thereof for pre-demolition or pre-renovation purposes. Terracon recommends conducting a thorough asbestos survey prior to disturbance of suspect ACM during planned renovations or building demolition.

## 7.2 Visual Observations of Suspect Lead-Based Paint

Terracon visually assessed the interior of the on-site buildings for suspect Lead-Based Paint (LBP). No samples of suspect LBP were collected or analyzed as part of the observations. The visual observations for suspect LBP were restricted to readily visible and accessible building materials.

The following suspect LBP was observed:

**Summary of Suspect LBP**

| Material | Location | Condition |
|---|---|---|
| Gray blue paint on drywall | 4952 and 4972 Warner Avenue | Good |
| White paint on drywall | 4952 and 4972 Warner Avenue | Good |
| Yellow paint on drywall | 4952 Warner Avenue | Good |
| Brown paint on drywall | 4972 Warner Avenue | Good |

Based on the age of the building (1978 and 1979), it is possible that the identified paints are LBP. The visual observations for LBP were limited to readily observable and accessible surfaces. Terracon cannot guarantee a building or property to be LBP free as the possibility exists that LBP coated surfaces may be hidden from sight or in inaccessible locations, or the homogeneous construction areas identified may not be truly homogeneous. It should be understood that these

limited visual observations for LBP should not considered to be comprehensive in nature, and the results are not intended to be used to determine lead hazards, develop abatement plans, or prepare detailed cost estimates for abatement.

# 8.0 DECLARATION

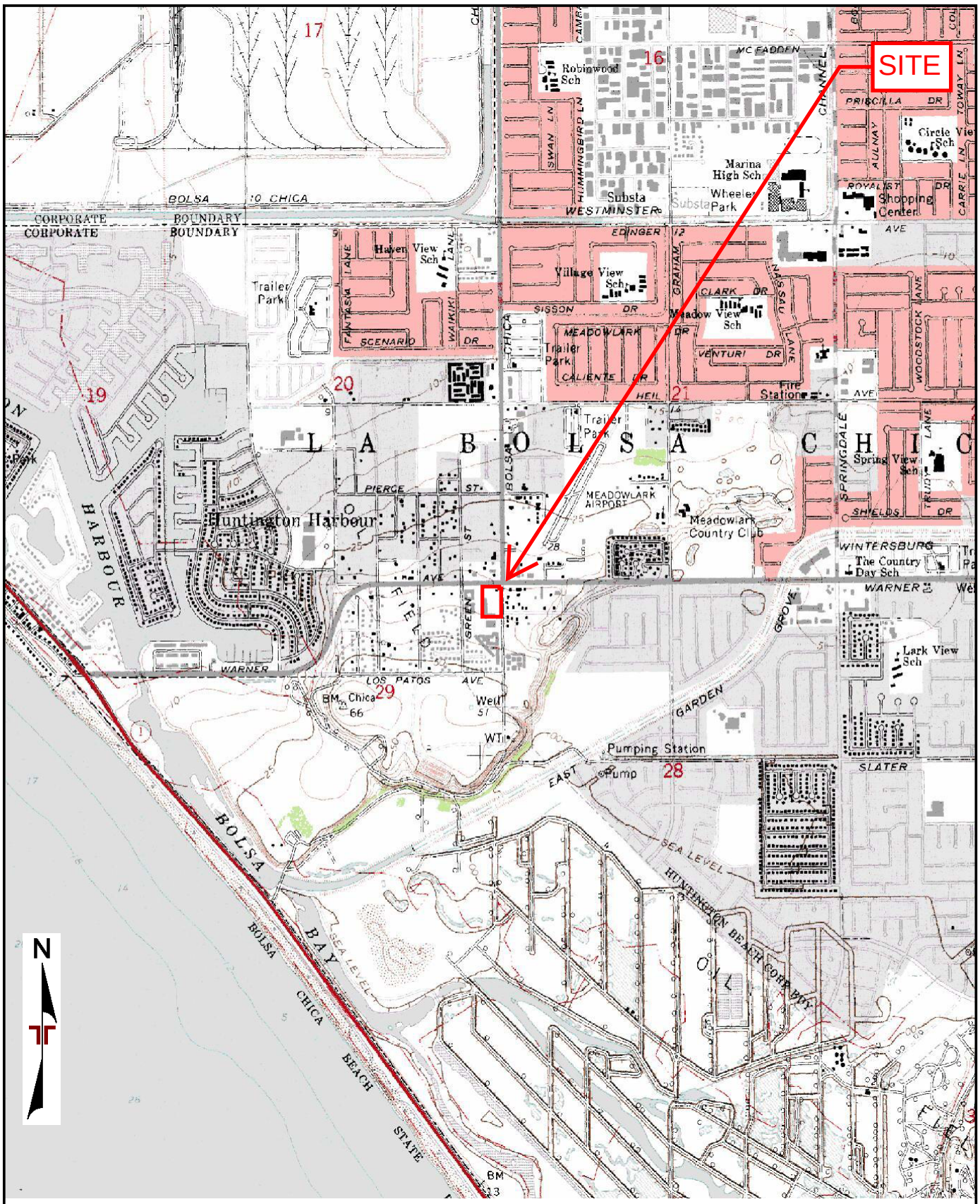
I, Jennifer S. Van, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

**DRAFT**

_____

Jennifer S. Van
Environmental Group Manager

# APPENDIX A
# EXHIBIT 1 – TOPOGRAPHIC MAP
# EXHIBIT 2 – SITE DIAGRAM




TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: SEAL BEACH, CA (1/1/1981).

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780-6287 | TOPOGRAPHIC MAP | EXHIBIT |
| Drawn by: MMH | Scale: 1"=2,000' | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>**4952 AND 4972 WARNER AVENUE**<br>**HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA** | 1 |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: March 2021 | | | |

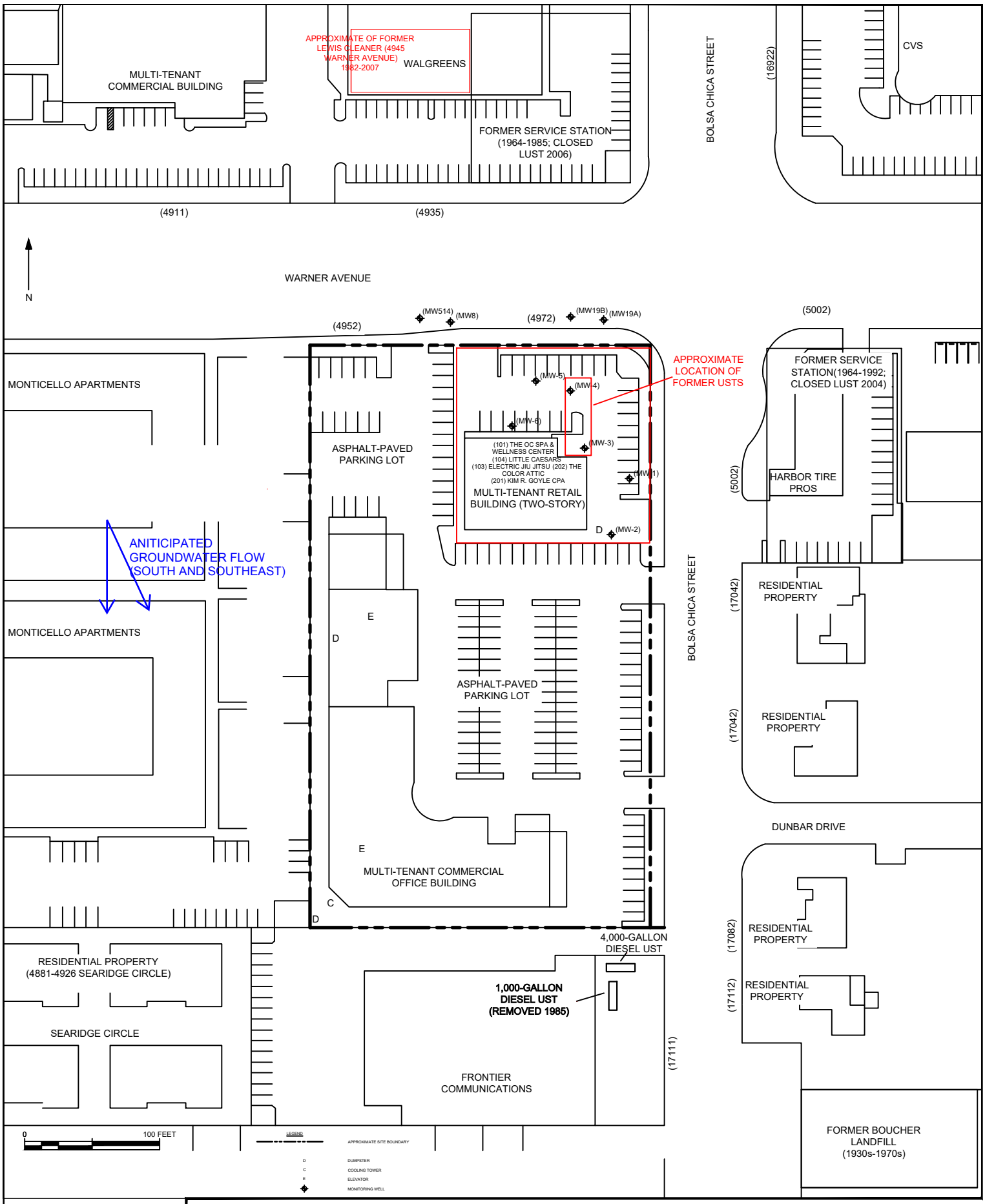



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

| | |
|---|---|
| Project Mngr: | JSV |
| Drawn By: | MMH |
| Checked By: | JSV |
| Approved By: | IRN |
| Project No. | 60217144 |
| Scale: | AS SHOWN |
| File No. | 60217144.DWG |
| Date: | 03/18/2021 |

Terracon
Consulting Engineers and Scientists
1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

PROPOSED SENIOR LIVING DEVELOPMENT-HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

EXHIBIT
2

# APPENDIX B
# SITE PHOTOGRAPHS

**Photo #1** View of the 4952 Warner Avenue building located on the west and southern portions of the site.

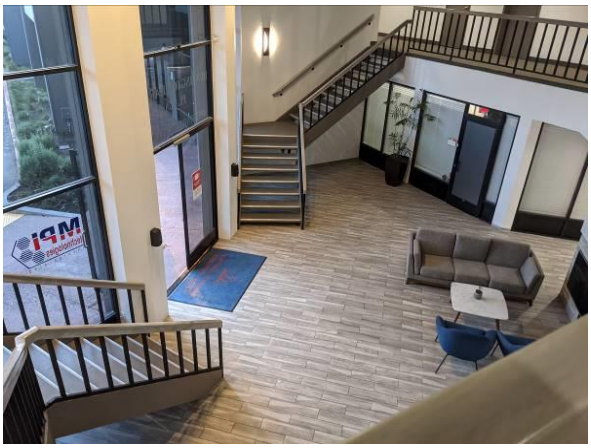


**Photo #2** Interior view of the lobby area of the 4952 Warner Avenue building.

**Photo #3** Typical view of an interior floor drain located at 4952 Warner Avenue.

**Photo #4** Typical view of the roof-top of the building at 4952 Warner Avenue.

**Photo #5** View of the boiler located in the south western portion of the 4952 Warner Avenue building.

**Photo #6** View of the water heater located at the 4952 Warner Avenue building.

**Photo #7** View of the cooling tower chemicals associated with the 4952 Warner Avenue building.

**Photo #8** View of the paint storage area located in the southwestern portion of the 4952 Warner Avenue building.

**Photo #9** View of the elevator equipment located in the southwestern portion of the 4952 Warner Avenue building.

**Photo #10** View of the elevator equipment located in the northern portion of the 4952 Warner Avenue building.

**Photo #11** View of the solid waste disposal dumpster located on the southwest corner of the site.

**Photo #12** View of the solid waste disposal dumpster located in the northern portion of the 4952 Warner Avenue building.

**Photo #13** View of the cooling tower located on the southwest side of the 4952 Warner Avenue building.

**Photo #14** View of the western portion of the site looking north from the southwest corner of the site.

**Photo #15** View of the southern portion of the site looking east from the southwest corner of the site.

**Photo #16** View of the 4972 Warner Avenue building located on the northeast portion of the site.

**Photo #17** Interior view of the OC Spa and Wellness Center (4972 Warner Avenue, Suite 101).

**Photo #18** Interior View of Little Caesars (4972 Warner Avenue, Suite 104).

**Photo #19** Interior view of Electric Jiu Jitsu (4972 Warner Avenue, Suite 103).

**Photo #20** View of the restroom located on the send floor of the 4972 Warner Avenue building.

**Photo #21** View of the Colour Attic (4972 Warner Avenue, Suite 202).

**Photo #22** View of Kim R. Goyle CPA (4972 Warner Avenue, Suite 201).

**Photo #23** View of containers of paint located on the south side of the 4972 Warner Avenue building.

**Photo #24** View of the solid waste disposal dumpster located on the east portion of the site.

**Photo #25** View of Walgreens (4935 Warner Avenue) located to the adjacent north of the site.

**Photo #26** View of CVS (16922 Blosa Chica Street) located to the adjacent northeast of the site.

**Photo #27** View of Harbor Tire Pros (5002 Warner Avenue) located to the adjacent east of the northern portion of the site.

**Photo #28** View of single-family residences located to the adjacent east of the southern portion of the site.

**Photo #29** View of Frontier Communications and a diesel UST tank hold (17111 Bolsa Chica Street) located to the adjoining south of the site.

**Photo #30** View of the Monticello Apartments (17052 & 17062 Green Lane) located to the adjoining west of the site.

# APPENDIX C
# HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

STEVEN K. WONG, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
E-MAIL: environhealth@hca.co.orange.ca.us

*Excellence*
*Integrity*
*Service*

June 1, 2004

Natasha Molla
Chevron Environmental Management Company
145 S. State College Blvd.
Brea, CA 92822-2292

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
ChevronTexaco Heritage Site #21-2242
4972 Warner Avenue
Huntington Beach, CA 92649
OCHCA Case #03UT18

Dear Ms. Molla:

This letter confirms the completion of site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code.

Please contact Arghavan Rashidi-Fard of our office at (714) 667-3713 if you have any questions regarding this matter.

Sincerely,

Steven K. Wong, REHS, MPH, Director
Environmental Health Division

Attachment: Case Closure Summary

cc: Tom Mbeke-Ekanem, Santa Ana Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health
Steven Draper, SAIC Inc.
Virginia Filipan

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Cause and type of release: **Not known** | | |
| Site characterization complete? **Yes** | Date approved by oversight agency: **9-23-03** | |
| Monitoring wells installed? **Yes** | Number: **6** | Proper screened interval? **Yes** |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | Flow direction: **South/southeast** |
| Most sensitive current use: **Domestic and Municipal Supply** | | |
| Are drinking water wells affected? **No** | Aquifer name: | |
| Is surface water affected? **No** | Nearest/affected SW name | |
| Off-site beneficial use impacts (addresses/locations): **None** | | |
| Report(s) on file? **Yes** | Where is report(s) filed? **OCHCA** | |

### Treatment and Disposal of Affected Material

| Material | Amount (include Units) | Action (treatment or disposal/destination) | Date |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Cause and type of release: **Not known** | | |
| Site characterization complete? **Yes** | Date approved by oversight agency: **9-23-03** | |
| Monitoring wells installed? **Yes** | Number: **6** | Proper screened interval? **Yes** |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | Flow direction: **South/southeast** |
| Most sensitive current use: **Domestic and Municipal Supply** | | |
| Are drinking water wells affected? **No** | Aquifer name: | |
| Is surface water affected? **No** | Nearest/affected SW name | |
| Off-site beneficial use impacts (addresses/locations): **None** | | |
| Report(s) on file? **Yes** | Where is report(s) filed? **OCHCA** | |

### Treatment and Disposal of Affected Material

| Material | Amount (include Units) | Action (treatment or disposal/destination) | Date |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018

Date: **March 16, 2004**

## III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

| Contaminant | Soil (ppm) | | Water (ppm) | | | Contaminant | Soil (ppm) | | Water (ppm) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Before | After | Before | After | Grab Sample | | Before | After | Before | After |
| TPH (gas) | **6700** | **same** | **2.340** | **2.300** | **53** | MTBE | **NA** | **ND** | **ND** | **ND** |
| TPH (diesel) | **1200** | **same** | **.860** | **.510** | **44** | TBA | **NA** | **ND** | **.018** | **.027** |
| Benzene | **3.7** | **same** | **.084** | **.089** | **9.2** | DIPE | **NA** | **ND** | **ND** | **ND** |
| Toluene | **66.2** | **same** | **.140** | **.350** | **8.1** | TAME | **NA** | **ND** | **ND** | **ND** |
| Ethylbenzene | **31.5** | **same** | **.078** | **.082** | **2.2** | ETBE | **NA** | **ND** | **ND** | **ND** |
| Xylenes | **690** | **same** | **.217** | **.360** | **4.6** | | | | | |

Comments (Depth of Remediation, etc.): **The site was operated as a gas station from 1963 to 1977. Site assessment activities consisting of nine borings and one well were conducted in 1993 and 1994 for a property transaction for a bank. Soil and groundwater contamination was detected during those site assessment activities; however, the results were not reported to this Agency until 2003 when Chevron's legal department reviewed the findings and decided further site assessment was necessary. Additional site assessment including installation of five additional wells was conducted to delineate the extent of the plume in 11-02 and 7-03. The highest soil contamination listed in the table above was detected in borings FNB-B6 and MW-3 drilled in the south end of the former tank excavation between 26 and 36 feet below grade (fbg) in borings that are approximately 20 feet apart. FNB-B6 was drilled in November 1993 while MW-3 was installed in November 2002.**

**During the initial assessment in November 1993, one grab groundwater sample was collected from the worst case boring FNB-B6. The results of the grab groundwater sample are listed in the table above. The BTEX in groundwater samples collected from the six wells have been below the MCLs or Santa Ana Regional Water Quality Control Board's "low-risk" concentrations, except for toluene at 350 ppb detected in well MW-3 on in December 2003. Well MW-2 located downgradient of the MW-3 and boring FNB-B6 and former tank excavation was dry for three quarters. Results from December 2003 sampling showed 2.6 ppb benzene, 1.6 ppb xylenes, and non-detect for toluene and ethylbenzene.**

**No further work is recommended for the site with the following considerations:**

- **The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of a southeastern dispenser at depths between 26 to 36 fbg.**
- **The known soil contamination has not significantly impacted groundwater as evident by groundwater results.**
- **The benzene levels seen in well MW-3, the nearest upgradient well to the present building, do not provide a vapor intrusion threat.**

## IV. Closure

| | | |
|---|---|---|
| Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes** | | |
| Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? | | |
| Does corrective action protect public health for current land use? **Yes** | | |
| Site management requirements: **OCHCA must be notified if a structure is going to be place over the area where high soil contaminants remain in place.** | | |
| Should corrective action be reviewed if land use changes? **Yes, if land use changes to residential.** | | |
| Monitoring wells decommissioned **No** | Number decommissioned: | Number Retained: |
| List enforcement actions taken | | |
| List enforcement actions rescinded | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018
Date: March 15, 2004

## V. Local Agency Representative Data

| | | | |
|---|---|---|---|
| Name: Arghavan Rashidi-Fard | | Title: Hazardous Waste Specialist | |
| Signature: Arghavan Rashidi-Fard | | 3-22-04 Karen V. Hood 3/26/04 | Date: 3-15-04 |

## VI. RWQCB Notification

| | | | |
|---|---|---|---|
| Date Submitted to RB: 3-26-04 | | RB Response: Concur w/ Closure | |
| RWQCB Staff Name: Tom Mbeke Ekanem | Title: Sanitary Engineering Associate | | Date: 4/5/04 |
| RWQCB Staff Name: Kenneth R. Williams | Title: Chief, UST Section | | |
| Signature: Kenneth R. Williams | | | Date: 4/5/04 |

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file. Revised: 4/14/94

Proposed Senior Living Development - HB

4952 and 4972 Warner Avenue

Huntington Beach, CA 92649

Inquiry Number: 6404402.4

March 15, 2021

# EDR Historical Topo Map Report

## with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topo Map Report

03/15/21

| Site Name: | Client Name: |
|---|---|
| Proposed Senior Living Develo | Terracon |
| 4952 and 4972 Warner Avenue | 1421 Edinger Avenue |
| Huntington Beach, CA 92649 | Tustin, CA 92780 |
| EDR Inquiry # 6404402.4 | Contact: Meg Haile |

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Terracon were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

***Search Results:***

**P.O.#** NA

**Project:** 60217144

***Coordinates:***

| | |
|---|---|
| **Latitude:** | 33.714457 33° 42' 52" North |
| **Longitude:** | -118.042063 -118° 2' 31" West |
| **UTM Zone:** | Zone 11 North |
| **UTM X Meters:** | 403444.88 |
| **UTM Y Meters:** | 3730983.67 |
| **Elevation:** | 40.14' above sea level |

**Maps Provided:**

| | |
|---|---|
| 2012 | 1935 |
| 1981 | 1934 |
| 1972 | 1896 |
| 1965 | |
| 1950 | |
| 1949 | |
| 1943 | |
| 1941 | |

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## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2012 Source Sheets

Seal Beach
2012
7.5-minute, 24000

### 1981 Source Sheets

Seal Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978

### 1972 Source Sheets

Seal Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

### 1965 Source Sheets

Seal Beach
1965
7.5-minute, 24000
Aerial Photo Revised 1963

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

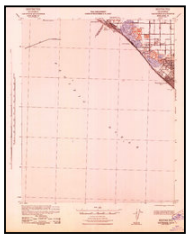
### 1950 Source Sheets

Seal Beach
1950
7.5-minute, 24000
Aerial Photo Revised 1947

### 1949 Source Sheets

Seal Beach
1949
7.5-minute, 24000
Aerial Photo Revised 1947

### 1943 Source Sheets



Las Bolsas
1943
15-minute, 62500

### 1941 Source Sheets

Las Bolsas
1941
15-minute, 62500
Aerial Photo Revised 1939

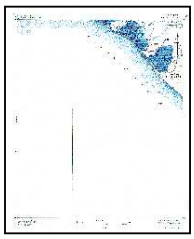
## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1935 Source Sheets

Seal Beach
1935
7.5-minute, 31680

### 1934 Source Sheets



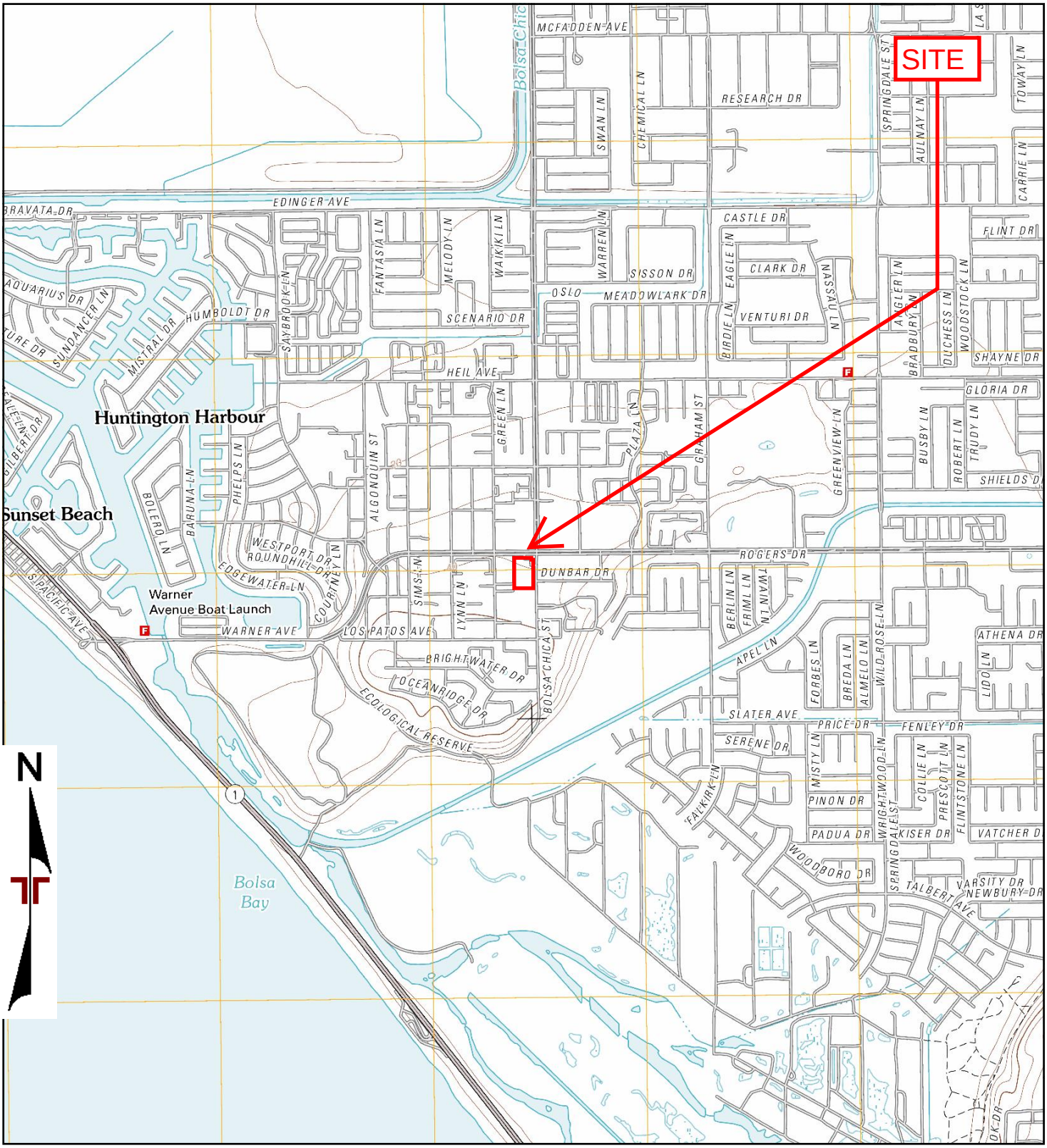
LAS BOLSAS
1934
15-minute, 62500

### 1896 Source Sheets

Las Bolsas
1896
15-minute, 62500

# Topographic Map

2012




TP, Seal Beach, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| Project Manager: JSV | Project No. 60217144 |
|---|---|
| Drawn by: MMH | Scale: As Shown |
| Checked by: JSV | File Name: N/A |
| Approved by: IRN | Date: 2012 |

Terracon
1421 Edinger Avenue, Suite C
Tustin, California 92780

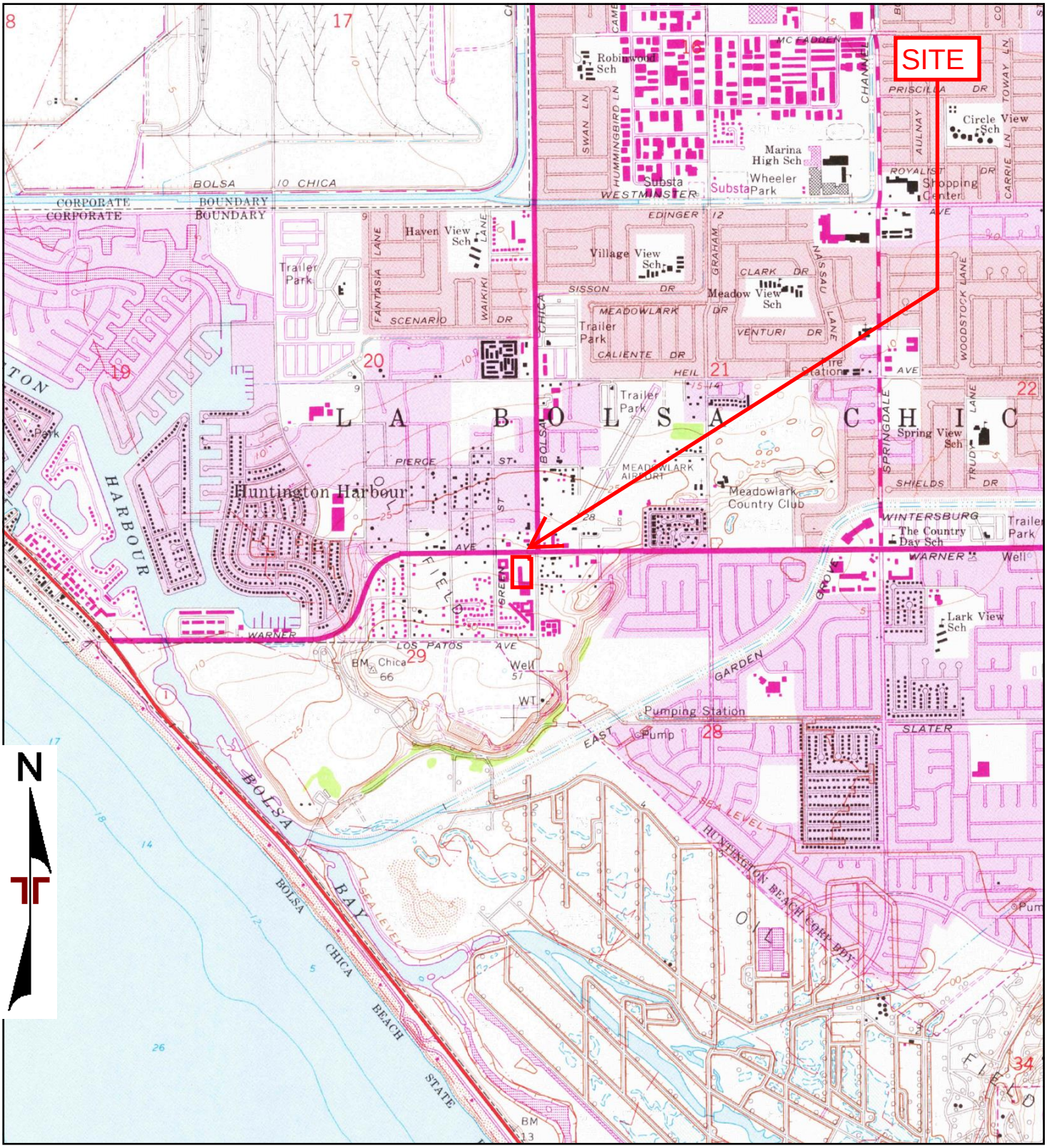
2012 TOPOGRAPHIC MAP

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

Appendix C

# Topographic Map

1981




TP, Seal Beach, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| Project Manager: JSV | Project No. 60217144 |
|---|---|
| Drawn by: MMH | Scale: As Shown |
| Checked by: JSV | File Name: N/A |
| Approved by: IRN | Date: 1981 |

Terracon
1421 Edinger Avenue, Suite C
Tustin, California 92780

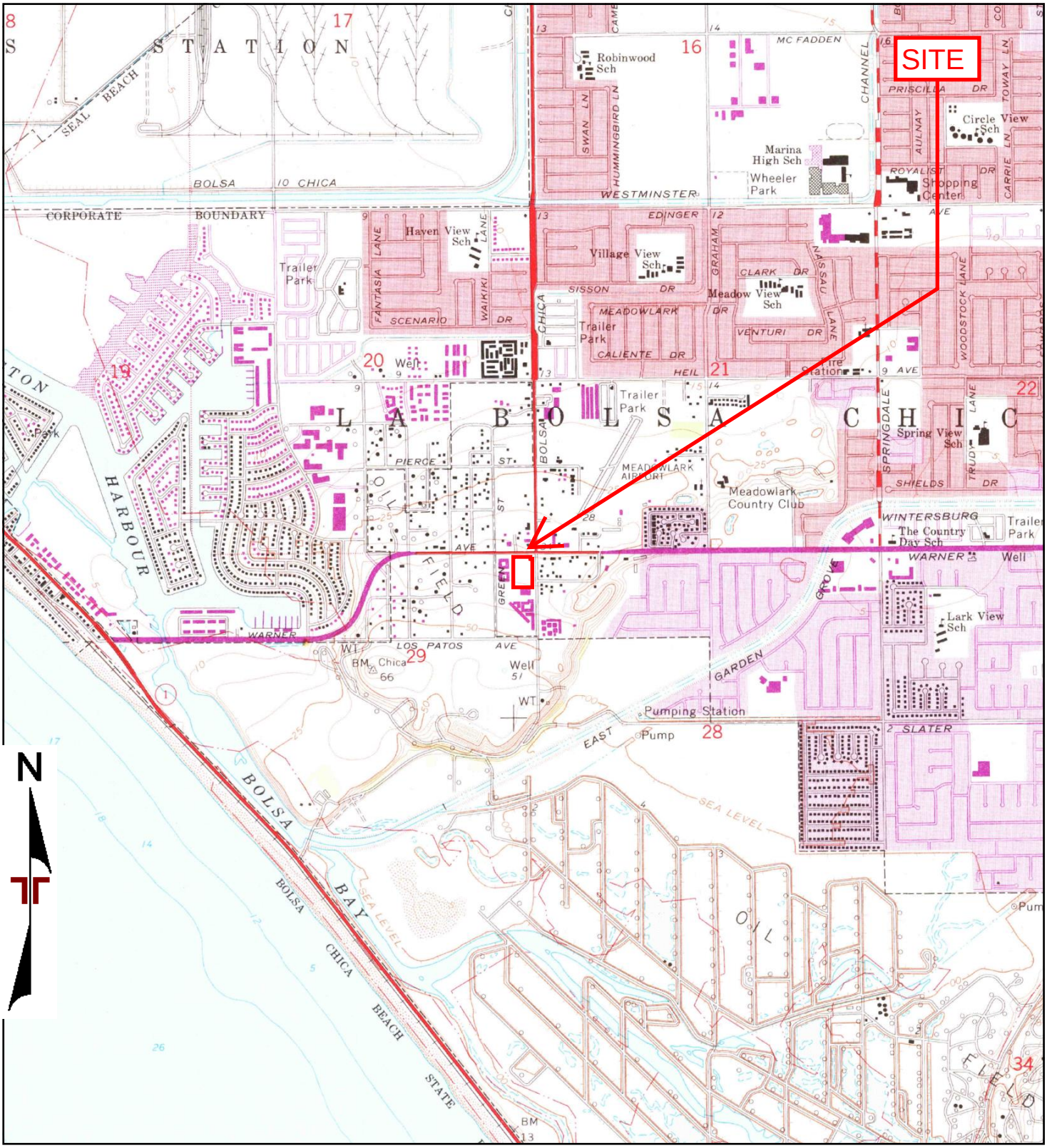
1981 TOPOGRAPHIC MAP

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

Appendix C

# Topographic Map

1972



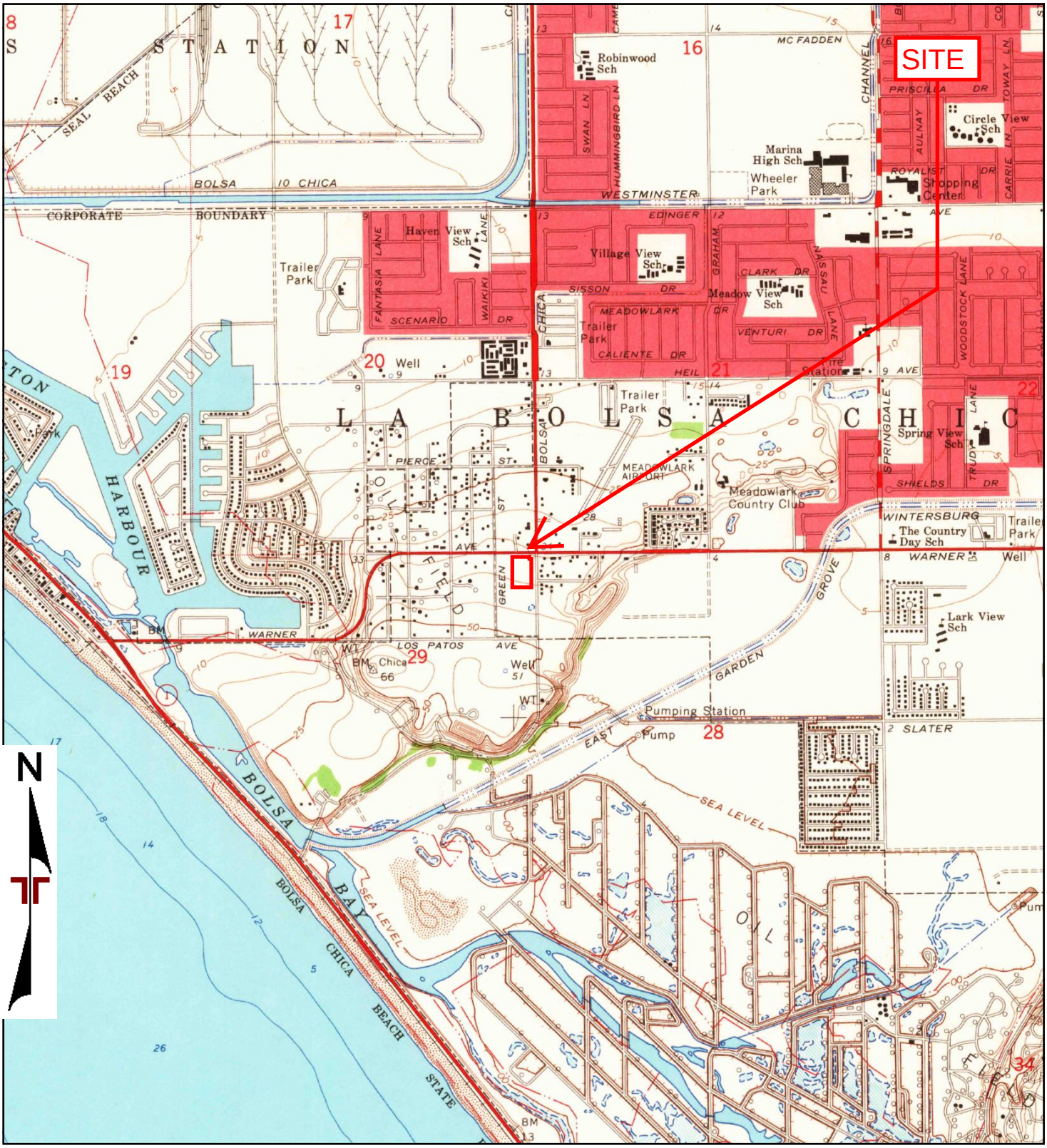

TP, Seal Beach, 1972, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1972 TOPOGRAPHIC MAP<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | Appendix |
| Drawn by: MMH | Scale: As Shown | | | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1972 | | | |

# Topographic Map

1965




TP, Seal Beach, 1965, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1965 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1965 | | | |

# Topographic Map

1950

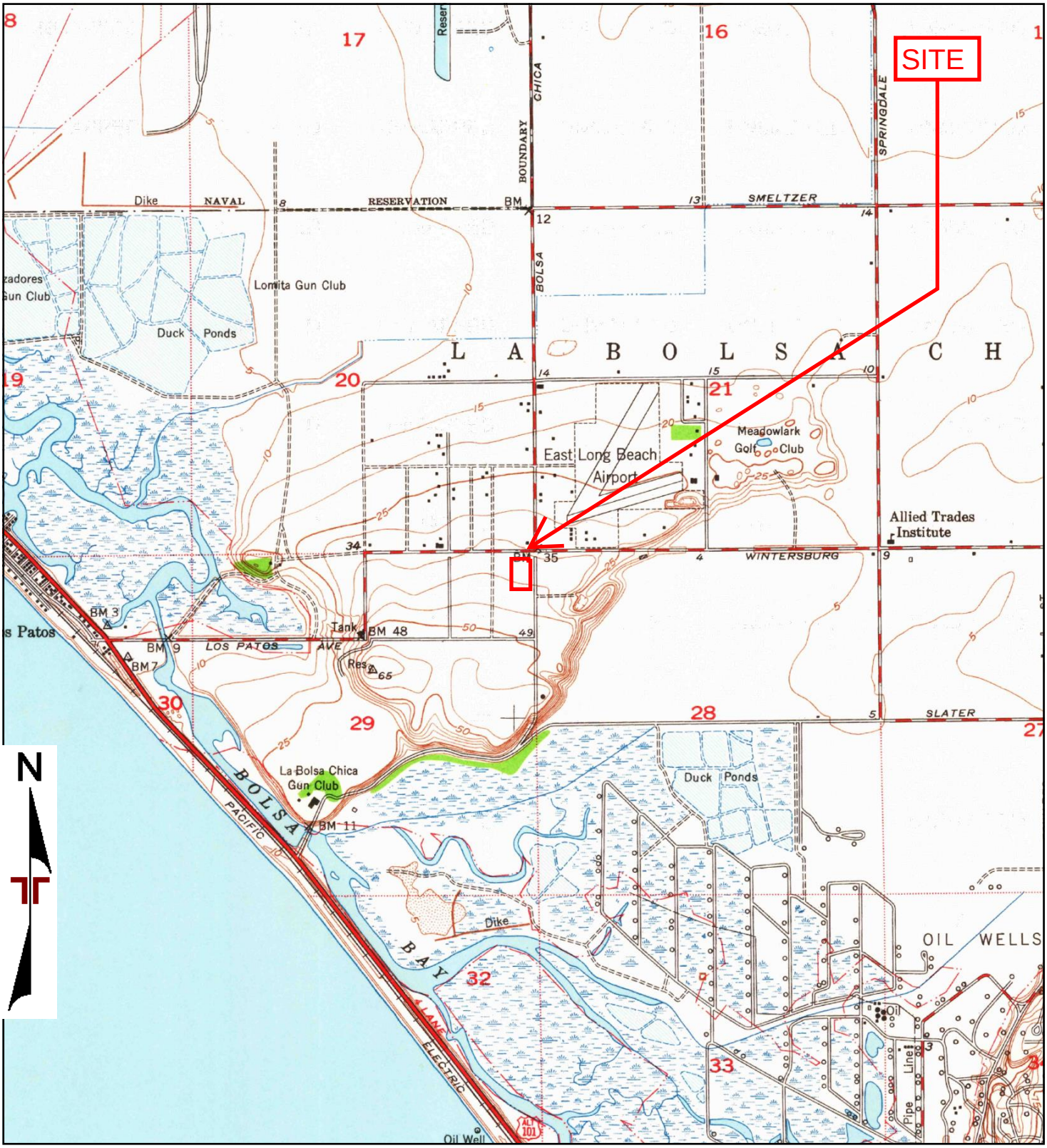
TP, Seal Beach, 1950, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1950 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1950 | | | |

# Topographic Map

1949



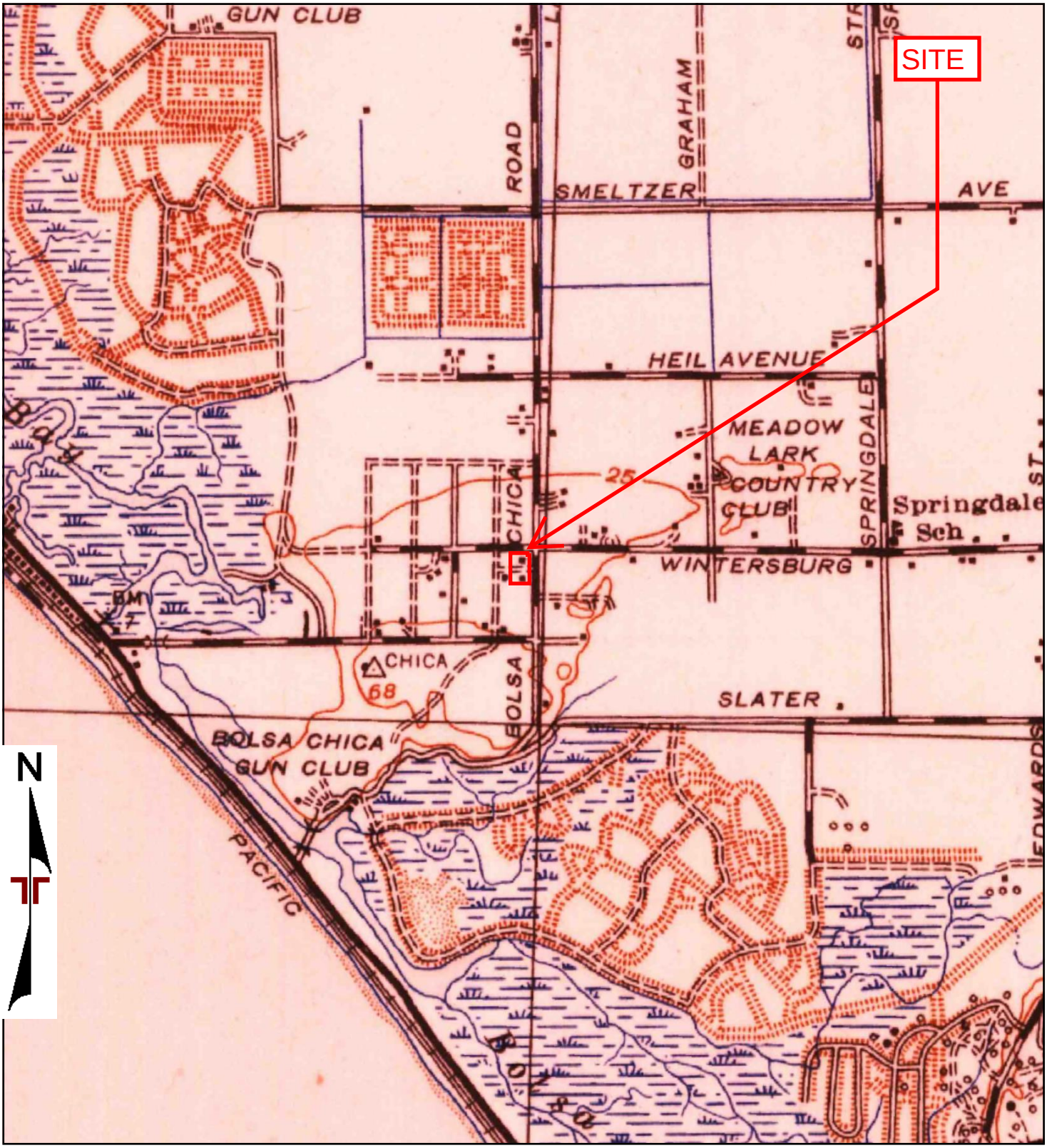

TP, Seal Beach, 1949, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1949 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1949 | | | |

# Topographic Map

1943



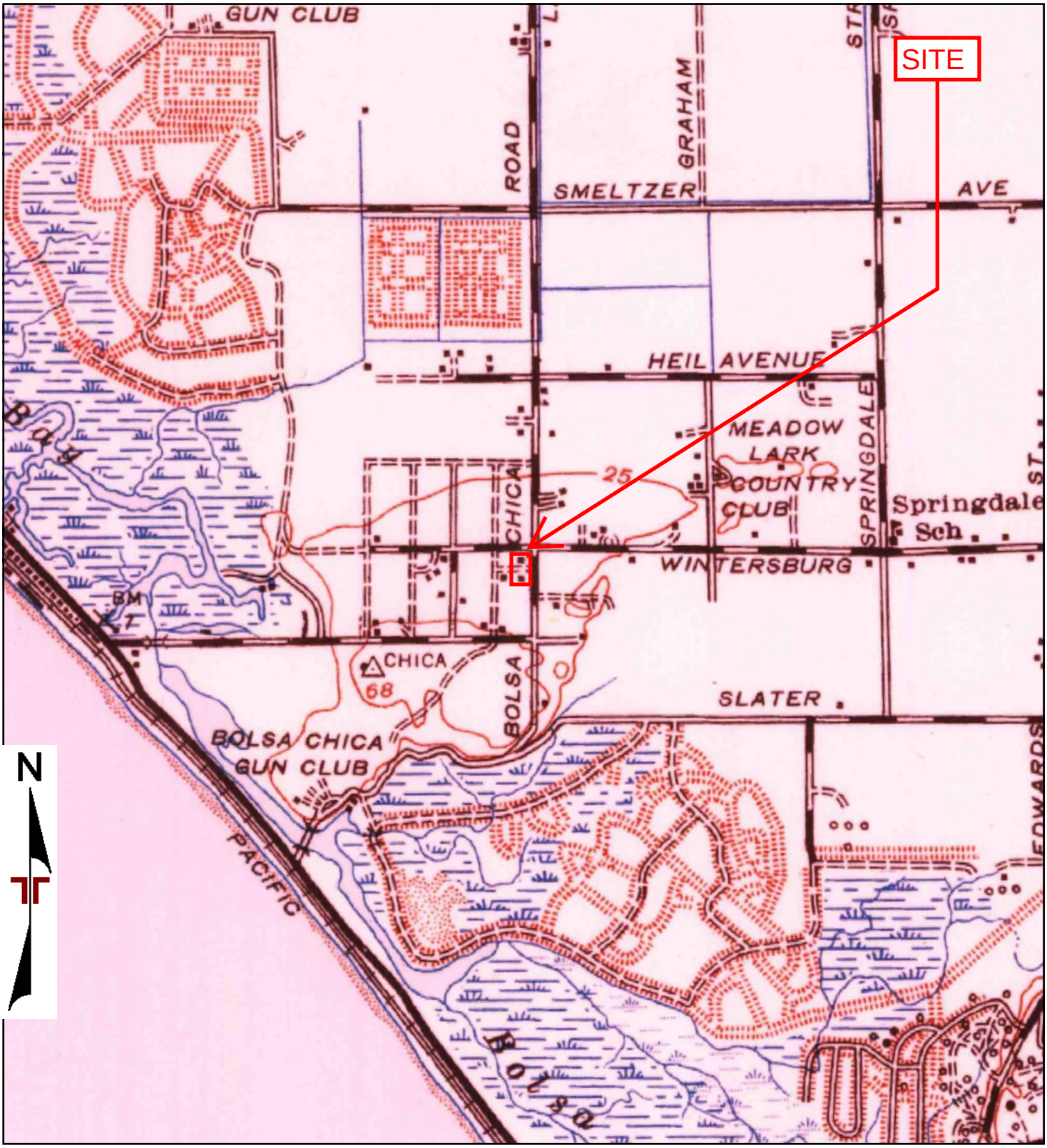

TP, Las Bolsas, 1943, 15-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1943 TOPOGRAPHIC MAP<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | Appendix<br>C |
| Drawn by: MMH | Scale: As Shown | | | |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1943 | | | |

# Topographic Map

1941



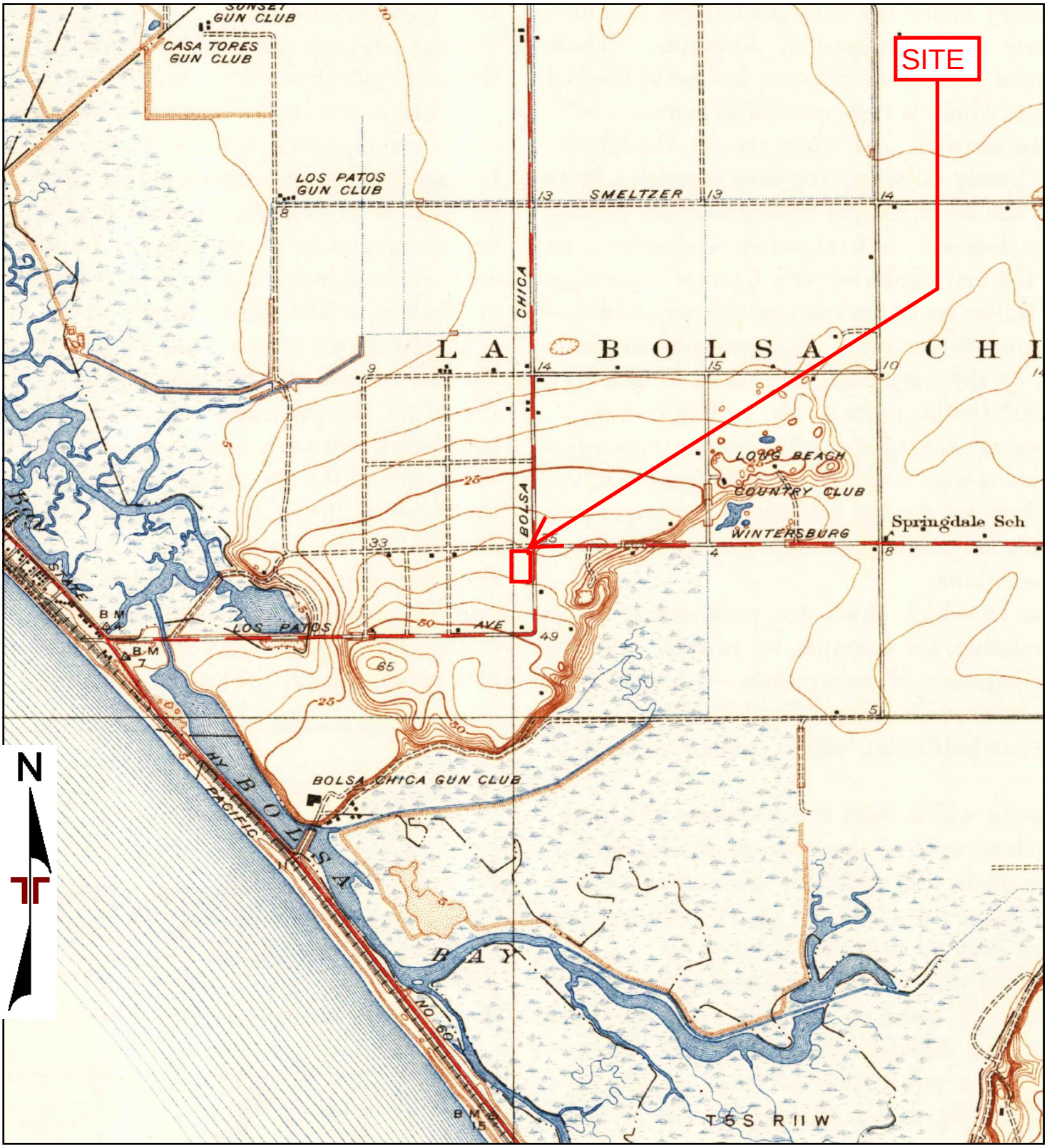

TP, Las Bolsas, 1941, 15-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1941 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1941 | | | |

# Topographic Map

1935



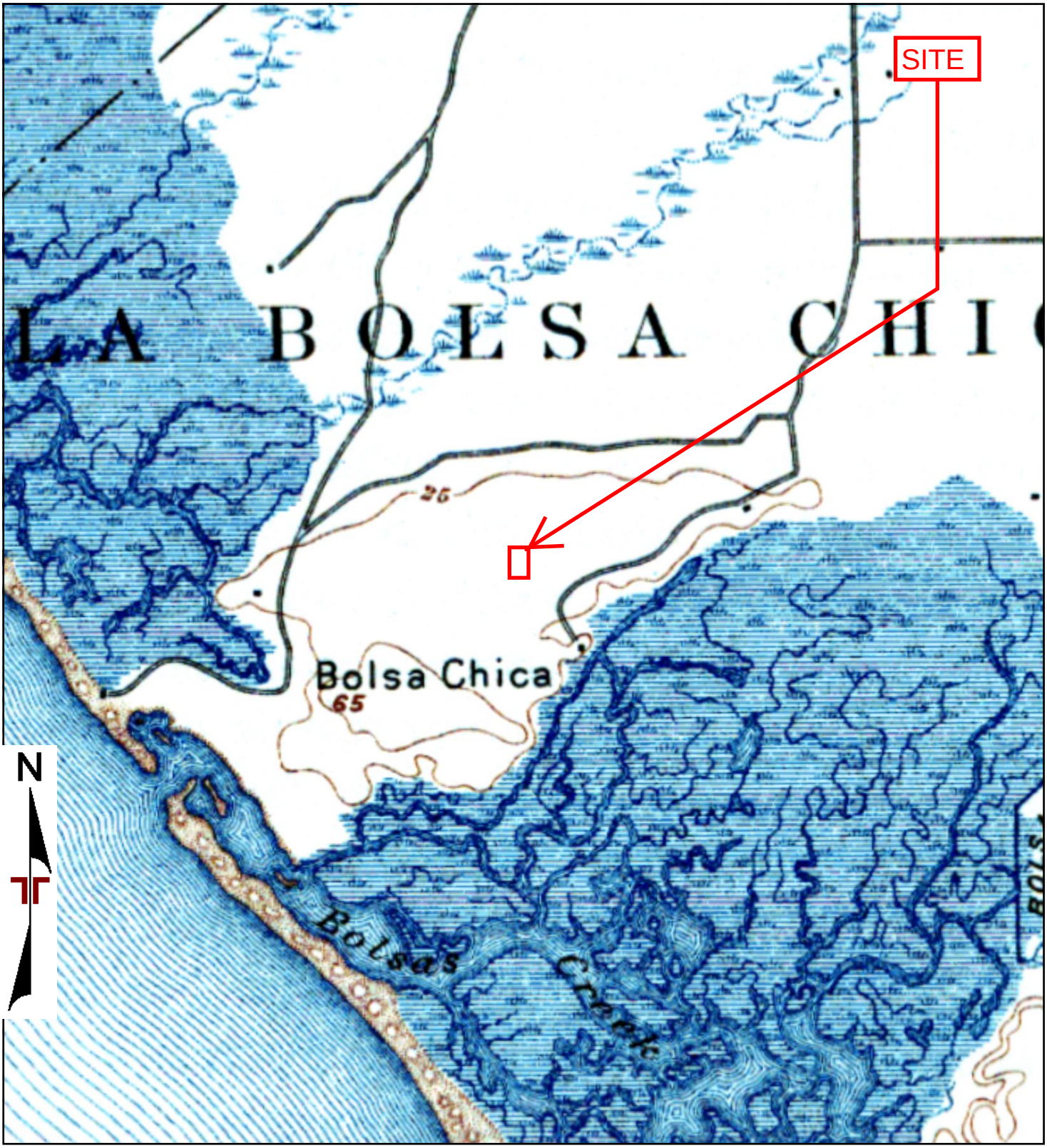

TP, Seal Beach, 1935, 7.5-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1935 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1935 | | | |

# Topographic Map

1934




TP, LAS BOLSAS, 1934, 15-minute

0 Miles 0.25 0.5 1 1.5

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1934 TOPOGRAPHIC MAP<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn by: MMH | Scale: As Shown | | |
| Checked by: JSV | File Name: N/A | | |
| Approved by: IRN | Date: 1934 | | |

Appendix C

# Topographic Map

1896

TP, Las Bolsas, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No. 60217144 | Terracon 1421 Edinger Avenue, Suite C Tustin, California 92780 | 1896 TOPOGRAPHIC MAP | Appendix |
| Drawn by: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked by: JSV | File Name: N/A | | | |
| Approved by: IRN | Date: 1896 | | | |

**Proposed Senior Living Development - HB**

4952 and 4972 Warner Avenue

Huntington Beach, CA 92649

Inquiry Number: 6404402.8

March 15, 2021

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

03/15/21

**Site Name:**

Proposed Senior Living Develo
4952 and 4972 Warner Avenue
Huntington Beach, CA 92649
EDR Inquiry # 6404402.8

**Client Name:**

Terracon
1421 Edinger Avenue
Tustin, CA 92780
Contact: Meg Haile

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

***Search Results:***

| *Year* | *Scale* | *Details* | *Source* |
|---|---|---|---|
| 2016 | 1"=500' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=500' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2005 | 1"=500' | Flight Year: 2005 | USDA/NAIP |
| 2002 | 1"=500' | Acquisition Date: January 01, 2002 | USGS/DOQQ |
| 1994 | 1"=500' | Acquisition Date: June 01, 1994 | USGS/DOQQ |
| 1990 | 1"=500' | Flight Date: September 06, 1990 | USDA |
| 1988 | 1"=500' | Flight Date: September 13, 1988 | USDA |
| 1977 | 1"=500' | Flight Date: January 18, 1977 | EDR Proprietary Brewster Pacific |
| 1972 | 1"=500' | Flight Date: October 30, 1972 | USGS |
| 1963 | 1"=500' | Flight Date: February 28, 1963 | USGS |
| 1952 | 1"=500' | Flight Date: December 26, 1952 | USDA |
| 1947 | 1"=500' | Flight Date: July 01, 1947 | FAIR |
| 1938 | 1"=500' | Flight Date: June 21, 1938 | USDA |
| 1928 | 1"=500' | Flight Date: January 01, 1928 | FAIR |

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# Aerial Photograph

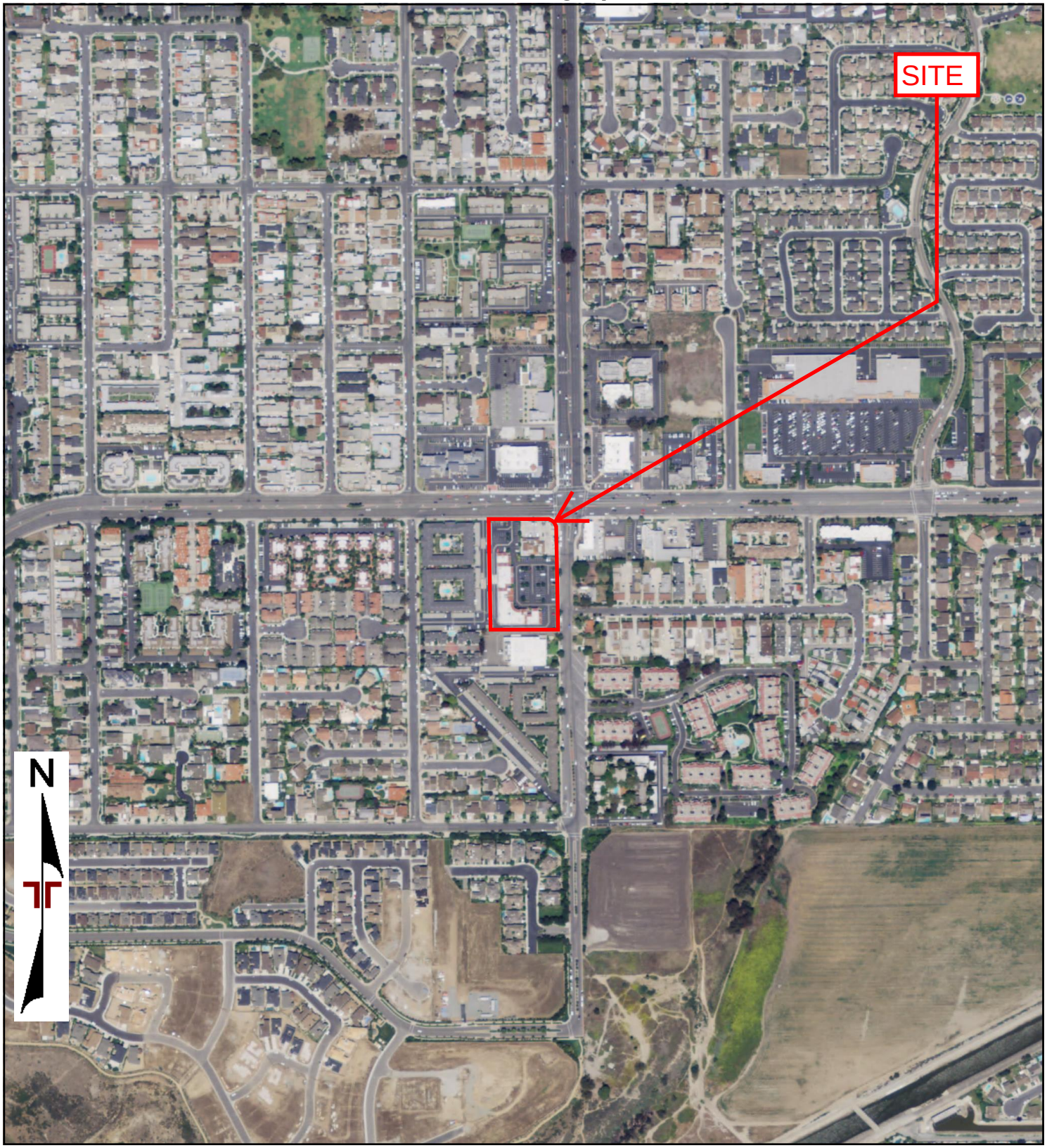
2016

0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 2016 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 2016 | | | |

# Aerial Photograph

2012




0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 2012 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 2012 | | | |

# Aerial Photograph

2009

0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 2009 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 2009 | | | |

# Aerial Photograph

2005

0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 2005 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 2005 | | |

Appendix C

# Aerial Photograph

2002

0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 2002 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 2002 | | |

Appendix

C

# Aerial Photograph

1994

0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1994 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 1994 | | | |

# Aerial Photograph

1990

0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1990 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 1990 | | | |

# Aerial Photograph

1988

0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1988 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1988 | | |

Appendix C

# Aerial Photograph

1977

0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1977 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1977 | | |

Appendix C

# Aerial Photograph

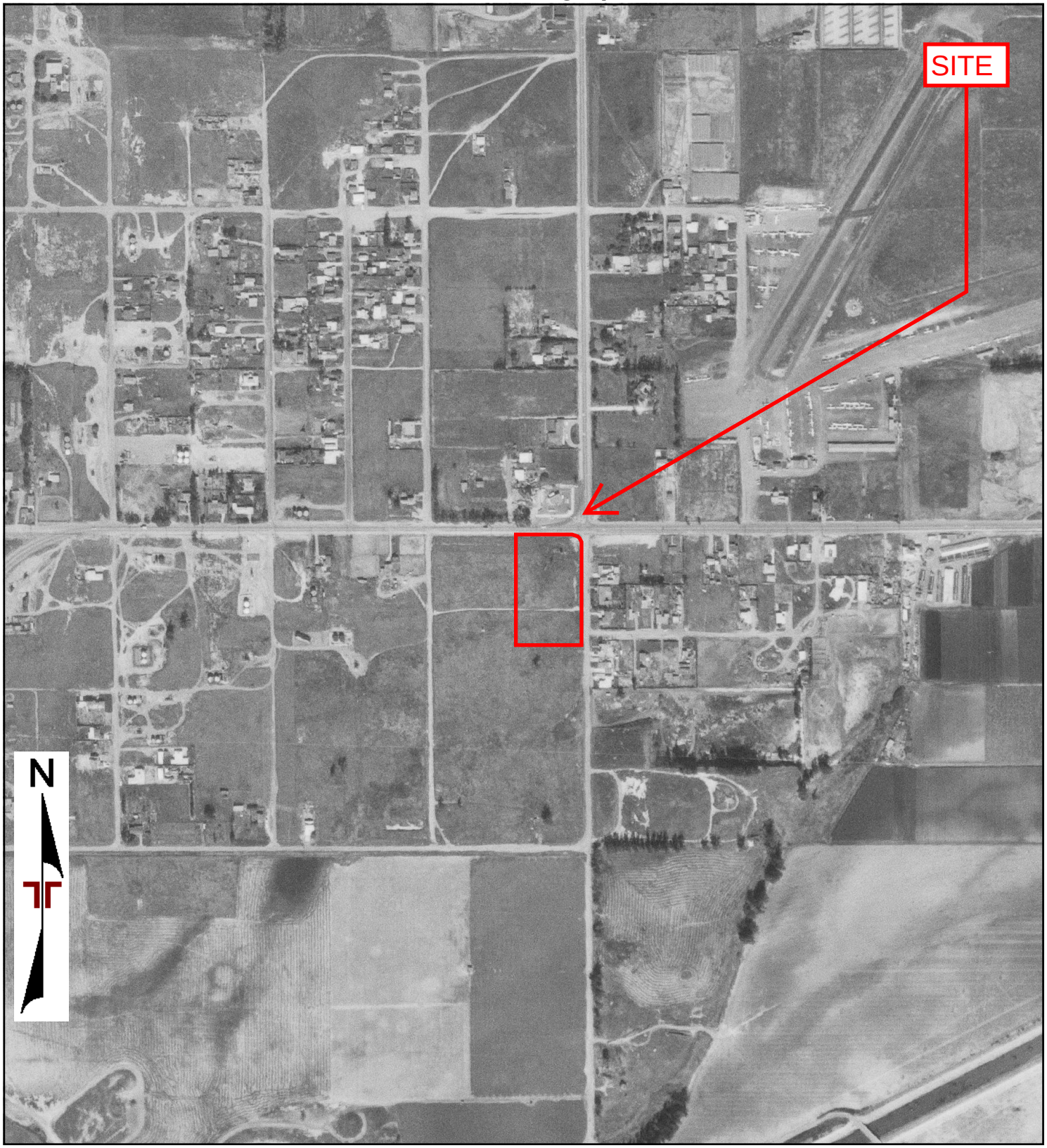
1972

0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1972 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 1972 | | | |

# Aerial Photograph

1963

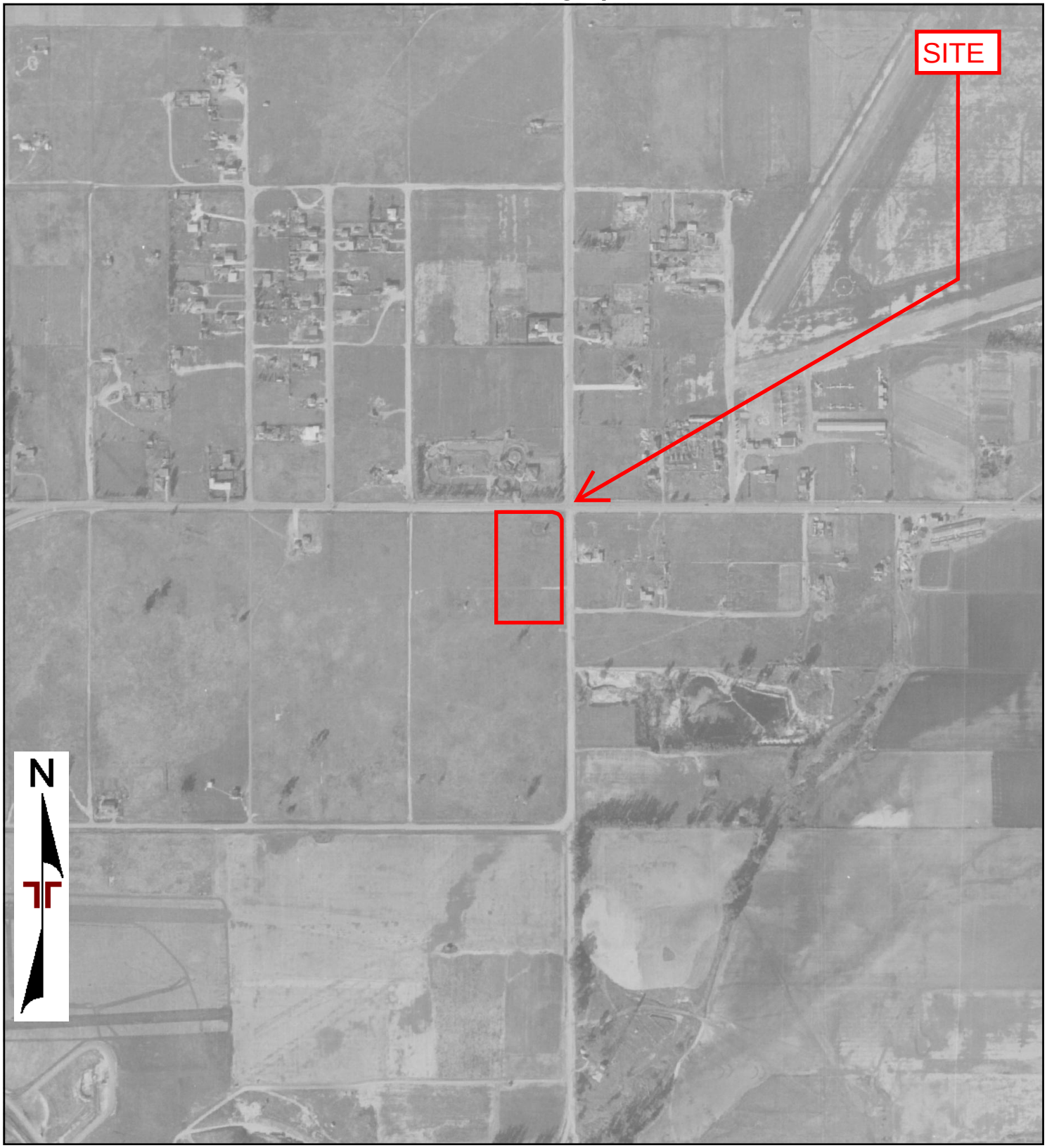



0 Feet 500 1000 2000

| | | | | |
|---|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1963 AERIAL PHOTOGRAPH | Appendix |
| Drawn By: MMH | Scale: As Shown | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA | C |
| Checked By: JSV | File Name: N/A | | | |
| Approved By: IRN | Date: 1963 | | | |

# Aerial Photograph

1952




0 Feet 500 1000 2000

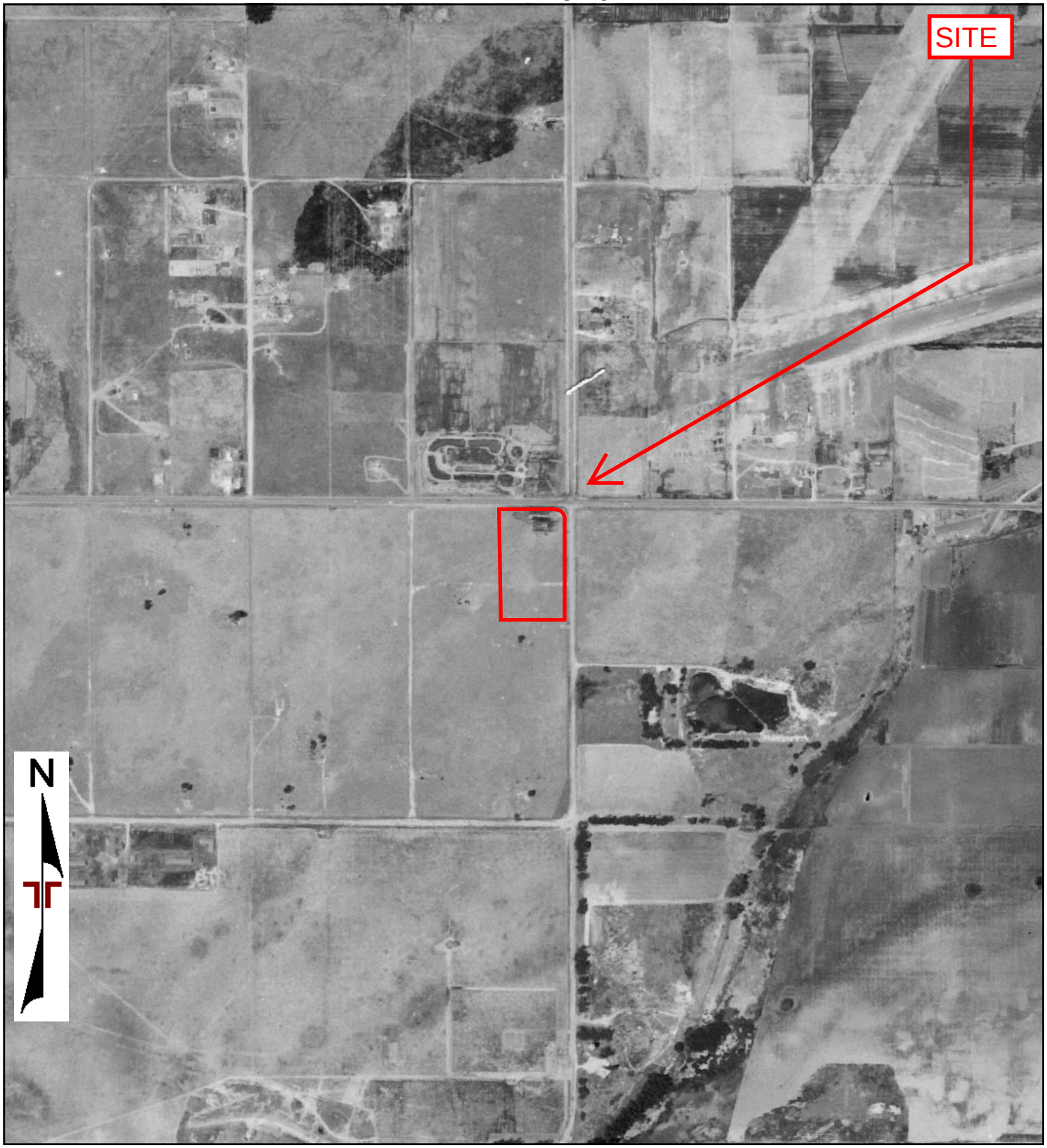
| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1952 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1952 | | |

Appendix

C

# Aerial Photograph

1947




0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1947 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1947 | | |

Appendix C

# Aerial Photograph

1938

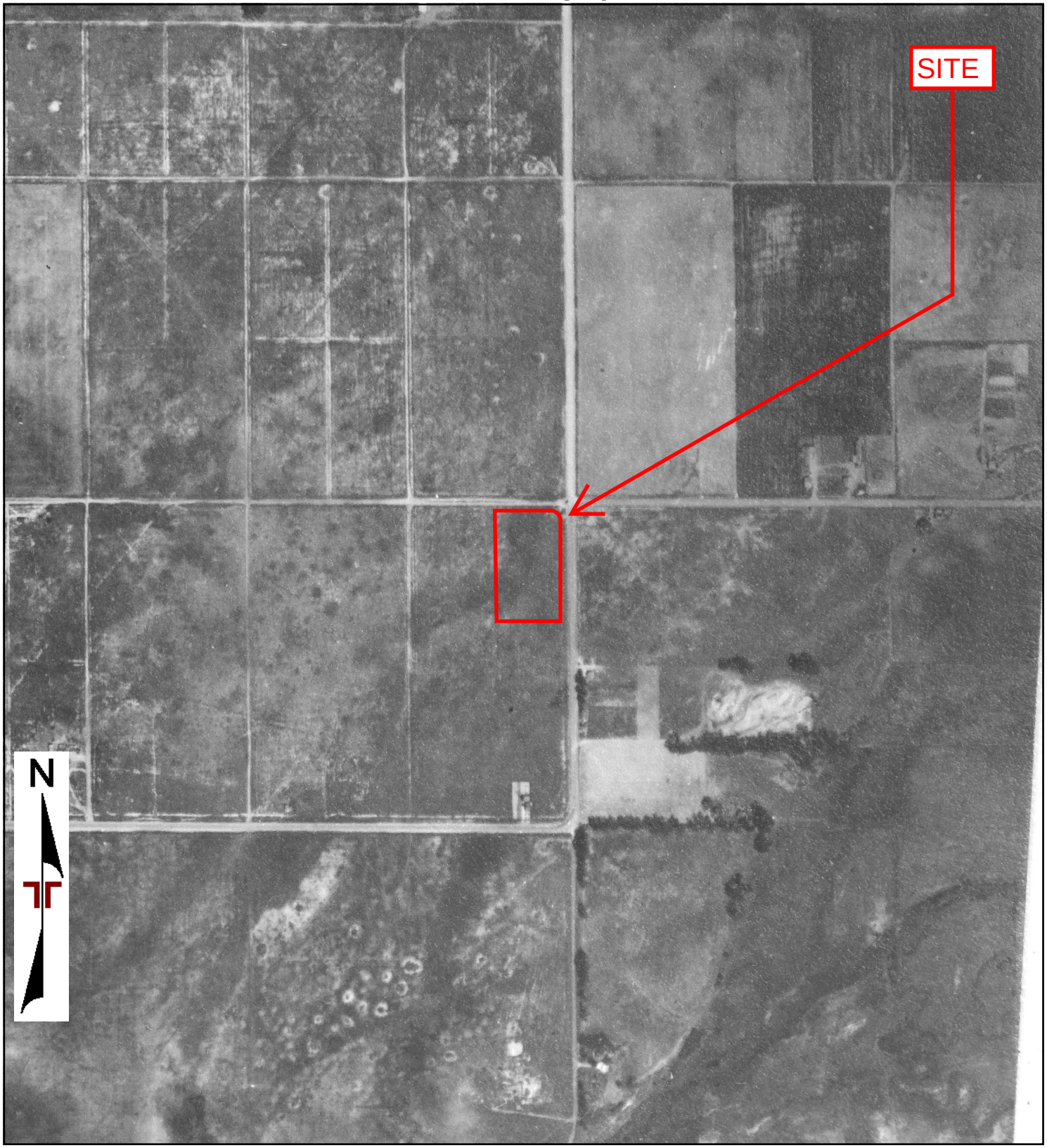
0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1938 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1938 | | |

Appendix C

# Aerial Photograph

1928




0 Feet 500 1000 2000

| | | | |
|---|---|---|---|
| Project Manager: JSV | Project No: 60217144 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780 | 1928 AERIAL PHOTOGRAPH<br>PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>4952 AND 4972 WARNER AVENUE<br>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |
| Drawn By: MMH | Scale: As Shown | | |
| Checked By: JSV | File Name: N/A | | |
| Approved By: IRN | Date: 1928 | | |

Appendix

C

Proposed Senior Living Development - HB

4952 and 4972 Warner Avenue

Huntington Beach, CA 92649

Inquiry Number: 6404402.3

March 15, 2021

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

03/15/21

| Site Name: | Client Name: |
|---|---|
| Proposed Senior Living Develo | Terracon |
| 4952 and 4972 Warner Avenue | 1421 Edinger Avenue |
| Huntington Beach, CA 92649 | Tustin, CA 92780 |
| EDR Inquiry # 6404402.3 | Contact: Meg Haile |

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Certification #** 3907-473A-A5A3

**PO #** NA

**Project** 60217144

**UNMAPPED PROPERTY**

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Sanborn® Library search results

Certification #: 3907-473A-A5A3

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- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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**Proposed Senior Living Development - HB**
4952 and 4972 Warner Avenue
Huntington Beach, CA 92649

Inquiry Number: 6404402.5
March 17, 2021

# The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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***Thank you for your business.***
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with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2014 | ☑ | ☑ | EDR Digital Archive |
| 2010 | ☑ | ☑ | EDR Digital Archive |
| 2005 | ☑ | ☑ | EDR Digital Archive |
| 2000 | ☑ | ☑ | EDR Digital Archive |
| 1995 | ☑ | ☑ | EDR Digital Archive |
| 1992 | ☑ | ☑ | EDR Digital Archive |
| 1987 | ☑ | ☑ | Haines Criss-Cross Directory |
| 1982 | ☑ | ☑ | Haines Criss-Cross Directory |
| 1976 | ☑ | ☑ | Haines Criss-Cross Directory |
| 1973 | ☑ | ☑ | Haines Criss-Cross Directory |
| 1968 | ☑ | ☑ | General Telephone Co |
| 1964 | ☑ | ☑ | General Telephone Co |

# FINDINGS

## TARGET PROPERTY STREET

4952 and 4972 Warner Avenue
Huntington Beach, CA 92649

| ***Year*** | ***CD Image*** | ***Source*** |
|---|---|---|
| **WARNER AVE** | | |
| 2014 | pg A6 | EDR Digital Archive |
| 2010 | pg A13 | EDR Digital Archive |
| 2005 | pg A20 | EDR Digital Archive |
| 2000 | pg A26 | EDR Digital Archive |
| 1995 | pg A30 | EDR Digital Archive |
| 1992 | pg A35 | EDR Digital Archive |
| 1987 | pg A40 | Haines Criss-Cross Directory |
| 1982 | pg A43 | Haines Criss-Cross Directory |
| 1982 | pg A44 | Haines Criss-Cross Directory |
| 1976 | pg A47 | Haines Criss-Cross Directory |
| 1973 | pg A50 | Haines Criss-Cross Directory |
| 1968 | pg A52 | General Telephone Co |
| 1964 | pg A54 | General Telephone Co |

# FINDINGS

## CROSS STREETS

| *Year* | *CD Image* | *Source* |
|---|---|---|

## BOLSA CHICA ST

| | | |
|---|---|---|
| 2014 | pg. A2 | EDR Digital Archive |
| 2010 | pg. A9 | EDR Digital Archive |
| 2005 | pg. A16 | EDR Digital Archive |
| 2000 | pg. A24 | EDR Digital Archive |
| 1995 | pg. A27 | EDR Digital Archive |
| 1992 | pg. A33 | EDR Digital Archive |
| 1987 | pg. A38 | Haines Criss-Cross Directory |
| 1987 | pg. A39 | Haines Criss-Cross Directory |
| 1982 | pg. A41 | Haines Criss-Cross Directory |
| 1982 | pg. A42 | Haines Criss-Cross Directory |
| 1976 | pg. A45 | Haines Criss-Cross Directory |
| 1976 | pg. A46 | Haines Criss-Cross Directory |
| 1973 | pg. A48 | Haines Criss-Cross Directory |
| 1973 | pg. A49 | Haines Criss-Cross Directory |
| 1968 | pg. A51 | General Telephone Co |
| 1964 | pg. A53 | General Telephone Co |

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

# BOLSA CHICA ST 2014

| | |
|---|---|
| 16872 | AMAL TANAGNO PSYCHIATRIC SERVICES |
| | C JOB CPA |
| | CROSSROADS PROPERTY MNGMNT |
| | JOB RICHARD C C P A |
| | JOB, RICHARD C |
| | RUSSELL STAN FINANCIAL & INSURANCE |
| | RUSSELL, VIOLA M |
| | STAR REAL ESTATE |
| | TERAOKA & CO |
| | WEST POINT PROPERTY INC |
| 16882 | BIJAN PROPERTIES |
| | FARMERS INSURANCE |
| | HAGERTY INSURANCE |
| | HUNTINGTON REAL ESTATE INC |
| | KOMAE GLEN T DDS |
| | KOMAE, STEPHANIE M |
| | LAKE ROBT D DDS |
| | SALES TAX RESOURCE GROUP |
| | THE WELLINGTON GROUP |
| 16892 | ENDEAVOR MORTGAGE GROUP INC |
| | GAMBRO HEALTH CARE OF HUNTINGTON BEA |
| | MATTHEW INVESTMENT PROPERTIES IN |
| | MAZZETTA COMPANY LLC |
| 16902 | CLIFFORD ASSOCIATES |
| | GEM |
| | LAW OFFICES OF NADIA CHEHADE |
| | LOMBARD CONSULTING |
| | MAR & ASSOCIATES |
| | VANDERGRIFF JIM INVESTMENT & INSURAN |
| 16922 | CVS PHARMACY |
| 16931 | ST PETER S BY THE SEA |
| 16934 | MORTGAGE DEPOT |
| 17032 | LANGSTON, TIM L |
| | TIRE HARBOUR |
| 17042 | OCCUPANT UNKNOWN, |
| 17062 | OCCUPANT UNKNOWN, |
| 17082 | ZIEBARTH, WARREN S |
| 17100 | TRAVELING NOTARY PUBLIC |
| 17111 | GAHN DOUGLAS DC |
| | HUNTINGTON HARBOR TRAVEL INC |
| | SHREDFORCE |
| 17122 | BENSON, MICHAEL |
| | SERESHT, ELI |
| 17171 | AMMERMAN, SHANNON |
| | ASTALOS, JUDITH L |
| | BARI, LISA |
| | BEALER, BRUCE C |
| | BLOOMFIELD, CARRIE A |
| | BORDEN, MELISSA L |
| | BRABY, JACK R |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## BOLSA CHICA ST 2014 (Cont'd)

17171 BRADY, ASHLEY L
BRIONES, GLORIA G
BUHAY, VICENCIO P
CAMBRIDGE APARTMENTS
CHANG, PEDRO
CIZEK, PETER
CROCKER, SAMANTHA
DALESSANDRO, KYLE J
DANIELS, JAMES
DANIELS, PATRICIA
DAVIS, DON
DILIDDO, THOMAS J
DU, BAY
GAGNON, STEVE J
GANA, MANUEL D
GITANO, VIC M
GOMES, LUIS A
GONZALEZ, SONIA
GUTIERREZ, CHRISTINA E
HADDOCK, MICHAEL L
HALE, EDWARD
HANSON, CARLENE E
HOLTON, JAMES M
ISLAND ENTERTAINMENT GROUP
JACKSON, DIANE C
KEATING, MELISSA J
KENNY, HEATHER K
KESTER, RUSSELL
KONOPELSKI, DENISE M
LABORDE, HENRI P
LACY, MATTHEW L
LASSITER, UNNA
LAUZE, SARA
LEBRUN, MARK
LITTON, BRYAN
LOPEZ, NATALIE J
MANDICH, CHRISTOPHER
MARCHRGIANO, BRANDI
MARKOVICH, DAVID
MELUCCI, NANCY J
MISAEA, JOANNE
MITCHELL, ERIN
MOCK, ALMEDA S
MULLER, NICOLE
MUNOZ, TERESA F
NARCIO, CHRISTINA M
NEWKIRK, JAKE
NORMAN, RICHARD D
ORR, CHRISTINE
POLIZU, CLAUDIAN D

## BOLSA CHICA ST 2014 (Cont'd)

| | |
| --- | --- |
| 17171 | PRICZ, BRENDA J |
| | PYATT, GREGORY R |
| | RANDALL, NORMAN |
| | RORABACHER, ADAM |
| | ROTTER, JOHN A |
| | ROY, LISA G |
| | SATELLITE TELEVISION |
| | SAYLOR, SEAN |
| | SEALS, MELISSA L |
| | SHIMOYAMA, SONOKO |
| | SMITH, KELLY |
| | SNYDER, CARLY |
| | STANLEY, ANN E |
| | STILES, DONA D |
| | THORP, JAMES L |
| | THRASHER, SHARON |
| | TUCKER, JONATHAN |
| | VOGL, ROBERT D |
| | WADA, STANLEY |
| | WADE, SANDY |
| | WHEATLEY, NICK J |
| | YARBROUGH, RICHARD L |
| | ZHA, KEJIA C |
| 17172 | ALLARD, RENEE M |
| | ANDERS, LINDSEY |
| | BLACK, STUART T |
| | BOOHER, KEITH J |
| | BOWLIN, PATTI J |
| | BRYANT, ERIK P |
| | BUDNICK, ROBERTA L |
| | CHAMBERS, LORRAINE |
| | CLOTHIER, LOUIS E |
| | COLUNGA, THERESA M |
| | CONNOLLY, DARRELL G |
| | CORMANY, DOUG W |
| | CROTTY, MICHAEL J |
| | CULLIP, PATRICK |
| | DOUGHERTY, MICHAEL |
| | ESPINOSA, RUBEN O |
| | EVANS, NEVILLE A |
| | GUILLEN, JUSTIN |
| | HAAS, SCOTT |
| | HARPER, DARIN |
| | HUTCHESON, FIONA C |
| | KENNEDY, MAURA E |
| | KOIVU, ALBERT H |
| | MADDEN, LAUREN A |
| | MASLAK, PAUL S |
| | MAZURK, ADAM P |
| | MCGINNIS, MIKE |

| Target Street | Cross Street | Source |
|---|---|---|
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## BOLSA CHICA ST 2014 (Cont'd)

17172 MORTENSON, DAN J
OCHOA, ANTHONY L
OCHOA, EILEEN
PACKARD, RODELL
POWELL, KEVIN
PROCTOR, JOAN A
PROFESSIONAL POOL SERVICE
RHODES, MATT L
RICHARDSON, JOHN N
SABLE, NANCY
SCHLESINGER, MARLA C
SCOTT, HARRY E
SMITH, TERRENCE E
SOLDATI, JASON
STOKES, BRENDA M
THEODORE, M
WALTERS, PAMELA A
WASHINGTON, CHANTEL
WATSON, STEVEN W
WHEATON, SCOTT W

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 2014

| | |
|---|---|
| 4851 | BLOCHER, BRANDON |
| 4852 | MICHEALSON CONNOR & BOUL |
| 4861 | ORTIZ, CESAR |
| 4911 | BELLA LUCE MEDISPA |
| | BUON GUSTO |
| | CATHYS NAILS |
| | CLASS ACTION LITIGATION GROUP |
| | GILBERT JOHN |
| | GREEN STREET CAFE |
| | GRISWOLD HOME CARE |
| | HARBOUR LANDING DENTAL |
| | JERRY ROBERTS HAIR SALON |
| | KOCH APPRAISAL SERVICE |
| | LAWRENCE, JOHN |
| | LAWTON MICHAEL MD |
| | MIKES LIQUOR & DELI |
| | MORTGAGE MATTERS INC |
| | MYERS TIMOTHY LAW OFFICES OF |
| | RAWLING COMMUNICATION |
| | SKIN SO SWEET |
| | STEWART GARY M DDS |
| | STEWART, GARY M |
| | STRAIGHT LINE TRANSPORT INC |
| | SUNSET INDUSTRIES INC |
| | WORKOUT THE |
| 4952 | AAABA CLEAN PLUMBING |
| | AMERICA WEST RES |
| | AZIMI PEARSALL & ASSOCIATES |
| | BAKER JEFF D INS |
| | COMFORT KEEPERS |
| | CONCERT MUSIC SCHOOL |
| | COUNTY RECORDS RESEARCH |
| | DIXON TEAM ENTERPRISES INC |
| | FARMERS INSURANCE GROUP |
| | GARDNER INSURANCE AGENCY |
| | HEALING WATERS COLON CARE |
| | HEYGOTO INC |
| | HEYMSFELD, CATHERINE |
| | HUNTINGTON MARINA EXECUTIVE CENTER |
| | INTERNATIONAL TRANSPORT INC |
| | JEFF BAKER STATE FARM INSURANCE AG |
| | KENNY KING ENTERPRISES |
| | M M GROUP THE |
| | MISTERLY FINANCIAL GROUP |
| | MPI TECHNOLOGIES INC |
| | PACKAGING CONTAINERS INC |
| | PSM SPORTS SALES INC |
| | REMAX SELECT ONE |
| | ROBERT BROWN ENGINEERS |
| | S & C OIL CO |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 2014 (Cont'd)

| | |
|---|---|
| 4952 | SHAMROCK DEALER SERVICES |
| | SPA PALOMA |
| | STATE FARM INSURANCE |
| | TECH ONE PLUMBING |
| | TERRAX ENVIRONMNETAL |
| | TTS ENGINEERING |
| | VENUES TODAY |
| | VERSTEEG |
| | VOLUWARE INC |
| 4972 | CATALINA VIEW CABINETRY & DESIGN |
| | LITTLE CAESARS |
| | LITTLE CAESARS PIZZA |
| | O C SPA WELLNESS |
| | STUDIO RENEE |
| 4995 | IMPORT AUTO REPAIR |
| 5002 | TIRE HARBOUR |
| 5042 | ALS MARKET 2 |
| | LOCKSMITH |
| 5052 | CHABAD OF WEST ORANGE |
| 5061 | BAMBOO CREASIAN INC |
| | EDINDALE CLEANERS TAILORING & TUX |
| 5062 | CERTIFIED TIRE |
| | GOODYEAR AUTO SERVICE CENTER |
| | GOODYEAR SERVICE |
| | GOODYEAR TIRE & SERVICE |
| | SCHER TIRES INC |
| 5075 | BONNE FOI LLC |
| | BROADMOORE NAILS & SPA |
| | CONCEPT MARKETING INC |
| | DREYERS REAL ESTATE SERVICES |
| | SALON AMBIANCE |
| | SPA AMBIANCE |
| 5092 | BLAZE PAUL A OD FAAO |
| | COAST OPTIMETRIC |
| | PAUL BLAZE OD FAAO |
| | SPECIALTY CONTACT LENS |
| 5095 | MCDONALDS |
| 5112 | BARNAT PAUL M DDS PC |
| | RIMOLDI CARLA A |
| | SHIMIZU KERRY J DDS |
| | SULLIVAN GRACIELA DDS PEDIATIC DENTI |
| | WESTMORELAND JOHN W DDS |
| 5141 | STARBUCKS COFFEE |
| 5142 | ALMEIDA, JASON M |
| | ARRIC, JAMES |
| | BABCOCK, THOMAS P |
| | BARAK, ELISSA |
| | BELL, AARON M |
| | BLEVINS, CASSI L |
| | DAVID, CERVANTES |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 2014 (Cont'd)

| | |
|---|---|
| 5142 | DRAKE, BRADLY C |
| | DUNCAN, MATT J |
| | ESPELETA, ENRIQUE |
| | FARTHING, MEI W |
| | FLICK, EDWARD W |
| | FORD, JAMES D |
| | GIACOMI, RAY O |
| | GOODMAN, GEOFF |
| | HANSEN, CHRIS |
| | HAYASHI, ALBERT M |
| | HOFFMAN, GARY S |
| | KALAYJIAN, KIM M |
| | LEVINSON, BRUCE D |
| | LEWELLEN-MORRISON, RISSI |
| | LOPEZ, PATRICIA A |
| | LUIS, ROXANNE M |
| | LYNCH, KENNETH |
| | MALEGNI, MICHELLE M |
| | PELAEZ, ALMA D |
| | PERIOLAT, GERARD I |
| | RALLI, PETER J |
| | RISSI, LEWELLEN |
| | SAFREN, CARY M |
| | SARHANGZADEH, AMIR |
| | STEELE, BILLY |
| | ZILER, FREDERICK W |
| 5143 | PICK UP STIX |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

# BOLSA CHICA ST 2010

| | |
|---|---|
| 16861 | JABEEN, FARHAT |
| 16872 | AMAL TANAGNO PSYCHIATRIC SVC |
| | BIJAN PROPERTIES |
| | F P UEHLE & CO |
| | FELLING, LORI K |
| | JOB, RICHARD C |
| | SAND DOLLARS BUSINESS SVC LLC |
| | STAR REAL ESTATE |
| | TANAKA KENNETH K CPA |
| | TANAKA, KENNETH K |
| | TERAOKA & CO |
| 16882 | DARA HOLDINGS LLC |
| | ELIOT & ASSOC |
| | KOMAKI KEITH Y DDS |
| | LAKE & KOMAE |
| | SALES TAX RESOURCE GROUP |
| 16892 | CUTTING EDGE |
| | DIVITA |
| | ENDEAVOR MORTGAGE GROUP |
| | MATTHEW INVESTMENT PROPERTIES |
| | PROPERTY TAX CONSULTANTS |
| | SATELLITE MARKETING GROUP |
| 16902 | IDI LLC |
| | JIM VANDERGRIFF INVESTMENTS |
| | LELAND A PARKER & ASSOC |
| | MAH, ROBERT M |
| | SCHUG CHARLES |
| 16911 | ST PETERSTHE SEA PRSBYTRN |
| 16912 | CORREIA CONSULTING & DESIGN |
| 16922 | BODIES PLUS |
| 16934 | CONCERT MUSIC SCHOOL |
| | MORTGAGE DEPOT |
| 16940 | TWIGS SALON & BOUTIQUE |
| 16952 | CANTAMAR MEXICAN RESTAURANT |
| 16961 | HARBOUR TIRE PROS |
| 16964 | C & C CARPET FAMILY INC |
| 16970 | DONUT HUT |
| 17032 | GRIFFITH MARINE |
| | GRIFFITH, MARINE |
| 17042 | FENENGA, BARBARA B |
| 17062 | ZEIGHAMI, HAYEDEH |
| 17082 | ZIEBARTH, WARREN S |
| 17111 | AAA DEBT HOTLINE |
| | FRANK ALLEN PLUMBING |
| | HOMESTEAD BUILDERS |
| | MC CALL FAMILY PARTNERSHIP |
| | SPAROW REALTY |
| 17112 | HANSON, ESTHER |
| 17122 | BENSON, MICHAEL |
| 17171 | AKEMON, RICHARD P |

| Target Street | Cross Street | Source |
|---|---|---|
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## BOLSA CHICA ST 2010 (Cont'd)

17171 ALBERTS, ERIC
ASTALOS, JUDITH L
AVINA, JOHN
BADER, JAN M
BARRETT, TOM
BEALER, BRUCE C
BEITZ, DIANE M
BENSON, STEVE
BRABY, JACK R
BRANCHAUD, ALLISON
CAMBRIDGE APARTMENTS
CHAN, CHIHUNG
CHMIEL, LINDA K
CHUA, JEFFREY L
COENEN, MARK C
COLEBAUGH, JAMES
DANIELS, JAMES
DRG SOUND
DURINI, CHRITIAN B
ELIA, KARLA L
EVANS, CYNTHIA O
EVANS, DARRON A
FERRY, SCOTT L
FIROOZI, BABAK A
FISHER, ADAM
GAGNON, STEVE
GANA, MANUEL
GENOVESE, DANIEL S
GOMES, LUIS A
GRAHAM, KELLIE
HANSON, CARLENE E
HERRICK, RANDALL E
HOOK, LAURA G
JERRY, JOAN F
JOHNSON, KAREN
JOHNSTON, STEVEN
KORSON, SUSAN A
KWEK, JESSICA R
LACY, MATTHEW P
LASSITER, UNNA
MACKENZIE, MARK K
MADDEN, LAUREN
MCGINNIS, HAROLD
MOSTASHARI, MANI
MUNOZ, TERESA F
NILSSON, MATTIAS E
PHAM, HIEN T
PIRCH, SARAH A
PITTMAN, CATHERINE
PLUCKER, KEITH A

## BOLSA CHICA ST 2010 (Cont'd)

| | |
| --- | --- |
| 17171 | POLIZU, CLAUDIAN D |
| | PRICE, ANNA D |
| | PYATT, GREGORY |
| | RENOLDS, JANET D |
| | ROY, LISA G |
| | SHULTS, MATT |
| | STANLEY, ANN E |
| | STILES, DONA D |
| | STUDDARD, SHARIE A |
| | URREA, ARTHUR D |
| | WALSH, SHEILA M |
| | WHITFIELD, BRIAN E |
| | ZHA, KEJIA C |
| 17172 | ALLARD, RENEE M |
| | BYRD, MICHAEL A |
| | CASTRO, LINDA E |
| | CHASSE, ISABELLE |
| | CLOTHIER, LOUIS E |
| | CONNOLLY, DARRELL G |
| | FOGARTY, MICHAEL |
| | GILBERT, KAREN S |
| | GOODMAN, MARISA |
| | HARRIS, D |
| | HAWTHORNE, MICHAEL |
| | HOSKINS, JAMES P |
| | JALILI, MAK T |
| | KISSINGER, KRAIG |
| | KRIEG, JAMES M |
| | LEVOY, EMILY L |
| | LOPEZ, WILL A |
| | MAZURK, ADAM |
| | MCNALLY, DONA L |
| | MDA CONSTRUCTION |
| | MESERVE, VIRGINIA L |
| | MORTENSON, DAN |
| | OCHOA, ANTHONY L |
| | OWENS, JOHN |
| | PROCTOR, JOAN A |
| | REED, CHRISTOPHER |
| | REYNOLDS, MARIE |
| | RHODES, MATT L |
| | RICHARDSON, JOHN N |
| | SABLE, NANCY |
| | SCHILLER, STEVE |
| | SCHLESINGER, DON M |
| | SCOTT, HARRY E |
| | SMITH, TERRENCE E |
| | STOKES, BRENDA D |
| | TOR, PENH D |
| | WALTERS, PAM A |

| Target Street | Cross Street | Source |
| --- | --- | --- |
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## BOLSA CHICA ST 2010 (Cont'd)

17172 YOSHIDA, TERUO

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 2010

| | |
|---|---|
| 4851 | OCCUPANT UNKNOWN, |
| 4852 | AFFILIATED TRAVEL SVC |
| | MICHEALSON CONNOR & BOUL |
| | MICHEALSON, CONNOR |
| 4911 | BELLA LUCE MEDISPA |
| | BEST AT HOME INC |
| | CATHYS NAILS |
| | CLASS ACTION LITIGATION GROUP |
| | FRONT PORCH BBQ |
| | GARZA BUSINESS SVC |
| | GOOD DAY CAFE |
| | GREYMAULKIN GAMES |
| | HARBOUR LANDING DENTAL |
| | HILL, RODNEY C |
| | INSURANCE SKILLS CTR |
| | JERRY ROBERTS SALON |
| | KELLY INVESTMENTS |
| | KOCH APPRAISAL SVC |
| | MIKES LIQUOR & DELI |
| | MORTGAGE MATTERS INC |
| | NEBLETT ASSOCIATES |
| | PARKIN & PARKIN LAW OFFICES |
| | RAWLING COMMUNICATION |
| | RODNEY C HILL INC |
| | SKIN SO SWEET |
| | STAR PAK |
| | STRAIGHT LINE TRANSPORT INC |
| | WORKOUT |
| 4933 | CURIEL, NILDA E |
| 4949 | CRUZAT & SCHREIBER REALTY INC |
| 4951 | HARBOUR 1 HOUR PHOTO |
| 4952 | 3 DEE INTL |
| | ANAHEIM DRAIN SVC |
| | BAKER, JEFF D |
| | BEACH CITIES ESCROW |
| | BUENA PARK DRAIN SVC |
| | COMFORT KEEPERS |
| | COUNTY RECORDS RESEARCH |
| | DELGLEIZE PROPERTY MANAGEMENT |
| | DITTRICK DESIGN |
| | FARMERS INSURANCE GROUP |
| | FIRST PACIFIC FINANCIAL |
| | FOUNTAIN VALLEY DRAIN SVC |
| | I MARKETING GROUP |
| | JAN W VERSTEEG LAW FIRM |
| | KENNY KING ENTERPRISES |
| | LAGUNA PROPERTY INVESTORS INC |
| | LOZIER CORP |
| | MELVIN MORELLI DESIGN |
| | MILLENNIUM PACIFIC ASSET |

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## WARNER AVE 2010 (Cont'd)

| | |
|---|---|
| 4952 | MORELLI & MELVIN DESIGN |
| | MORRELLI & MELVIN DESIGN ENGR |
| | MPI TECHNOLOGIES INC |
| | NOTARY WEST |
| | PA KOA MARTIAL ARTS |
| | PACIFIC SPORTS MARKETING |
| | READING CENTER OF BRUNO |
| | REMAX SELECT ONE |
| | ROBERT BROWN ENGINEERS |
| | S & C OIL CO |
| | SARNOFF CORP |
| | SPA PALOMA |
| | STATE FARM INSURANCE |
| | SWEET RELIEF MUSICIANS FUND |
| | TECH ONE PLUMBING |
| | TIC |
| | TTS ENGINEERING |
| | WEB CUBIC INC |
| 4962 | M & H PARTNERS |
| 4972 | CATALINA VIEW CABINETRY & DSGN |
| | STYLES BY JULIE |
| | TOUCH OF CLASS FURNITURE |
| 4995 | IMPORT AUTO REPAIR |
| 5005 | BUON GUSTO |
| 5042 | H B COIN LAUNDRY |
| | HARBOUR LIQUOR |
| 5052 | CHABAD OF WEST ORANGE COUNTY |
| 5061 | CREASIAN OVERSEA TRADER |
| | EDINDALE CLEANERS |
| | O C ROOFING |
| 5062 | B SCHER CERTIFIED AUTO CTR |
| | GOODYEAR TIRE CTR |
| 5075 | BROADMOORE NAILS & SPA |
| | DREYERS REAL ESTATE |
| | LINK & CO |
| | MILLS ROD |
| | SALON AMBIANCE |
| | WEST SHIELD ADOLESCENT SVC |
| 5092 | COAST OPTOMETRIC |
| | SPECIALTY CONTACT LENS |
| 5095 | MC DONALDS |
| 5112 | BARNARD MIKE |
| | BEACH DENTAL OFFICE |
| | PAUL M BARNAT PC |
| | RIMOLDI CARLA A DDS |
| | SHIMIZU KERRY J DDS |
| | SULLIVAN GRACIELA DDS |
| 5141 | STARBUCKS |
| 5142 | ALMEIDA, MILTON M |
| | ARIAS, MARC A |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 2010 (Cont'd)

| | |
|---|---|
| 5142 | ARNOLD, DANA A |
| | BALAKHANEH, MANSOUR |
| | BELL, AARON |
| | DIXON, THOMAS C |
| | DRAKE, BRADLY C |
| | ESPINOZA, MARCELINO V |
| | FARHAT, ANTONIA |
| | FARTHING, MEI W |
| | FLICK, EDWARD W |
| | GIACOMI, RAY O |
| | HANSEN, CHRIS |
| | HOFFMAN, GARY S |
| | KALAYJIAN, KIM M |
| | KIM, SARAH |
| | LLYOD, NICOLE C |
| | LOPEZ, PATRICIA A |
| | LUIS, ROXANNE M |
| | MATTAR, SHERIF M |
| | MENDOZA, ROSA M |
| | MORAN, JANET L |
| | MURAKAMI, ANTONETTE |
| | PERIOLAT, GERARD I |
| | SAFREN, CARY |
| | SARTHING, M |
| | SIMMONS, KYMMI L |
| | SMITH, JACQUELINE M |
| | VIGIL, ANNE A |
| | VILLANUEVA, LINDA R |
| 5145 | PICK UP STIX |

| Target Street | Cross Street | Source |
|---|---|---|
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# BOLSA CHICA ST 2005

| | |
|---|---|
| 16871 | SAINT PETERS BY THE SEA PRESBYTERIAN |
| 16872 | BOB WEIN |
| | BUETTNER, JENNY |
| | COVEY, ROLAND |
| | LORDEN, DEBRAANN |
| | MORROW, VICTORIA L |
| | STAR REAL ESTATE |
| | TANAKA KENNETH K CPA |
| | TANAKA, KENNETH K |
| | TERAOKA & CO CPAS |
| | THACHER, MARK A |
| | UEHLE FRANK P CPA |
| | VALANCE, RICHARD |
| 16882 | ACSELLERATE INC |
| | BIJAN PRO PERTIES |
| | ELIOT & ASSOCIATES |
| | ENCORE INTERNATIONAL LLC |
| | FRANKLIN FINANCIAL |
| | HUNTINGTON NATIONAL BANK |
| | LAKE & KOMAE DDS |
| | SALES TAX RESOURCE GROUP |
| 16892 | ADVANCED DATA SOURCE |
| | GAMBRO HEALTHCARE DIALYSIS |
| | PAYROLL TAX SOLUTIONS LLC |
| 16902 | CLIFFORD ASSOCIATES |
| | LELAND PARKER & ASSOCIATES |
| | LOMBARD CONSTRUCTION SERVICES INC |
| | PATHFINDER COUNSELOR |
| | RADER AND ASSOCIATES LLC |
| | TOWER SQUARE SECURITIES INC |
| | VANDERGRIFF JIM INV & INSUR |
| 16912 | CORREIA CONSULTING & DESIGN |
| | DIRECT NET MORTGAGE |
| | LIFESTYLE HOMES |
| | TRUS, JOIST |
| 16922 | BODIES PLUS |
| 16931 | SAINT PETER BY THE SEA PRES CH |
| 16934 | MORTGAGE DEPOT |
| 16940 | TWIGS SALON & BOUTIQUE |
| 16952 | CANTAMAR MEXICAN RESTAURANT |
| 16961 | TIRE PROS |
| 17032 | LANGSTON, TIM |
| 17042 | FENENGA, BARBARA E |
| 17062 | ZEIGHAMI, NASSER |
| 17082 | ZIEBARTH, WARREN S |
| 17111 | KORUBA, MARTIN K |
| | MOSHER BRIAN REALTY |
| | VILLAGEWAY MAHAGEMENT |
| 17112 | RAMOS, L |
| 17122 | BILBO, BOYD B |

## BOLSA CHICA ST 2005 (Cont'd)

| | |
| --- | --- |
| 17122 | CIANFANELLI, ENZA M |
| 17171 | ALLARD, R M |
| | ALRED, GARY |
| | ANAGOS, J |
| | ANDERSON, TRAVIS |
| | AQUATICS IN ACRYLIC |
| | ATWOOD, CHARLES D |
| | BALL, JAMES D |
| | BEALER, BRUCE |
| | BENSON, STEVE |
| | BEVELL, JOHN |
| | BLAIR, IAN C |
| | BORNTREGER, RICHARD W |
| | BOSS, CAROL S |
| | BRUMMETT, JEFF |
| | BRUST, REBECCA |
| | BRYAN, DAVID C |
| | CAMBRIDGE APARTMENTS |
| | CAMPBELL, CHARLES |
| | CARLSON, MELISSA |
| | CHMIEL, LINDA K |
| | COENEN, MARK C |
| | COMO, RON |
| | COWAN, JEFFERY |
| | DIRKSEN, DESIREE L |
| | DONAHUE, THOMAS E |
| | DUTSON, JOSHUA D |
| | FALANGAS, ERIC |
| | FARCAS, NICODIN |
| | FISHER, MARK E |
| | FLOREA, MARIUS |
| | FORREST, MELVIN |
| | GOMES, LUIS A |
| | GOODSON, BRUCE T |
| | HADDOCK, MIKE L |
| | HAMILTON, MARY R |
| | HARTSHORN, RANDY |
| | HERMAN, STEVE S |
| | HERRICK, RANDALL E |
| | HOHN, JOE |
| | HONG, CHARLES |
| | HOOKER, PAUL M |
| | HORVATH, YVONNE T |
| | HUBER, ALAN M |
| | JANNISE, JAMES L |
| | KANG, MOON K |
| | KENNEDY, MEGAN M |
| | KILBY, CAROLINE |
| | KINGSBURY, LUZ |
| | KORSON, SUSAN A |

## BOLSA CHICA ST 2005 (Cont'd)

17171 KOTCH, MATTHEW D
KUWAHARA, MITSUKO
LAFRAMBOISE, ROBERT J
LAWLER, BRET
LIKICH, GAIL L
MAIER, ADRIAN F
MARKHAM, CARL E
MCGINNIS, LISA A
MOORE, AMY K
NGUYEN, ASIA
NILSSON, MATTIAS
PALMATEER, KATHY
PHAM, H
PORTER, SIMON M
PRATT, LIZ
PRESLEY, DANIEL B
PRICE, ANNA D
RADULSCU, ALIDA M
REYNOLDS, JANET D
RODRIGUEZ, C
ROOT, BRADLEY J
ROY, LISA
SACHAR, SNEHA
SANDERSON, JIM
SHOEMAKER, GINA
SIFTON, SCOTT L
SMITH, ESTELA C
SNYDER, JULIANA
STAHL, BRYAN S
STILES, DONA D
TALOS, FLORIN C
TANA, DOMINICK N
TEIXEIRA, MEGAN
THORP, JAMES L
TORRES, MARK L
UNO, ANTHONY K
URREA, ARTHUR
VAVRIN, MICHAEL
WESTA, DEBORAH A
WHITFIELD, BRIAN E
WOODWARD, JENNIFER L
ZEIGLER, KURT

17172 AYURVEDA HEALS
BOUDREAUX, ANDREA
CHAPA, VIRGINIA
CLOTHIER, LOUIS E
CONNELLY, DARRELL G
CORMANY, DOUG W
FOGARTY, MICHAEL
GORDON, JON W

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## BOLSA CHICA ST 2005 (Cont'd)

| | |
|---|---|
| 17172 | HANLON, NANA |
| | HOSKINS, JAMES P |
| | KIMBLE, KATHERINE J |
| | LESAUIS, KARIN T |
| | LUNDE, LISA |
| | MCNALLY, DONA L |
| | MCPHERSON, MATT |
| | NAFTALIA TANTULAR |
| | OVERFIELD, MICHAEL D |
| | PIONESSA, PATRICIA |
| | POORMAN, NOELLE |
| | PRETTY AND PUNK |
| | RHODES, MATT |
| | RUSSELL, DWAYNE |
| | SHER, VIRGINIA P |
| | SMITH, TERRENCE E |
| | TENAGLIER, KELDON J |
| | VANNUGTREN, KURT E |
| | VIOLANTE, PATRICIA |
| | WALLANS, MICHAEL J |
| | WOOLF, MIRELLE |
| 17201 | LIZARRAGA, MARIA A |

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## WARNER AVE 2005

| | |
|---|---|
| 4851 | SCHNUG, DAMIEN |
| 4852 | MICHEALSON, CONNOR |
| 4861 | BARTH, MARK T |
| 4901 | FRANKLIN MARINE SERVICE |
| 4911 | CALIFORNIA MORTGAGE HDQRTR |
| | CATHYS NAILS |
| | CLOUSE ROBERT D DDS |
| | GOOD DAY CAFE |
| | GOOD DAY CAFE THE |
| | HARBOR LANDING DENTAL |
| | HILL, RODNEY C |
| | KARMA DAY SPA AND BOUTIQUE |
| | KOCH APPRAISAL SERVICE |
| | KUNG PAO INC |
| | MAHALLATI RAMIN DDS |
| | MARANDI ENTEPRISES LLC |
| | MARANDI ENTERPRISES LLC |
| | MERCHANT SERVICE & SUPPLY INC |
| | MIKES LIQUOR & DELI |
| | NEBLETT AND ASSOCIATES INC |
| | PACIFIC DESIGN CONCEPTS |
| | QUEENS INTERPRETATION SERVICE |
| | RODNEY C HILL INC CPA |
| | STAR, PAK |
| | STARPAK LLC |
| | STEWART, GARY M |
| | SUNRISE CONSULTING |
| | THE GOOD DAY CAFE |
| | WORKOUT |
| 4935 | K & K HANSEN INC |
| 4937 | PA KOA MARTIAL ARTS |
| 4945 | LEWIS CLEANERS |
| 4952 | 1 866 MY DRAIN |
| | A AABA CLEAN PLUMBING |
| | AIR CLEANING SOLUTIONS |
| | AMERICAN LOCKER SECURITY SYSTEMS |
| | BAKER, JEFF D |
| | BARTLETT, DENNIS A |
| | BEACH CITIES ESCROW |
| | CFC INSURANCE SERVICES |
| | CFC INSURANCE STRATEGIES |
| | CORNERSTONE SALES & MERCHANDISING |
| | COUNTY RECORDS RESEARCH |
| | DIAMOND WELLNESS |
| | ENCHANTING HONEYMOONS |
| | FARMERS INSURANCE GROUP |
| | FOUNDERS FINANCIAL SERVICES |
| | HILLIS, RYAN T |
| | HUNTINGTON MARINA EXECUTIVE CENTER |
| | I MARKETING GROUP |

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## WARNER AVE 2005 (Cont'd)

| | |
|---|---|
| 4952 | IACTIVE INC |
| | INSTRUCTIONAL SYSTEMS ASSN |
| | KENNY, KING |
| | KUMON LEARNING CENTER OF HUNTINGTON |
| | M P I TECHNOLOGIES INC |
| | MCLAREN JOHN |
| | MORELLI & MELVIN DESIGN & EN |
| | NGUYEN NHU PHUONG |
| | NOTARY WEST |
| | PACIFIC SPORTS MARKETING |
| | RAGLAND, PATRICIA |
| | RAMOS, ARIEL |
| | RE / MAX SELECT ONE |
| | READING CENTER OF BRUNO |
| | RIVERA, FRED |
| | SMART, S |
| | SPA PALOMA |
| | STATE FARM INSURANCE |
| | SURE LIFE CHURCH |
| | TECH ONE PLUMBING INC |
| | TETZLAFF, L |
| | THE BACH CORP INC |
| | TWOMEY, LAWRENCE E |
| | VERSTEEG JAN W LAW FIRM |
| | W E FINANCIAL |
| | WASHINGTON, SANDRA L |
| | WEEKS, N |
| 4955 | HINKLE BRIAN OF JONATHAN HAIR |
| | JONATHAN HAIRCUTTERS |
| 4972 | HUNTINGTON BEACH CHIROPRACTIC |
| | KELLY RIPLEY |
| | MAPLE RIDGE MOBILE HOMES |
| | RIPLEY, KELLY |
| | SKIN CARE BY JODI |
| | THE OC SPA & WELLNESS CTR INC |
| | UPSTAIRS SALON |
| 4995 | IMPORT AUTO REPAIR |
| | NASSIMS ARCO SERVICE CENTER |
| 5002 | GRIFFITH MARINE |
| | GRIFFITH, MATTHEW |
| | LUCKY LRR GRFFTHS MR MCHNCS |
| 5042 | HARBOR LIQUOR |
| | KIM COIN LAUNDRY |
| | OCCUPANT UNKNOWN, |
| 5052 | CHABAD OF WEST ORANGE COUNTY |
| | CONGREGATION ADAT ISRAEL OF HUNTINGT |
| 5060 | CIRCLE K STORES |
| 5061 | HANSEN TERMITE INC |
| | OCCUPANT UNKNOWN, |
| | SARDARIZADEH, ARASH |

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## WARNER AVE 2005 (Cont'd)

| | |
|---|---|
| 5062 | GOOD YEAR R KIDS TIRE |
| | SCHER TIRE |
| 5064 | THE CAKE BOX PASTRIES INC |
| 5075 | 1800 GOT JUNK OF HUNTINGTON BEACH |
| | 1800 GOT JUNK OF ORANGE COUNTY |
| | CHIPS AWAY WINDSHIELD REPAIR |
| | COHEN, DEBRA |
| | DREYERS REAL ESTATE |
| | GANNAWAY, JO |
| | LAUREN FINANCIAL SERVICES INC |
| | PLATINUM PROFESSIONAL SERVICES |
| | PRIMETECH CORP |
| | WORLD VENTURES TRAVEL |
| 5092 | BLAZE PAUL A OD FAAO |
| | HUNTINGTON CONTACT LENS CENTER |
| | SPECIALTY CONTACT LENS |
| 5095 | MCDONALDS |
| 5112 | BARNAT PAUL M DDS A PRF CORP |
| | DR PAUL M BARNAT DDS PC |
| | DR SULLIVAN GRACIELA DDS |
| | GRACIELA K SULLIVAN DDS M S PEDIATRI |
| | KERRY SHIMIZU DDS A DENTAL CORP |
| | RIMOLDI CARLA A DDS |
| | SHIMIZU KERRY J DDS |
| | SULLIVAN GRACIELA DDS PEDIACTRIC DEN |
| 5141 | STARBUCKS COFFEE |
| 5142 | ARJONA, MANUEL Q |
| | ARNOLD, CAROLE A |
| | BRITTAIN, ELIZABETH F |
| | CHRISTY-GOLDBERG, SUZANNE |
| | DRAKE, BRADLY C |
| | FLICK, EDWARD W |
| | FOBEL, BRENNAN |
| | GATTUSO, LORI M |
| | GIACOMI, RAY O |
| | HANSEN, CHRIS |
| | HAO, KAREN L |
| | HERNANDEZ, CASIMIRO T |
| | HOFFMAN, GARY S |
| | KALAYJIAN, KIM M |
| | KAO, AUDREY |
| | KATRAMADOS, BRENDA G |
| | KIM, SARAH |
| | LUIS, ROXANNE M |
| | MATTAR, SHERIF |
| | MELTZER, PAUL B |
| | MORAN, JANET L |
| | NICHOLS, KEVIN A |
| | PECKENPAUGH, DAVID C |
| | PERIOLAT, GERARD I |

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## WARNER AVE 2005 (Cont'd)

| | |
|---|---|
| 5142 | PRONTO IMAGING |
| | RICE, RANDY E |
| | SIMMONS, KIMBERLY L |
| | SUPERIOR CONTRACT PROCESSING |
| | VERVE PRESS |
| | VILLANUEVA, LINDA R |
| | WOODS, BRIAN |
| | ZETTEL, MIKE R |
| 5143 | PICK UP STIX CALIFORNIA |
| 5145 | PICK UP STIX INC |

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## BOLSA CHICA ST 2000

| | |
|---|---|
| 16872 | OCCUPANT UNKNOWN, |
| 16882 | OCCUPANT UNKNOWN, |
| 16892 | VAUGHN, ROBERT G |
| 16902 | SCHUG, CHARLES |
| 17032 | BRUNATTI, JOSEPH |
| 17042 | FENENGA, BARBARA E |
| 17062 | CHADWELL, FABIOLA C |
| 17082 | ZIEBARTH, WARREN S |
| 17111 | OCCUPANT UNKNOWN, |
| 17112 | OCCUPANT UNKNOWN, |
| 17122 | HAYES, MELINDA |
| 17171 | ALIAS, AZRINA Z |
| | ARONSKY, DIMITRY |
| | ATWOOD, CHARLES |
| | BLOOMFIELD, CARRIE A |
| | CAROLL, STARR |
| | CONDE, DEBORAH |
| | CREIGHTON, DENNIS |
| | DORES, ALISON F |
| | GOODSON, BRUCE |
| | GUNTHER, LEROY |
| | HAMILTON, MARY R |
| | HARRAH, MELINDA |
| | HATFIELD, TODD R |
| | HAYDEN, VANESSA |
| | HENEIN, EMAD |
| | HOOKER, PAUL M |
| | HOUSTON, TODD |
| | HUBER, ALAN M |
| | INGRAM, GERRY |
| | JARRELL, CHRIS B |
| | JENSEN, PAMELA J |
| | KANG, MOON K |
| | KILLHAM, PHILIP |
| | KLINE, PAMELA |
| | KORMANIK, C |
| | LAWRENCE, STEVE A |
| | LEE, LINDA M |
| | MACINTYRE, DONALD S |
| | MADER, SHANNON |
| | MELUCCI, NANCY |
| | MEYER, JOANNA M |
| | MIKESELL, MAURICE |
| | NGUYEN, KIMLOAN |
| | OLORIZ, MARY L |
| | OPDENKELDER, G |
| | ORTIZ, FELIZ |
| | PFARR, HEATHER L |
| | REGAN, TERESA A |
| | RICHARD, CHRIS |

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## BOLSA CHICA ST 2000 (Cont'd)

17171 RIVERA, RICHARD C
RODRIGUEZ, MARTY
SANCHEZ, ANA
SILVESTRI, DAVID
STAHL, BRYAN
TAYLOR, SUSAN J
WALSH, SHEILA M
WARHOLAK, DAVE
WEIGEL, ROBERT
WHITFIELD, BRIAN
WOHLWEND, WESLEY W
ZINN, ALFRED A
17172 ARIAS, DAVID
BILBO, BOYD
BOEHNERT, L O
CANAVAN, DAVID
CLOTHIER, LOUIS
HANLON, CHRIS C
HYAMS, VIOLA T
JOHNSON, D F
KERR, BRUCE A
KHOSODVI, FARHAD
KOOB, TAMMY
KRABER, CAROLYN
LAVIOLA, CHRIS
LEE, WILLIAM G
MACCHIAVELLO, V
MARKLEY, TRACY L
RHOGES, MATT
ROBINSON, CARLA
SAUERMORGAN, S
SMITH, T
SORAYA, DAMON
TARR, TAMMY L
TENAGLIER, KELDON
TIGNINO, CARL

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## WARNER AVE 2000

| | |
|---|---|
| 4911 | 21ST CENTURY DOCUMENTS INCORPORATED |
| | GILBERT, JOHN |
| | REGAL, LOUIS |
| 4955 | OWEGER, JOHN |
| 5061 | KELIN, ROY W |
| | PHILLIPS, MELODY |
| 5142 | ARJONA, MANUAL Q |
| | ARNOLD, CAROLE A |
| | ASAKAWA, MASATO |
| | BARR, N J |
| | BIERIG, S L |
| | BOWERS, DEXTER |
| | CHAN, WILLIAM S |
| | CONWAY, R |
| | COPPOLA, YVETTE |
| | FLICK, EDWARD |
| | FOBEL, BRENNAN |
| | GLEDHILL, ROBERT E |
| | HOFFMAN, GARY |
| | JACKSON, DEREK P |
| | KALAYJIAN, KIM M |
| | KATRAMADOS, BRENDA |
| | OBRIEN, WM P |
| | PECKENPAUGH, DAVID |
| | RICE, RANDY E |
| | RIETSCH, DAVID |
| | SAKAKIHARA, PHILIP M |
| | SMITH, J M |
| | STENMO, ARTHUR |
| | TRIFFO, RANDY |
| | VILLANUEVA, LINDA |
| | WEBB, JACK |
| | WINKLER, TERI |
| | ZETTEL, MIKE |
| | ZILER, F |
| 5143 | STENMO, R J |

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## BOLSA CHICA ST 1995

| | |
|---|---|
| 16871 | PRESBYTERIAN CHURCH HUNTINGTON |
| 16872 | COVEY, ROLAND R |
| | DIXON COMMERCIAL REAL ESTATE |
| | HARBOUR MORTGAGE |
| | HOHLY, ROBERT |
| | KAY SALES |
| | KEEN, RANDY |
| | RICK COVEY REALTY |
| | ROBERT HOHLY & CO |
| | SHIFFMAN, GARY |
| | STAR REAL ESTATE |
| | SUNSET MANAGEMENT CO |
| | TANAKA, KENNETH K |
| | TERAOKA & CO |
| | TERAOKA, TOM |
| | TOM TERAOKA CPA |
| 16882 | CZAJA INVESTMENTS |
| | DAVID B DU WALDT CPA |
| | DUWALDT, DAVID B |
| | GLEN T KOMAE DDS |
| | LAKE, ROBERT D |
| | MOSS, ROY |
| | NHA |
| | ROBERT D LAKE DDS |
| | SCIENTIFIC DEVICES CALIF |
| | TRI ANGLE CORE OF CONSULTANTS |
| 16892 | ORANGE COUNTY DIALYSIS |
| 16900 | OCCUPANT UNKNOWNN |
| 16902 | BILL BURRUD PRODUCTIONS |
| | BILL BURRUD PRODUCTIONS INC |
| | ELDORADO BANK |
| | JIM VANDERGRIFF INVESTMENTS |
| | LELAND A PARKER & ASSOC |
| | OCCUPANT UNKNOWNN |
| | SIPES & COOK INSURANCE |
| 16911 | SPANO, CARL |
| 16912 | CORREIA CONSULTING & DESIGN |
| | FUN TIMES PRODUCTIONS |
| | TEMPEST EQUITY |
| 16927 | LAFAVE, JERRY |
| 16928 | PICTURE PERFECT FRAMING |
| | TOY TROOPS |
| 16931 | HENDERSON INSURANCE |
| 16940 | AMBROSE, MAUREEN |
| | DIANES BEAUTY SALON |
| 16952 | CANTAMAR MEXICAN RESTAURANT |
| 16961 | LOVKO SALES CO |
| | OCCUPANT UNKNOWNN |
| 16964 | NORMULAW INC |
| 16970 | DONUT HUT |

## BOLSA CHICA ST 1995 (Cont'd)

| | |
| --- | --- |
| 17032 | OCCUPANT UNKNOWNN |
| 17042 | BAKER, BARBARA E |
| 17082 | HOOPER, BRIAN |
| 17112 | BROWN, GARY |
| 17122 | CIANFANELLI, ENZA M |
| | HUFFER, KEVIN |
| 17171 | ADELIZI, TINA M |
| | BOLDEA, BUJOR |
| | BRACKEN, JAMES |
| | BRADY, ALICE J |
| | BRYAN, DAVID |
| | CAMPBELL, ABBY |
| | DRAGANOV, BRON |
| | DUBICH, A |
| | EDGE, RYAN |
| | ESPARAZA, MICHAEL |
| | GOLBUFF, TIM |
| | GOZA, SHERRY |
| | GRAY, DONALD |
| | GRIFFIN, AMANDA |
| | GUERAMI, AARON J |
| | GUNTHER, LEROY |
| | HALPIN, BRETT |
| | HARGETT, ROBERT |
| | HAUGHLAND, JOHN |
| | HENSON, JULIE |
| | INGRAM, GERRY |
| | KALOPER, RONALD |
| | KELLER, GENE |
| | KRINKLE, P S |
| | LEDOUX, GERARD A |
| | LEIKER, J |
| | LIU, RICHARD |
| | MADER, SHANNON |
| | MANDIS, BETTY B |
| | MANUFACTURES & PRODUCTION |
| | MCCREERY, DIANA |
| | MIKESELL, MAURICE |
| | MILLER, DAVID |
| | NOVAC, TAMMY D |
| | PATTERSON, D |
| | PETERS, THOMAS |
| | POLIZU, C |
| | POLLARD, MOLLY |
| | PORTER, EARL L |
| | PORTILLO, JULIA |
| | PRICE, DARLENE |
| | PUCKETT, SHELLY |
| | ROESINK, TRACY L |
| | SINCLAIR, MILTON |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## BOLSA CHICA ST 1995 (Cont'd)

| | |
|---|---|
| 17171 | SPARKS, M |
| | STALEY, CHARLES L |
| | WEIGEL, ROBERT |
| | WEIRICK, PAUL |
| | WEST, J L |
| | YARBROUGH, RICHARD L |
| | ZEIGHAMI, FARRID |
| | ZERKEL, MICHAEL A |
| | ZIMMERMAN, H J |
| 17172 | ALEXANDER, BRAD |
| | ANDERSON, LISA |
| | BAUDIS, ANGELA |
| | BOEHNERT, LEONARD O |
| | CHASE, MARLENE |
| | CLENDENEN, F |
| | CLOTHIER, LOUIS |
| | HYAMS, YIOLA T |
| | JOHNSON, D F |
| | KOOB, TAMMY |
| | LYNCH, SHERRY |
| | MCKENZIE, JOHN |
| | MCKIBBIN, JOAN |
| | MORTLOCK, ALAN |
| | SMITH, T |
| | STCLAIR, LORI M |
| | STROSNIDER, JOHN |
| | TEIGEN, TERRY |
| | TENAGLIER, KELDON |
| | WILLIAMS, WARREN |
| 17200 | WOOD MAN POLE CO |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## WARNER AVE 1995

| | |
|---|---|
| 4861 | OCCUPANT UNKNOWNN |
| 4862 | LOEB, ALAN E |
| 4911 | BETA CONSULTING GROUP INC |
| | BOHMAN, C |
| | BOLSA CHICA SCHWINN BICYCLES |
| | CALIFORNIA BENEFITS |
| | EDWARD J OLIVAREZ DDS |
| | FOSTER & ASSOC |
| | GOSIN, ROBERT F |
| | HARBOR LANDING |
| | HARBOUR LANDING DOLFANN |
| | HARRISON, LAVONNE |
| | INTER VAL |
| | JERRY ROBERTS SALON |
| | KOCH APPRAISAL SVC |
| | KOKUSAI INTERNATIONAL TRAVEL |
| | KUNG PAO CHINESE RESTAURANT |
| | LE PETIT PARADIS |
| | LEPETIT, PARADIS |
| | OLIVAREZ, EDWARD J |
| | PACIFIC MANAGEMENT SYSTEMS INC |
| | RBI & ASSOC |
| | REGAL, LOUIS |
| | RICHARD E ZINKAN WEIGHT CNTRL |
| | SENNOTT AGENCY INSURANCE SVC |
| | STERLING & SCOTT |
| | STOCKED MARKET |
| | WATERFRONT PROPERTIES |
| 4933 | TORRES, ANGEL |
| 4935 | COLLINS CO |
| | HANSEN PET SYSTEMS |
| | WORLDS FINEST CHOCOLATE |
| 4941 | MIKES LIQUOR & DELI |
| 4945 | LEWIS CLEANERS |
| 4949 | CRUZAT & SCHREIBER REALTY INC |
| | OCCUPANT UNKNOWNN |
| 4951 | HARBOUR 1 HOUR PHOTO |
| 4952 | A C CHILES REALTY |
| | ABPP DOCTOR PSYCHOLOGICAL |
| | ANDREW SHAFFER MD |
| | BAKER, JEFF |
| | BAKER, JEFF D |
| | BILL HART DESIGN |
| | CARMAN, P M |
| | CHRISTINE WALL |
| | COLBIE PACIFIC CAPITOL |
| | COLDWELL BANKER |
| | COUNTY RECORDS RESEARCH |
| | CRAIG HAMASAKI MD |
| | CRAMER, B S |

## WARNER AVE 1995 (Cont'd)

| | |
| --- | --- |
| 4952 | EDWARDS & ASSOC |
| | HAIR STUDIO |
| | HUNTINGTON EXECUTIVE CTR |
| | INSTRUCTIONAL SYSTEMS ASSN |
| | J BRENLIN DESIGN |
| | JAN W VERSTEEG LAW FIRM |
| | JEAN P DUFOUR MD |
| | JERRY G SOUCY |
| | JOSEPH HUGHES DPM |
| | JOSEPH M HUGHES DPM |
| | KUMON OF HUNTINGTON HARBOR |
| | LEFFERDINK & CO |
| | MARINA MEDICAL CTR |
| | MARINA PHYSICAL THERAPY |
| | MARK J MEYERS LAW OFFICES |
| | MEDI PROMPT PSYCHOLOGICAL GRP |
| | MEYERS, MARK J |
| | MOODY, H |
| | MPI TECHNOLOGIES INC |
| | NUGENT, JAMES |
| | ROBERT V FULKERSON |
| | SCHWARTZ, LARRY A |
| | SOCIAL WORK CONSULTANTS INC |
| | SOUCY, JERRY G |
| | STATE FARM INSURANCE |
| | STEINMAN, JAMES |
| | STEVEN GAMMER MD |
| | TARGET ENGINEERING |
| | THOMAS GOODHEART MD |
| | VERSTEEG, JAN W |
| 4955 | BRIAN HINKLE OF JONATHAN HAIR |
| | CAROLYN RENCH |
| | HINKLE, BRIAN |
| | JONATHAN HAIR CUTTERS |
| | JULIES HAIR STYLING |
| | KAFER, DANIEL |
| | RENCH, CAROLYN |
| 4972 | BODY & NAIL REVUE |
| | HUNTINGTON HARBOUR FLORIST |
| | PRIME TIME VIDEO |
| | UPSTAIRS SALON |
| | WHITE CLEANERS |
| 4995 | IMPORT AUTO REPAIR |
| 5005 | KFC |
| 5042 | GRIVETTIS PIZZA PLAZA |
| | HARBOUR LIQUOR |
| 5061 | GEORGE LATKAS GOLDEN GOLVE |
| | SAVAGE, M |
| 5062 | GOODYEAR TIRE & RUBBER CO |
| 5075 | ALLSTATE INSURANCE |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 1995 (Cont'd)

| | |
|---|---|
| 5075 | CAL AM ESCROW |
| | PARADISE REALTY INC |
| | PPO SVC INC |
| | RICH SMITH |
| | SMITH, RICH |
| 5092 | BLAZE, PAUL A |
| | HUNTINGTON CONTACT LENS CTR |
| | ORANGE COUNTY OPTOMETRIC SCTY |
| | SPECIALTY CONTACT LENS |
| 5112 | BEACH DENTAL OFFICE |
| | CRAIG ROSENBERG DDS |
| | EARL J COLBERT DDS |
| | JOHN W WESTMORELAND DDS |
| | KERRY J SHIMITZU DDS |
| | PAUL M BARNAT DDS |
| | WARNER BOLSA CHICA DENTAL CTR |
| | WILLIAM TURIN DDS |
| 5141 | COTTER AVIATION |
| 5142 | ARNOLD, CAROLE L |
| | BOWERS, J D |
| | CEM & ASSOC |
| | DEXTER, J |
| | FLICK, EDWARD W |
| | IL, DAVORGE |
| | KATRAMADOS, BRENDA |
| | MAYES, RUSSELL M |
| | OCONNOR, WILLIAM S |
| | RICE, RANDY E |
| | SARNO, GLORIA |
| | SCHMITT, C |
| | TAYLOR BUSINESS SOFTWARE |
| | TRIFFO, RANDY |
| | WEBB, JOHN A |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

# BOLSA CHICA ST 1992

| | |
|---|---|
| 16872 | COVEY RICK REALTY |
| | DATA WAY SYSTEMS |
| | DIXON COMRCL RE |
| | FINANCL TRANSACTION |
| | HARBOUR MORTGAGE |
| | KAY SALES |
| | KEITHLY R M CO |
| | KEITHLY R M COMPANY |
| | LILCO FINANCIAL |
| | SHIFFMAN&SHIFFMAN |
| | SUNSET MANAGEMENT |
| | TANAKA KENNETH CPA |
| | TERAOKA TOM CPA |
| | TERAOKA, TOM |
| 16882 | DUWALDT DAVID B CPA |
| | DUWALDT, DAVID B |
| | GATLIN DENNIS CPA |
| | KOMAE GLEN T DDS |
| | N H A |
| | SCIENTIFIC DEVICES |
| | TRIANGLE CONSLTNTS |
| 16892 | EXECUPROV |
| 16900 | PARKER LELAND A&ASC |
| | SHEEDY, WILLIAM E |
| 16901 | ELDORADO BANK |
| 16902 | EVANS INSURANCE AG |
| | FARMERS INS |
| | GARLOCK INC |
| | JIM VANDERGRIFF INS |
| 16912 | CORREIA CNSLTG&DSGN |
| | KOELLER DEVELOPMENT |
| | TEMPEST EQUITY |
| 16922 | CAESARS CLEANERS |
| 16928 | PICTURE PRFCT FRMNG |
| | TOY TROOPS |
| 16931 | HENDERSON INS |
| | HENDERSON INS AGNCY |
| 16940 | AMBROSE, MAUREEN |
| | DIANES BEAUTY SALON |
| | ROMERO, MYRA |
| 16952 | CANTAMAR MEXCN DELI |
| 16961 | LOVCO SALES CO |
| 16970 | JAMS DONUT HOUSE |
| 17032 | KONKOL, KRIS |
| 17171 | BADE, LANCE |
| | CAMBRIDGE APTS |
| | CARLISLE, JOHN |
| | EDGE, RYAN |
| | GOULD, TONY |
| | HARGETT, ROBERT |

| Target Street | Cross Street | Source |
|---|---|---|
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## BOLSA CHICA ST 1992 (Cont'd)

| | |
|---|---|
| 17171 | MJOAN, P J |
| | ORNES, CHESTER |
| | RIPKEN, RANDY |
| | SUZOKI, YUKIO |
| | WARD, M E |
| | ZIMMERMAN, H J |
| | ZIPF, DAVID |
| 17172 | BAKER, KEN |
| | CARDENAS, MARC A |
| | CLENDENEN, F |
| | COURTNEY, MICHAEL |
| | CRAWFORD, IAN |
| | HOFFER, JOAN |
| | MORTLOCK, ALAN |
| | NELSON, KENNETH |
| | TEIGEN, TERRY |
| | THOMPSON, STEVEN P |
| | VIVIER, DALE |
| 17191 | NEWBURGH, BEVERLY |
| 17200 | WOOD MAN POLE CO |
| 17201 | SCIENTIFIC RSRC INC |

| Target Street | Cross Street | Source |
|---|---|---|
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# WARNER AVE 1992

| | |
|---|---|
| 4861 | GUY, WILLIAM |
| 4901 | FRANKLIN MARINE SRV |
| 4911 | ARBI TRANSNATIONAL |
| | BETA CNSLTG GRP INC |
| | BOHMAN C PHD |
| | BOLSA CHICA SCHWINN |
| | CA BENEFITS |
| | FOSTER&ASSOCIATES |
| | GOSIN ROBT F DDS |
| | HARBOR WEST LEASE |
| | HARRISON, LAVONNE |
| | JERRY ROBERTS SALON |
| | KELLY INVESTMENTS |
| | KOCH APPRAISAL SERV |
| | KOKUSAI TRAVEL |
| | KUNG PAO CHINS REST |
| | LE PETIT PARADIS |
| | MARINA MEDICAL |
| | MAXIDON |
| | MY FRIEND&EYE |
| | NIERUCHALSKI J DC |
| | NIERUCHALSKI, JOHN |
| | OLIVAREZ, EDWARD J |
| | PAC DESIGN CONCEPTS |
| | R B I&ASSOCIATES |
| | SANTANA PBLCTNS INC |
| | SOUTH CST EMER MED |
| | STERLING&SCOTT |
| | STOCKED MARKET THE |
| | SWAN SALES |
| | TOWER BRIDGE PUB |
| | WATERFRONT PRPRTYS |
| 4933 | JILES, ROBERT C |
| 4935 | COLLINS COMPANY |
| | T R H ENTERPRISES |
| | WORLDS FINEST CHOC |
| 4941 | MIKES LIQUOR&DELI |
| 4945 | LEWIS CLEANERS |
| 4949 | CRUZAT&SCHREIBER |
| 4951 | HARBOUR 1 HR PHOTO |
| 4952 | A B P P DRS PSYCHO |
| | ABANA MARKETING |
| | BAKER, JEFF D |
| | BILL HART DESIGN |
| | CHILES A C REALTY |
| | COLBIE PAC CAPITOL |
| | COLDWELL BKR RSDNTL |
| | COLDWELL BKR SALES |
| | COLLEGE PRO PAINTER |
| | COUNTY RECRDS RSRCH |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 1992 (Cont'd)

| | |
|---|---|
| 4952 | CRAWFORD&CO |
| | DENNIS STEVEN MD |
| | DIVIRGILIO A&ASCTS |
| | EDWARDS&ASSOCIATES |
| | FULKERSON ROBT PHD |
| | GREEN KLEINMAN PHD |
| | HAIR STUDIO |
| | HUNTGTN EXECUTIVE |
| | KUMON HUNTNGTN HRBR |
| | LAGUNA CMNCTN CORP |
| | LEFFERDINK&CO INC |
| | M P I TECHNOLOGIES |
| | MAXIMUM SYSTEMS INC |
| | NIDAY INA&ASSOCTS |
| | PETERS DAVE |
| | PETERS, DAVE |
| | ROBINSON R R PHD |
| | ROBINSON, RAYMOND R |
| | SCHWARTZ LARRY A |
| | SCHWARTZ, LARRY A |
| | SOUCY JERRY G PHD |
| | STATE FARM INS AGNT |
| | VERSTEEG JAN W LAW |
| | WARDFAM CORP |
| 4955 | HINKLE BRIAN |
| | JONATHAN HAIR CTTRS |
| | JULIES HAIR STYLING |
| 4959 | PARENT HELP USA |
| 4972 | AROUND THE GLB TRVL |
| | BODY&NAIL REVUE |
| | HUNTGTN HRBR FLORST |
| | PRIME TIME VIDEO |
| | R X DISC PHARMACY |
| | UPSTAIRS SALON THE |
| 4995 | IMPORT AUTO RPR |
| 5002 | GRIFFITH, MARINE |
| 5005 | KENTUCKY FRIED CHKN |
| 5042 | GRIVETTIS PIZZA PLZ |
| | HARBOUR LIQUOR |
| 5061 | DIONS LIMOUSINE SRV |
| | GOLDEN GLOVE |
| 5062 | SCHER TIRE INC |
| 5075 | AAMES AUTO LEASING |
| | CAL AM ESCROW |
| | KAGAWA, RICK |
| | PARADISE REALTY |
| | S&S LANDSCAPE DSGN |
| | SMITH RICH |
| | SMITH, RICH |
| 5092 | BLAZE PAUL A OD |

| Target Street | Cross Street | Source |
|---|---|---|
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## WARNER AVE 1992 (Cont'd)

| | |
|---|---|
| 5092 | ORANGE CO OPTOMETRC |
| 5112 | BARNAT PAUL M DDS |
| | COLBERT EARL J DDS |
| | ROSENBERG CRAIG DDS |
| | TURIN WM DDS |
| | WESTMORELAND J DDS |
| 5141 | BOB CANNON ARL ADVR |
| | CANNON ROBT J |
| | CANNON, ROBERT J |
| | MEADOWLARK ARPT |
| 5142 | ANIMAL CRACKRS |

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Cause and type of release: **Not known** | | |
| Site characterization complete? **Yes** | Date approved by oversight agency: **9-23-03** | |
| Monitoring wells installed? **Yes** | Number: **6** | Proper screened interval? **Yes** |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | Flow direction: **South/southeast** |
| Most sensitive current use: **Domestic and Municipal Supply** | | |
| Are drinking water wells affected? **No** | Aquifer name: | |
| Is surface water affected? **No** | Nearest/affected SW name | |
| Off-site beneficial use impacts (addresses/locations): **None** | | |
| Report(s) on file? **Yes** | Where is report(s) filed? **OCHCA** | |

### Treatment and Disposal of Affected Material

| Material | Amount (include Units) | Action (treatment or disposal/destination) | Date |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Cause and type of release: **Not known** | | |
| Site characterization complete? **Yes** | Date approved by oversight agency: **9-23-03** | |
| Monitoring wells installed? **Yes** | Number: **6** | Proper screened interval? **Yes** |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | Flow direction: **South/southeast** |
| Most sensitive current use: **Domestic and Municipal Supply** | | |
| Are drinking water wells affected? **No** | Aquifer name: | |
| Is surface water affected? **No** | Nearest/affected SW name | |
| Off-site beneficial use impacts (addresses/locations): **None** | | |
| Report(s) on file? **Yes** | Where is report(s) filed? **OCHCA** | |

### Treatment and Disposal of Affected Material

| Material | Amount (include Units) | Action (treatment or disposal/destination) | Date |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018

Date: **March 16, 2004**

## III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

| Contaminant | Soil (ppm) | | Water (ppm) | | | Contaminant | Soil (ppm) | | Water (ppm) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Before | After | Before | After | Grab Sample | | Before | After | Before | After |
| TPH (gas) | **6700** | **same** | **2.340** | **2.300** | **53** | MTBE | **NA** | **ND** | **ND** | **ND** |
| TPH (diesel) | **1200** | **same** | **.860** | **.510** | **44** | TBA | **NA** | **ND** | **.018** | **.027** |
| Benzene | **3.7** | **same** | **.084** | **.089** | **9.2** | DIPE | **NA** | **ND** | **ND** | **ND** |
| Toluene | **66.2** | **same** | **.140** | **.350** | **8.1** | TAME | **NA** | **ND** | **ND** | **ND** |
| Ethylbenzene | **31.5** | **same** | **.078** | **.082** | **2.2** | ETBE | **NA** | **ND** | **ND** | **ND** |
| Xylenes | **690** | **same** | **.217** | **.360** | **4.6** | | | | | |

Comments (Depth of Remediation, etc.): **The site was operated as a gas station from 1963 to 1977. Site assessment activities consisting of nine borings and one well were conducted in 1993 and 1994 for a property transaction for a bank. Soil and groundwater contamination was detected during those site assessment activities; however, the results were not reported to this Agency until 2003 when Chevron's legal department reviewed the findings and decided further site assessment was necessary. Additional site assessment including installation of five additional wells was conducted to delineate the extent of the plume in 11-02 and 7-03. The highest soil contamination listed in the table above was detected in borings FNB-B6 and MW-3 drilled in the south end of the former tank excavation between 26 and 36 feet below grade (fbg) in borings that are approximately 20 feet apart. FNB-B6 was drilled in November 1993 while MW-3 was installed in November 2002.**

**During the initial assessment in November 1993, one grab groundwater sample was collected from the worst case boring FNB-B6. The results of the grab groundwater sample are listed in the table above. The BTEX in groundwater samples collected from the six wells have been below the MCLs or Santa Ana Regional Water Quality Control Board's "low-risk" concentrations, except for toluene at 350 ppb detected in well MW-3 on in December 2003. Well MW-2 located downgradient of the MW-3 and boring FNB-B6 and former tank excavation was dry for three quarters. Results from December 2003 sampling showed 2.6 ppb benzene, 1.6 ppb xylenes, and non-detect for toluene and ethylbenzene.**

**No further work is recommended for the site with the following considerations:**

- **The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of a southeastern dispenser at depths between 26 to 36 fbg.**
- **The known soil contamination has not significantly impacted groundwater as evident by groundwater results.**
- **The benzene levels seen in well MW-3, the nearest upgradient well to the present building, do not provide a vapor intrusion threat.**

## IV. Closure

| | | |
|---|---|---|
| Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes** | | |
| Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? | | |
| Does corrective action protect public health for current land use? **Yes** | | |
| Site management requirements: **OCHCA must be notified if a structure is going to be place over the area where high soil contaminants remain in place.** | | |
| Should corrective action be reviewed if land use changes? **Yes, if land use changes to residential.** | | |
| Monitoring wells decommissioned **No** | Number decommissioned: | Number Retained: |
| List enforcement actions taken | | |
| List enforcement actions rescinded | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018
Date: March 15, 2004

## V. Local Agency Representative Data

| | | | |
|---|---|---|---|
| Name: Arghavan Rashidi-Fard | | Title: Hazardous Waste Specialist | |
| Signature: Arghavan Rashidi-Fard | | 3-22-04 Karen V. Hood 3/26/04 | Date: 3-15-04 |

## VI. RWQCB Notification

| | | | |
|---|---|---|---|
| Date Submitted to RB: 3-26-04 | | RB Response: Concur w/ Closure | |
| RWQCB Staff Name: Tom Mbeke Ekanem | Title: Sanitary Engineering Associate | | Date: 4/5/04 |
| RWQCB Staff Name: Kenneth R. Williams | Title: Chief, UST Section | | |
| Signature: Kenneth R. Williams | | | Date: 4/5/04 |

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file. Revised: 4/14/94

# APPENDIX D
# ENVIRONMENTAL DATABASE INFORMATION

**Proposed Senior Living Development - HB**
4952 and 4972 Warner Avenue
Huntington Beach, CA 92649

Inquiry Number: 6404402.2s
March 15, 2021

# The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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## GEOCHECK ADDENDUM

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).
The results of this search follow:

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**TARGET PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHEVRON TEXACO 21-2242<br>4972 WARNER<br>HUNTINGTON BEACH, CA 92649<br>1023275812 | A1<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAWRENCE TWOMEY<br>4952 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S113463900 | A2<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242<br>4972 WARNER<br>HUNTINGTON BEACH, CA<br>S114599808 | A3<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242<br>4972 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S102796525 | A4<br>TP | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| MARINA BREAST CENTER<br>4972 WARNER AVE #101<br>HUNTINGTON BEACH, CA 92649<br>S124780670 | A5<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HERITAGE PARK FOUNDATION<br>4952 WARNER AVE STE 110<br>HUNTINGTON BEACH, CA 92649<br>S113067175 | A6<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARINA MEDICAL CENTER<br>4952 WARNER AVE #110<br>HUNTINGTON BEACH, CA 92649<br>S113044941 | A7<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHEVRON TEXACO 21-2242 | A1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAWRENCE TWOMEY | A2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242 | A3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242 | A4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARINA BREAST CENTER | A5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HERITAGE PARK FOUNDATION | A6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARINA MEDICAL CENTER | A7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Site | Map ID | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHEVRON TEXACO 21-2242 | A1 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| LAWRENCE TWOMEY | A2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242 | A3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEVRON TEXACO 21-2242 | A4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| MARINA BREAST CENTER | A5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HERITAGE PARK FOUNDATION | A6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARINA MEDICAL CENTER | A7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**STANDARD ENVIRONMENTAL RECORDS**

| TARGET PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MUZQUIZ ABEL<br>4972 WARNER<br>HUNTINGTN BCH, CA 92647<br>1021815304 | A8<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WHITE CLEANERS<br>4972 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020120065 | A9<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1X FIRST NATIONWIDE BANK<br>4972 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S112851488 | A10<br>TP | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| TARGET PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MUZQUIZ ABEL<br>4972 WARNER<br>HUNTINGTN BCH, CA 92647<br>1021815304 | A8<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WHITE CLEANERS<br>4972 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020120065 | A9<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1X FIRST NATIONWIDE BANK<br>4972 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S112851488 | A10<br>TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**SURROUNDING SITES SEARCH RESULTS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAL BEACH NAVAL WEAPONS STATION<br>, CA<br>CUSA143790 | Region<br>North<br>1/2-1<br>4979 ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOLA DEV CORP<br>SE CORNER WARNER & BOLSA<br>HUNTINGTON BEACH, CA 92648<br>1000142400 | A11<br>< 1/8<br>1 ft.<br>39 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEAL BEACH NAVAL WEAPONS STATION<br>, CA<br>CUSA143790 | Region<br>North<br>1/2-1<br>4979 ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOLA DEV CORP<br>SE CORNER WARNER & BOLSA<br>HUNTINGTON BEACH, CA 92648<br>1000142400 | A11<br>< 1/8<br>1 ft.<br>39 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STEVERSON BROTHRS<br>BOLSA DISPOSAL SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S126983781 | A12<br>ESE<br>< 1/8<br>36 ft.<br><br>41 ft.<br>Higher | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| JET GAS STATION<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>S100938132 | B13<br>NE<br>< 1/8<br>66 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| NANEK PETROL<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003779891 | B14<br>NE<br>< 1/8<br>66 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| JET<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>U001577351 | B15<br>NE<br>< 1/8<br>66 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POWER GAS INC<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020909308 | B16<br>NE<br>< 1/8<br>66 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STEVERSON BROTHRS<br>BOLSA DISPOSAL SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S126983781 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JET GAS STATION<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>S100938132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NANEK PETROL<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003779891 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JET<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>U001577351 | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| POWER GAS INC<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020909308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Site | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STEVERSON BROTHRS<br>BOLSA DISPOSAL SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S126983781 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JET GAS STATION<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>S100938132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| NANEK PETROL<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003779891 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JET<br>5002 WARNER<br>HUNTINGTON BEACH, CA 92649<br>U001577351 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POWER GAS INC<br>5002 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020909308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

| Site | Map ID / Direction / Distance / Distance ft. / Elevation ft. |
|---|---|
| GW CLEANUP-H.B.,WARNER AVE<br>5002 WARNER AVENUE<br>HUNTINGTON BEACH, CA 92649<br>S105774257 | B17<br>NE<br>< 1/8<br>66 ft.<br><br>37 ft.<br>Lower |
| VERIZON CA INC WARNER CO<br>17111 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>U004316583 | C18<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher |
| FRONTIER CALIFORNIA INC.<br>17111 BOLSA CHICA ROAD<br>HUNTINGTON BEACH, CA 92649<br>1024750728 | C19<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher |
| FRONTIER CALIFORNIA INC.<br>17111 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>S101631353 | C20<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher |
| GTC CENTRAL OFFICE<br>17111 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92647<br>1000106383 | C21<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher |

**STANDARD ENVIRONMENTAL RECORDS**

| Map ID | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B17 | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| C18 | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| C19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C21 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B17 | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| C18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| C20 | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| C21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map ID | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| C18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C21 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FRONTIER CALIFORNIA INC.<br>17111 BOLSA CHICA ROAD<br>HUNTINGTON BEACH, CA 92649<br>1025835098 | C22<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GTE (WARNER)<br>17111 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92647<br>S102430697 | C23<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| GENERAL TELEPHONE CO<br>17111 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>S105696081 | C24<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| FRONTIER CALIFORNIA, INC.;<br>WARNER CO<br>17111 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>U003913352 | C25<br>SSE<br>< 1/8<br>80 ft.<br><br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| NASSIM JEBAII<br>4995 WARNER<br>HUNTINGTON BEACH, CA 92647<br>U001577279 | B26<br>NNE<br>< 1/8<br>100 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FRONTIER CALIFORNIA INC. | C22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| GTE (WARNER) | C23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL TELEPHONE CO | C24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRONTIER CALIFORNIA, INC.; WARNER CO | C25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NASSIM JEBAII | B26 | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |

| Site | Map ID | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FRONTIER CALIFORNIA INC. | C22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GTE (WARNER) | C23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL TELEPHONE CO | C24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| FRONTIER CALIFORNIA, INC.; WARNER CO | C25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NASSIM JEBAII | B26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOBIL OIL<br>4995 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U001559389 | B27<br>NNE<br>< 1/8<br>100 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NASSIMS ARCO SERVICE CENTER<br>4995 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020216603 | B28<br>NNE<br>< 1/8<br>100 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPORT AUTO RPR<br>4995 WARNER<br>HUNTINGTON BEACH, CA 92649<br>1000595026 | B29<br>NNE<br>< 1/8<br>100 ft.<br>37 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | X | | | | | | | | | |
| MOBIL #18-D7E<br>4995 WARNER AVE<br>HUNTINGTON BEACH, CA 92647<br>S103247674 | B30<br>NNE<br>< 1/8<br>100 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| IMPORT AUTO REPAIR<br>4995 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003713549 | B31<br>NNE<br>< 1/8<br>100 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B27 | | | | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | | | | |
| B28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map ID | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B29 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | X | | | |
| B30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LEWIS CLEANERS<br>4945 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1020027464 | D32<br>NNW<br>< 1/8<br>110 ft.<br>38 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEWIS CLEANERS<br>4945 WARNER<br>HUNTINGTON BEACH, CA 92648<br>1000472944 | D33<br>NNW<br>< 1/8<br>110 ft.<br>38 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| LEWIS CLEANER<br>4945 WARNER AVE<br>HUNTINGTON BEACH, CA 91732<br>S121696501 | D34<br>NNW<br>< 1/8<br>110 ft.<br>38 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WALGREENS #12140<br>4935 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1019322528 | D35<br>NNW<br>< 1/8<br>148 ft.<br>38 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| WALGREENS #12140<br>4935 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S113161602 | D36<br>NNW<br>< 1/8<br>148 ft.<br>38 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LEWIS CLEANERS | D32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEWIS CLEANERS | D33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | X | |
| LEWIS CLEANER | D34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| WALGREENS #12140 | D35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WALGREENS #12140 | D36 | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**STANDARD ENVIRONMENTAL RECORDS**

| SURROUNDING PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOVKO SALES<br>16961 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>1000595020 | B37<br>NNE<br>< 1/8<br>168 ft.<br>36 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| STEVERSON BROS. BOUCHER SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S100538753 | C38<br>SE<br>< 1/8<br>178 ft.<br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | X | | | | | | | | | | X | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1025879555 | B39<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1014387974 | B40<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| STEVERSON BROTHERS BOLSA CHICA<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA<br>S103442609 | C41<br>SE<br>< 1/8<br>218 ft.<br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOVKO SALES<br>16961 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>1000595020 | B37<br>NNE<br>< 1/8<br>168 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEVERSON BROS. BOUCHER SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S100538753 | C38<br>SE<br>< 1/8<br>178 ft.<br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1025879555 | B39<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1014387974 | B40<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| STEVERSON BROTHERS BOLSA CHICA<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA<br>S103442609 | C41<br>SE<br>< 1/8<br>218 ft.<br>43 ft.<br>Higher | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOVKO SALES<br>16961 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>1000595020 | B37<br>NNE<br>< 1/8<br>168 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | | |
| STEVERSON BROS. BOUCHER SITE<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA 92649<br>S100538753 | C38<br>SE<br>< 1/8<br>178 ft.<br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1025879555 | B39<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPEST EQUITY<br>16928 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92648<br>1014387974 | B40<br>NNE<br>< 1/8<br>206 ft.<br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | | |
| STEVERSON BROTHERS BOLSA CHICA<br>SE OF BOLSA CHICA & DUNBAR<br>HUNTINGTON BEACH, CA<br>S103442609 | C41<br>SE<br>< 1/8<br>218 ft.<br>43 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**STANDARD ENVIRONMENTAL RECORDS**

| SURROUNDING PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CVS PHARMACY #9373<br>16922 BOLSA CHICA STREET<br>HUNTINGTON BEACH, CA 92649<br>1000377481 | B42<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| CVS PHARMACY # 9373<br>16922 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>S113799993 | B43<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAESAR'S CLEANERS<br>16922 BOLSA CHICA RD<br>HUNTINGTON BEACH, CA 92649<br>S121695495 | B44<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIRE CHOICE 1646<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1025871654 | E45<br>ENE<br>< 1/8<br>405 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCHER TIRE #12<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S101589435 | E46<br>ENE<br>< 1/8<br>405 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| SURROUNDING PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CVS PHARMACY #9373<br>16922 BOLSA CHICA STREET<br>HUNTINGTON BEACH, CA 92649<br>1000377481 | B42<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVS PHARMACY # 9373<br>16922 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>S113799993 | B43<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAESAR'S CLEANERS<br>16922 BOLSA CHICA RD<br>HUNTINGTON BEACH, CA 92649<br>S121695495 | B44<br>NNE<br>< 1/8<br>221 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIRE CHOICE 1646<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1025871654 | E45<br>ENE<br>< 1/8<br>405 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCHER TIRE #12<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S101589435 | E46<br>ENE<br>< 1/8<br>405 ft.<br><br>37 ft.<br>Lower | | | | | | | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCHER TIRE<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003879912 | E47<br>ENE<br>< 1/8<br>405 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| CERTIFIED TIRE & SERVICE CENTERS<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1024836852 | E48<br>ENE<br>< 1/8<br>405 ft.<br>37 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEI LING LIU<br>4861 CURTIS CIR<br>HUNTINGTON BEACH, CA 92649<br>1025846749 | 49<br>SW<br>< 1/8<br>584 ft.<br>49 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHARLES & FAYE CRUZAT<br>4931 CHARLENE CIR<br>HUNTINGTON BEACH, CA 92649<br>1025845304 | 50<br>North<br>< 1/8<br>646 ft.<br>33 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRACIELA K SULLIVAN DDS INC<br>5112 WARNER AVE STE 104<br>HUNTINGTON BEACH, CA 92649<br>1024870908 | E51<br>ENE<br>1/8-1/4<br>671 ft.<br>38 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCHER TIRE<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003879912 | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CERTIFIED TIRE & SERVICE CENTERS<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1024836852 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| MEI LING LIU<br>4861 CURTIS CIR<br>HUNTINGTON BEACH, CA 92649<br>1025846749 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| CHARLES & FAYE CRUZAT<br>4931 CHARLENE CIR<br>HUNTINGTON BEACH, CA 92649<br>1025845304 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| GRACIELA K SULLIVAN DDS INC<br>5112 WARNER AVE STE 104<br>HUNTINGTON BEACH, CA 92649<br>1024870908 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |

| Site | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCHER TIRE<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>U003879912 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CERTIFIED TIRE & SERVICE CENTERS<br>5062 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1024836852 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEI LING LIU<br>4861 CURTIS CIR<br>HUNTINGTON BEACH, CA 92649<br>1025846749 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHARLES & FAYE CRUZAT<br>4931 CHARLENE CIR<br>HUNTINGTON BEACH, CA 92649<br>1025845304 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRACIELA K SULLIVAN DDS INC<br>5112 WARNER AVE STE 104<br>HUNTINGTON BEACH, CA 92649<br>1024870908 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**STANDARD ENVIRONMENTAL RECORDS**

| SURROUNDING PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHARLES CRUZAT<br>16871 GREEN LN<br>HUNTINGTON BEACH, CA 92649<br>1025856108 | 52<br>NNW<br>1/8-1/4<br>731 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1004440079 | F53<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER<br>HUNTINGTON BEACH, CA 92649<br>U001577354 | F54<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER<br>HUNTINGTON BEACH, CA 92649<br>1001262437 | F55<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| CHERNEY, MICHAEL<br>16902 LYNN STREET<br>HUNTINGTON BEACH, CA 92649<br>1024769008 | G56<br>WNW<br>1/8-1/4<br>1013 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| SURROUNDING PROPERTY SEARCH RESULTS<br>Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHARLES CRUZAT<br>16871 GREEN LN<br>HUNTINGTON BEACH, CA 92649<br>1025856108 | 52<br>NNW<br>1/8-1/4<br>731 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1004440079 | F53<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER<br>HUNTINGTON BEACH, CA 92649<br>U001577354 | F54<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEADOWLARK AIRPORT<br>5141 WARNER<br>HUNTINGTON BEACH, CA 92649<br>1001262437 | F55<br>ENE<br>1/8-1/4<br>898 ft.<br><br>36 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHERNEY, MICHAEL<br>16902 LYNN STREET<br>HUNTINGTON BEACH, CA 92649<br>1024769008 | G56<br>WNW<br>1/8-1/4<br>1013 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

| Site | Map ID / Direction / Distance / Distance ft. / Elevation ft. |
|---|---|
| MEADOWLARK CLEANERS<br>5225 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1000985109 | 57<br>NE<br>1/8-1/4<br>1019 ft.<br>33 ft.<br>Lower |
| SERVICE FIRST RESTORATION<br>16815 SNAPPER DR.<br>HUNTINGTON BEACH, CA 92649<br>1026044951 | H58<br>North<br>1/8-1/4<br>1082 ft.<br>29 ft.<br>Lower |
| MCCARTHEY ROOFING<br>16872 LYNN LN #F<br>HUNTINGTON BEACH, CA 92647<br>1024770685 | G59<br>NW<br>1/8-1/4<br>1100 ft.<br>31 ft.<br>Lower |
| LION PROPERTIES<br>5172 DUNBAR DR #B<br>HUNTINGTON BEACH, CA 92649<br>1025859154 | I60<br>East<br>1/8-1/4<br>1106 ft.<br>24 ft.<br>Lower |
| LION PROPERTIES<br>5172 DUNBAR DR #A<br>HUNTINGTON BEACH, CA 92649<br>1025856260 | I61<br>East<br>1/8-1/4<br>1106 ft.<br>24 ft.<br>Lower |

**STANDARD ENVIRONMENTAL RECORDS**

| Map ID | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| H58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| H58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map ID | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | X | |
| H58 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G59 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I60 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I61 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON SEAPORT #2<br>16901 LYNN LANE<br>HUNTINGTON BEACH, CA 92649<br>1026484021 | G62<br>WNW<br>1/8-1/4<br>1106 ft.<br><br>33 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY CO #131<br>5241 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1024813161 | F63<br>ENE<br>1/8-1/4<br>1126 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY #131<br>5241 WARNER AVENUE<br>HUNTINGTON BEACH, CA 92649<br>S107138078 | F64<br>ENE<br>1/8-1/4<br>1126 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY CO #131<br>5241 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>S113140867 | F65<br>ENE<br>1/8-1/4<br>1126 ft.<br><br>32 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JULIANA & DAN CHINN<br>16791 HOSKINS ST #B<br>HUNTINGTON BEACH, CA 92649<br>1026169137 | 66<br>NNW<br>1/8-1/4<br>1196 ft.<br><br>28 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON SEAPORT #2 | G62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| RALPHS GROCERY CO #131 | F63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| RALPHS GROCERY #131 | F64 | | | | | | | | | | | | | X | | | | | | | | | | | | X | | | | | |
| RALPHS GROCERY CO #131 | F65 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JULIANA & DAN CHINN | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

| Site | Map ID | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON SEAPORT #2 | G62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY CO #131 | F63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY #131 | F64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RALPHS GROCERY CO #131 | F65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JULIANA & DAN CHINN | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID / Direction / Distance / Distance ft. / Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIM, BECKY<br>4956 PEARCE DRIVE<br>HUNTINGTON BEACH, CA 92649<br>1024766430 | H67<br>North<br>1/8-1/4<br>1312 ft.<br>27 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHORELINE BATTERY RANGE COMPLEX - LAND<br>HUNTINGTON BEACH, CA<br>1024714384 | J68<br>South<br>1/4-1/2<br>2031 ft.<br>46 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHORELINE BATTERY RANGE COMPLEX - WATER<br>HUNTINGTON BEACH, CA<br>1024714779 | J69<br>South<br>1/4-1/2<br>2031 ft.<br>46 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOLSA CHICA MIL RES<br>HUNTINGTON BEACH, CA<br>1009484690 | J70<br>South<br>1/4-1/2<br>2031 ft.<br>46 ft.<br>Higher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOLSA CHICA MILITARY RES BOUNDED BY LOS PATOS AVENUE TO THE NORTH AND PACIFIC COAST H<br>SANTA ANA, CA 92649<br>S110711865 | J71<br>South<br>1/4-1/2<br>2032 ft.<br>42 ft.<br>Higher | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| J68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| J71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Map ID | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| J69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| J70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

| Site | Map ID<br>Direction<br>Distance<br>Distance ft.<br>Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON HARBOUR CAR WASH<br>16921 ALGONQUIN ST.<br>HUNTINGTON BEACH, CA 92649<br>S100453867 | K72<br>WNW<br>1/4-1/2<br>2454 ft.<br>28 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOUR CAR WASH<br>16921 ALGONQUIN<br>HUNTINGTON BEACH, CA 92649<br>U003659641 | K73<br>WNW<br>1/4-1/2<br>2454 ft.<br>28 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | |
| HUNTINGTON HARBOUR CAR WASH<br>16921 ALGONQUIN ST.<br>HUNTINGTON BEACH, CA 92649<br>S100453830 | K74<br>WNW<br>1/4-1/2<br>2454 ft.<br>28 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOR CAR WASH<br>16921 ALGONQUIN ST<br>HUNTINGTON BEACH, CA 92649<br>S101609553 | K75<br>WNW<br>1/4-1/2<br>2454 ft.<br>28 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| BOUCHER LANDFILL<br>WARNER AVE E OF BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>1015732802 | 76<br>ENE<br>1/4-1/2<br>2568 ft.<br>14 ft.<br>Lower | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON HARBOUR CAR WASH | K72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOUR CAR WASH | K73 | | | | | | | | | | | | | X | | | | | | | X | | | | | | | | | | |
| HUNTINGTON HARBOUR CAR WASH | K74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOR CAR WASH | K75 | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| BOUCHER LANDFILL | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

| Site | Map ID | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HUNTINGTON HARBOUR CAR WASH | K72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOUR CAR WASH | K73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| HUNTINGTON HARBOUR CAR WASH | K74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUNTINGTON HARBOR CAR WASH | K75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOUCHER LANDFILL | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## EXECUTIVE SUMMARY

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649
Elevation: 40 ft.
EDR Inquiry Number: 6404402.2s

**SURROUNDING PROPERTY SEARCH RESULTS**

**STANDARD ENVIRONMENTAL RECORDS**

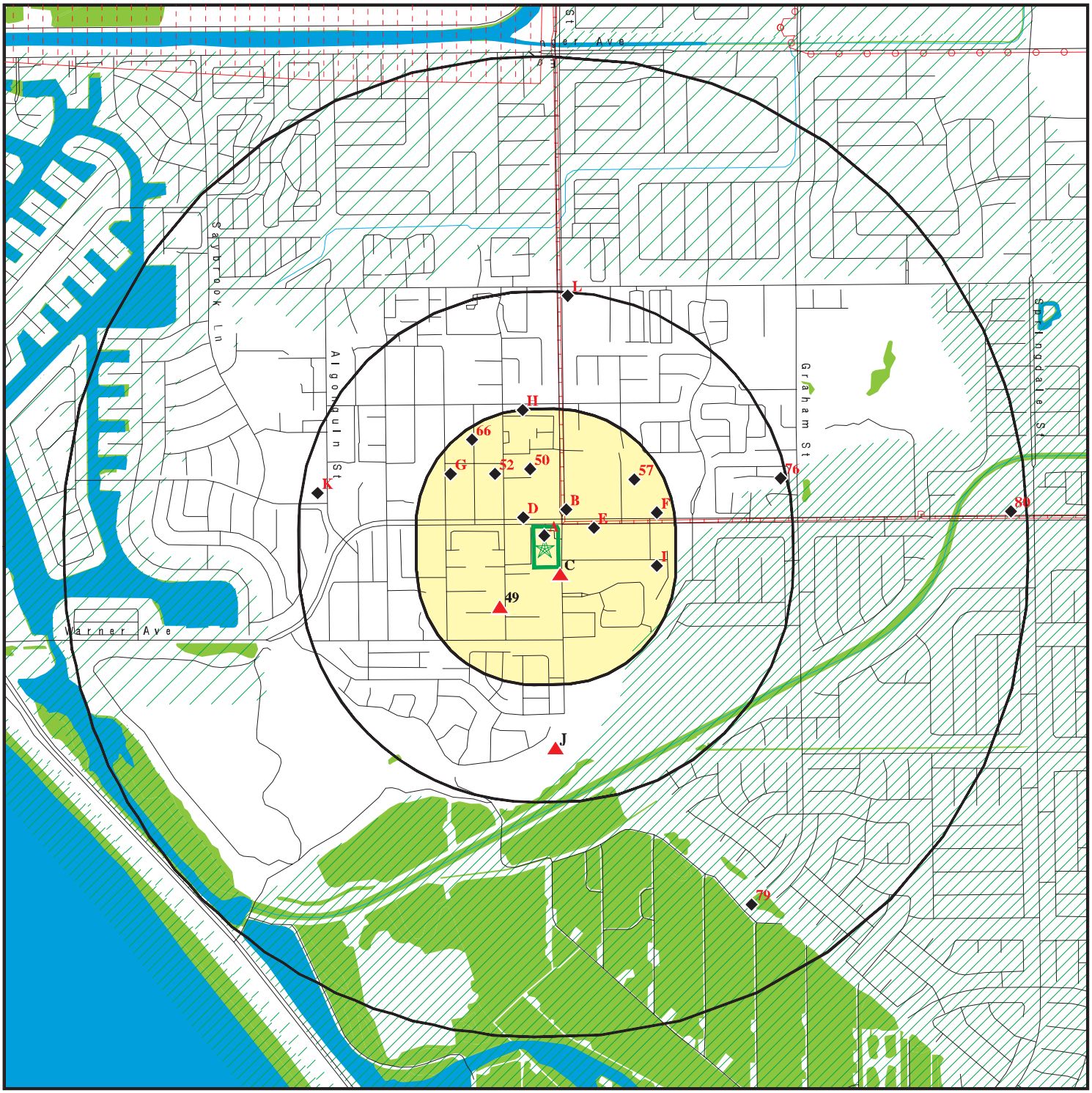
| Site | Map ID / Direction / Distance / Distance ft. / Elevation ft. | NPL | Proposed NPL | NPL LIENS | Delisted NPL | FEDERAL FACILITY | SEMS | SEMS-ARCHIVE | CORRACTS | RCRA-TSDF | RCRA-LQG | RCRA-SQG | RCRA-VSQG | LUCIS | US ENG CONTROLS | US INST CONTROLS | ERNS | RESPONSE | ENVIROSTOR | SWF/LF | LUST | INDIAN LUST | CPS-SLIC | FEMA UST | UST | AST | INDIAN UST | INDIAN VCP | VCP | BROWNFIELDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAHAGIAN AM/PM<br>16502 BOLSA CHICA ST<br>HUNTINGTON BEACH, CA 92649<br>S101589101 | L77<br>North<br>1/4-1/2<br>2594 ft.<br>16 ft.<br>Lower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARCO #1812<br>16502 BOLSA CHICA<br>HUNTINGTON BEACH, CA 92649<br>S102424186 | L78<br>North<br>1/4-1/2<br>2594 ft.<br>16 ft.<br>Lower | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| FIELDSTONE PROPERTY<br>END OF GRAHAM ST/N OF<br>BOLSA CHICA WETLAN<br>HUNTINGTON BEACH, CA 92649<br>S105481910 | 79<br>SSE<br>1/2-1<br>4371 ft.<br>0 ft.<br>Lower | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | |
| CROWN CLEANERS<br>5935 WARNER AVE<br>HUNTINGTON BEACH, CA 92649<br>1000437496 | 80<br>East<br>1/2-1<br>5100 ft.<br>7 ft.<br>Lower | | | | | | | | | | | | X | | | | | | X | | | | | | | | | | X | |

**ADDITIONAL ENVIRONMENTAL RECORDS**

| Site | Map ID | US BROWNFIELDS | WMUDS/SWAT | SWRCY | HAULERS | INDIAN ODI | DEBRIS REGION 9 | ODI | IHS OPEN DUMPS | US HIST CDL | HIST Cal-Sites | SCH | CDL | CERS HAZ WASTE | Toxic Pits | US CDL | PFAS | SWEEPS UST | HIST UST | CA FID UST | CERS TANKS | LIENS | LIENS 2 | DEED | HMIRS | CHMIRS | LDS | MCS | Orange Co. Industrial | SPILLS 90 | RCRA NonGen / NLR | FUDS | DOD | SCRD DRYCLEANERS | US FIN ASSUR | EPA WATCH LIST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAHAGIAN AM/PM | L77 | | | | | | | | | | | | | | | | | X | | X | | | | | | X | | | | | | | | | | |
| ARCO #1812 | L78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELDSTONE PROPERTY | 79 | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CROWN CLEANERS | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Site | Map ID | 2020 COR ACTION | TSCA | TRIS | SSTS | ROD | RMP | RAATS | PRP | PADS | ICIS | FTTS | MLTS | COAL ASH DOE | COAL ASH EPA | PCB TRANSFORMER | RADINFO | HIST FTTS | DOT OPS | CONSENT | INDIAN RESERV | FUSRAP | UMTRA | LEAD SMELTERS | US AIRS | US MINES | ABANDONED MINES | FINDS | DOCKET HWC | ECHO | UXO | FUELS PROGRAM | CA BOND EXP. PLAN | Cortese | CUPA Listings | DRYCLEANERS | EMI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAHAGIAN AM/PM | L77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARCO #1812 | L78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| FIELDSTONE PROPERTY | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CROWN CLEANERS | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | X | | | | | | X | X |

# OVERVIEW MAP - 6404402.2S




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Proposed Senior Living Development - HB | CLIENT: Terracon |
| ADDRESS: 4952 and 4972 Warner Avenue<br>Huntington Beach CA 92649 | CONTACT: Meg Haile<br>INQUIRY #: 6404402.2s |
| LAT/LONG: 33.714457 / 118.042063 | DATE: March 15, 2021 11:03 am |

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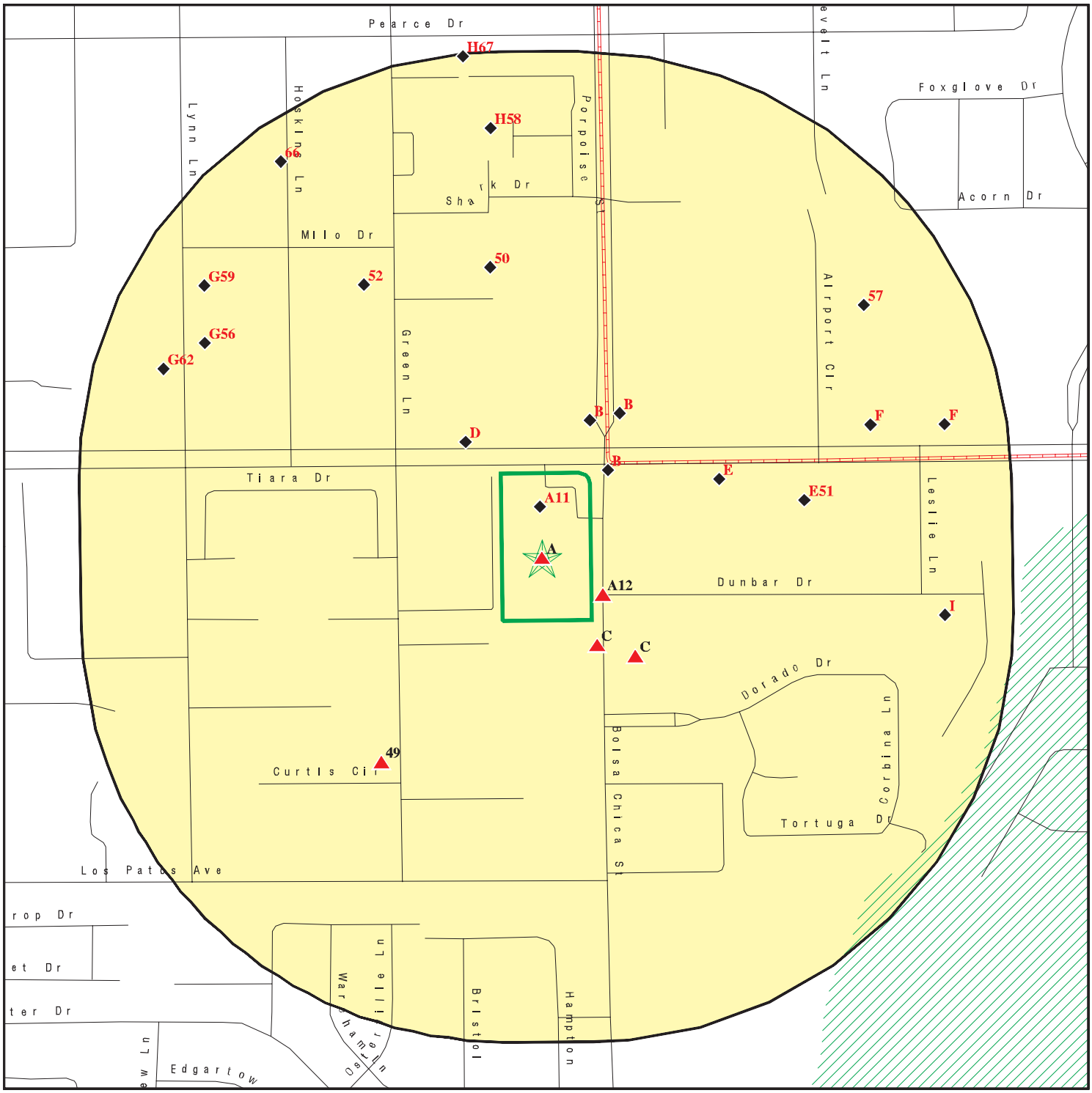
# DETAIL MAP - 6404402.2S




0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Proposed Senior Living Development - HB<br>ADDRESS: 4952 and 4972 Warner Avenue<br>Huntington Beach CA 92649<br>LAT/LONG: 33.714457 / 118.042063 | CLIENT: Terracon<br>CONTACT: Meg Haile<br>INQUIRY #: 6404402.2s<br>DATE: March 15, 2021 11:05 am |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal CERCLIS NFRAP site list*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 2 | 0 | NR | NR | NR | 2 |
| RCRA-SQG | 0.250 | | 7 | 1 | NR | NR | NR | 8 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent NPL*** | | | | | | | | |
| RESPONSE | 1.000 | | 0 | 0 | 0 | 1 | NR | 1 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| ENVIROSTOR | 1.000 | | 1 | 0 | 1 | 2 | NR | 4 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| LUST | 0.500 | 2 | 6 | 2 | 3 | NR | NR | 13 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 5 | 1 | NR | NR | NR | 6 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| SWRCY | 0.500 | | 0 | 1 | 0 | NR | NR | 1 |
| HAULERS | TP | | NR | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 0 | 1 | NR | 1 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 3 | 2 | NR | NR | NR | 5 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| SWEEPS UST | 0.250 | | 2 | 0 | NR | NR | NR | 2 |
| HIST UST | 0.250 | | 2 | 1 | NR | NR | NR | 3 |
| CA FID UST | 0.250 | | 3 | 0 | NR | NR | NR | 3 |
| CERS TANKS | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| ***Local Land Records*** | | | | | | | | |
| LIENS | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| DEED | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| CHMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| LDS | TP | | NR | NR | NR | NR | NR | 0 |
| MCS | TP | | NR | NR | NR | NR | NR | 0 |
| Orange Co. Industrial Site | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 6 | 11 | NR | NR | NR | 17 |
| FUDS | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| DOD | 1.000 | | 0 | 0 | 0 | 1 | NR | 1 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | 1 | NR | NR | NR | NR | NR | 1 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 2 | 0 | NR | 2 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Cortese | 0.500 | 1 | 4 | 1 | 2 | NR | NR | 8 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| CUPA Listings | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 3 | 1 | NR | NR | NR | 4 |
| EMI | TP | | NR | NR | NR | NR | NR | 0 |
| ENF | TP | | NR | NR | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| HAZNET | TP | 4 | NR | NR | NR | NR | NR | 4 |
| ICE | TP | | NR | NR | NR | NR | NR | 0 |
| HIST CORTESE | 0.500 | | 3 | 1 | 2 | NR | NR | 6 |
| HWP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HWT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MWMP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| PEST LIC | TP | | NR | NR | NR | NR | NR | 0 |
| PROC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Notify 65 | 1.000 | | 0 | 0 | 2 | 0 | NR | 2 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| UIC GEO | TP | | NR | NR | NR | NR | NR | 0 |
| WASTEWATER PITS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | TP | | NR | NR | NR | NR | NR | 0 |
| WIP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MILITARY PRIV SITES | TP | | NR | NR | NR | NR | NR | 0 |
| PROJECT | TP | | NR | NR | NR | NR | NR | 0 |
| WDR | TP | | NR | NR | NR | NR | NR | 0 |
| CIWQS | TP | | NR | NR | NR | NR | NR | 0 |
| CERS | TP | 1 | NR | NR | NR | NR | NR | 1 |
| NON-CASE INFO | TP | | NR | NR | NR | NR | NR | 0 |
| OTHER OIL GAS | TP | | NR | NR | NR | NR | NR | 0 |
| PROD WATER PONDS | TP | | NR | NR | NR | NR | NR | 0 |
| SAMPLING POINT | TP | | NR | NR | NR | NR | NR | 0 |
| WELL STIM PROJ | TP | | NR | NR | NR | NR | NR | 0 |
| MINES MRDS | TP | | NR | NR | NR | NR | NR | 0 |
| HWTS | TP | 5 | NR | NR | NR | NR | NR | 5 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | 1 | 2 | NR | NR | NR | NR | 3 |
| EDR Hist Cleaner | 0.125 | 1 | 1 | NR | NR | NR | NR | 2 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | 1 | NR | NR | NR | NR | NR | 1 |
| - Totals -- | | 17 | 54 | 22 | 14 | 5 | 0 | 112 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1 Target Property** | **CHEVRON TEXACO 21-2242** | **FINDS** | **1023275812**
**4972 WARNER** | **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 1 of 12 in cluster A**

**Actual: 40 ft.**

FINDS:
Registry ID: 110065660966

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

---

**A2 Target Property** | **LAWRENCE TWOMEY** | **HAZNET** | **S113463900**
**4952 WARNER AVE** | **HWTS** | **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 2 of 12 in cluster A**

**Actual: 40 ft.**

HAZNET:

| | |
|---|---|
| Name: | LAWRENCE TWOMEY |
| Address: | 4952 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | SUSAN HART |
| Telephone: | 7148461258 |
| Mailing Address: | 4952 WARNER AVE STE 105 |
| Year: | 2010 |
| Gepaid: | CAC002659565 |
| TSD EPA ID: | AZC950823111 |
| CA Waste Code: | 151 - Asbestos containing waste |
| Disposal Method: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Tons: | 0.4 |

Additional Info:

| | |
|---|---|
| Year: | 2010 |
| Gen EPA ID: | CAC002659565 |
| Shipment Date: | 20101118 |
| Creation Date: | 4/22/2011 18:30:20 |
| Receipt Date: | 20101124 |
| Manifest ID: | 002131897FLE |
| Trans EPA ID: | CAL000209864 |
| Trans Name: | KEY ENV SRRVICES |
| Trans 2 EPA ID: | CAR000049064 |
| Trans 2 Name: | ECTI |
| TSDF EPA ID: | AZC950823111 |
| Trans Name: | LA PAZ COUNTY LANDFILL |
| Waste Code Description: | 151 - Asbestos-containing waste |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.4 |
| Waste Quantity: | 1 |
| Quantity Unit: | Y |

**LAWRENCE TWOMEY (Continued)** **S113463900**

HWTS:

| | |
|---|---|
| Name: | LAWRENCE TWOMEY |
| Address: | 4952 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAC002659565 |
| Inactive Date: | 05/04/2011 |
| Create Date: | 11/04/2010 |
| Last Act Date: | 11/04/2010 |
| Mailing Address: | 4952 WARNER AVE STE 105 |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Owner Name: | LAWRENCE TWOMEY |
| Owner Address: | 4952 WARNER AVE STE 105 |
| Owner City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact Name: | SUSAN HART |
| Contact Address: | 4952 WARNER AVE STE 105 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |

---

**A3 Target Property** | **CHEVRON TEXACO 21-2242** | **RGA LUST** | **S114599808**
**4972 WARNER** | **N/A**
**HUNTINGTON BEACH, CA**

**Site 3 of 12 in cluster A**

**Actual: 40 ft.**

RGA LUST:

| | | | |
|---|---|---|---|
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2012 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2011 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2010 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2009 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2008 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |
| State: | HUNTINGTON BEACH | | |
| | 2007 | CHEVRON TEXACO 21-2242 | 4972 WARNER |
| Name: | CHEVRON TEXACO 21-2242 | | |
| Address: | 4972 WARNER | | |
| City: | HUNTINGTON BEACH | | |

**CHEVRON TEXACO 21-2242 (Continued)** **S114599808**

State: HUNTINGTON BEACH
2006 CHEVRON TEXACO 21-2242 4972 WARNER
Name: CHEVRON TEXACO 21-2242
Address: 4972 WARNER
City: HUNTINGTON BEACH
State: HUNTINGTON BEACH
2005 CHEVRON TEXACO 21-2242 4972 WARNER

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**A4 Target Property** | **CHEVRON TEXACO 21-2242**
**4972 WARNER AVE**
**HUNTINGTON BEACH, CA 92649** | **LUST Cortese CERS** | **S102796525 N/A**

**Site 4 of 12 in cluster A**

**Actual: 40 ft.**

LUST REG 8:

| | |
|---|---|
| Name: | CHEVRON TEXACO 21-2242 |
| Address: | 4972 WARNER AVE |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Case Closed |
| Local Case Num: | 03UT018 |
| Case Type: | Other ground water affected |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| Enf Type: | CLOS |
| How Discovered: | SA |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605940455 |
| How Stopped Date: | 9/9/9999 |
| Date Preliminary Assessment Began: | 4/23/2003 |
| Discover Date: | 11/10/1993 |
| Close Date: | 3/16/2004 |
| Date Pollution Characterization Began: | 11/10/1993 |
| GW Qualifies: | ND |
| Soil Qualifies: | ND |
| Oversite Program: | LUST |
| Latitude: | 0 |
| Longitude: | 0 |
| MTBE Date: | 3/24/2004 |
| Max MTBE GW: | 0 |
| MTBE Concentration: | 0 |
| Max MTBE Soil: | 0 |
| MTBE Fuel: | 1 |
| MTBE Tested: | MTBE Detected. Site tested for MTBE & MTBE detected |
| MTBE Class: | * |
| Staff: | TME |
| Staff Initials: | AR |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

LUST:

**CHEVRON TEXACO 21-2242 (Continued)** **S102796525**

| | |
|---|---|
| Name: | CHEVRON TEXACO 21-2242 |
| Address: | 4972 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605940455 |
| Global Id: | T0605940455 |
| Latitude: | 33.714924 |
| Longitude: | -118.041927 |
| Status: | Completed - Case Closed |
| Status Date: | 03/16/2004 |
| Case Worker: | GH |
| Local Agency: | ORANGE COUNTY LOP |
| File Location: | Local Agency Warehouse |
| Local Case Number: | 03UT018 |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline |

LUST:

| | |
|---|---|
| Global Id: | T0605940455 |
| Contact Type: | Local Agency Caseworker |
| Contact Name: | GENIECE HIGGINS |
| Organization Name: | ORANGE COUNTY LOP |
| Address: | 1241 EAST DYER ROAD SUITE 120 |
| City: | SANTA ANA |
| Email: | ghiggins@ochca.com |
| Phone Number: | 7144336260 |

| | |
|---|---|
| Global Id: | T0605940455 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | MIGUEL OVIEDO |
| Organization Name: | SANTA ANA RWQCB (REGION 8) |
| Address: | 3737 Main Street, Suite 500 |
| City: | RIVERSIDE |
| Email: | miguel.oviedo@waterboards.ca.gov |
| Phone Number: | 9517823238 |

LUST:

| | |
|---|---|
| Global Id: | T0605940455 |
| Action Type: | ENFORCEMENT |
| Date: | 06/01/2004 |
| Action: | Closure/No Further Action Letter |

| | |
|---|---|
| Global Id: | T0605940455 |
| Action Type: | ENFORCEMENT |
| Date: | 04/23/2003 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605940455 |
| Action Type: | RESPONSE |
| Date: | 05/23/2003 |
| Action: | Soil and Water Investigation Workplan |

| | |
|---|---|
| Global Id: | T0605940455 |
| Action Type: | ENFORCEMENT |
| Date: | 04/23/2003 |
| Action: | Notice of Responsibility |

**CHEVRON TEXACO 21-2242 (Continued)** **S102796525**

Global Id: T0605940455
Action Type: ENFORCEMENT
Date: 03/16/2004
Action: LOP Case Closure Summary to RB

Global Id: T0605940455
Action Type: Other
Date: 11/10/1993
Action: Leak Discovery

Global Id: T0605940455
Action Type: Other
Date: 01/29/2003
Action: Leak Reported

LUST:
Global Id: T0605940455
Status: Open - Case Begin Date
Status Date: 11/10/1993

Global Id: T0605940455
Status: Open - Site Assessment
Status Date: 11/10/1993

Global Id: T0605940455
Status: Open - Site Assessment
Status Date: 04/23/2003

Global Id: T0605940455
Status: Completed - Case Closed
Status Date: 03/16/2004

CORTESE:
Name: CHEVRON TEXACO 21-2242
Address: 4972 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: CORTESE
Global ID: T0605940455
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Flag: active
File Name: Active Open

CERS:
Name: CHEVRON TEXACO 21-2242
Address: 4972 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 234178
CERS ID: T0605940455
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: GENIECE HIGGINS - ORANGE COUNTY LOP
Affiliation Address: 1241 EAST DYER ROAD SUITE 120

**CHEVRON TEXACO 21-2242 (Continued)** **S102796525**

| | |
|---|---|
| Affiliation City: | SANTA ANA |
| Affiliation State: | CA |
| Affiliation Phone: | 7144336260 |
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8) |
| Affiliation Address: | 3737 Main Street, Suite 500 |
| Affiliation City: | RIVERSIDE |
| Affiliation State: | CA |
| Affiliation Phone: | 9517823238 |

---

**A5 Target Property** **MARINA BREAST CENTER** **HWTS** **S124780670**
**4972 WARNER AVE #101** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 5 of 12 in cluster A**

**Actual: 40 ft.**

HWTS:

| | |
|---|---|
| Name: | MARINA BREAST CENTER |
| Address: | 4972 WARNER AVE #101 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAL000059725 |
| Inactive Date: | 06/30/1998 |
| Create Date: | 05/07/1992 |
| Last Act Date: | 04/27/1999 |
| Mailing Address: | 4972 WARNER AVE STE 101 |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926495507 |
| Owner Name: | DUFOUR JEAN PIERRE M D |
| Owner Address: | -- |
| Owner City,State,Zip: | --, 99 -- |
| Contact Name: | -- |
| Contact Address: | INACT PER 98VQ FINAL NOTICE |
| Contact Address 2: | - BATCH 4/27 |
| City,State,Zip: | --, 99 -- |

---

**A6 Target Property** **HERITAGE PARK FOUNDATION** **HAZNET** **S113067175**
**4952 WARNER AVE STE 110** **HWTS** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 6 of 12 in cluster A**

**Actual: 40 ft.**

HAZNET:

| | |
|---|---|
| Name: | HERITAGE PARK FOUNDATION |
| Address: | 4952 WARNER AVE STE 110 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | LESLIE LOCKRIDGE/ASST. DIR. |
| Telephone: | 7144423449 |
| Mailing Address: | 1120 W LA VETA STE 820 |
| Year: | 1998 |
| Gepaid: | CAL000117657 |
| TSD EPA ID: | CAD981402522 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.0208 |

**HERITAGE PARK FOUNDATION (Continued)** **S113067175**

Year: 1997
Gepaid: CAL000117657
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0208

Year: 1996
Gepaid: CAL000117657
TSD EPA ID: CAD981402522
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.0125

Year: 1995
Gepaid: CAL000117657
TSD EPA ID: CAD982433575
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.0166

Additional Info:
Year: 1995
Gen EPA ID: CAL000117657

Shipment Date: 19950117
Creation Date: 3/29/1996 0:00:00
Receipt Date: 19950126
Manifest ID: 95221605
Trans EPA ID: CAL912352675
Trans 2 EPA ID: CAD981402522
TSDF EPA ID: CAD982433575
Waste Code Description: 171 - Metal sludge (see 121
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.0166
Waste Quantity: 4
Quantity Unit: G

Additional Info:
Year: 1998
Gen EPA ID: CAL000117657

Shipment Date: 19981220
Creation Date: 3/15/1999 0:00:00
Receipt Date: 19990105
Manifest ID: 98336319
Trans EPA ID: CAL912352675
Trans 2 EPA ID: CAD982433575
TSDF EPA ID: CAD981402522
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.0208
Waste Quantity: 5

**HERITAGE PARK FOUNDATION (Continued)** **S113067175**

Quantity Unit: G

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAL000117657 |
| Shipment Date: | 19970320 |
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19970401 |
| Manifest ID: | 96064331 |
| Trans EPA ID: | CAL912352675 |
| Trans 2 EPA ID: | CAD982433575 |
| TSDF EPA ID: | CAD981402522 |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.0208 |
| Waste Quantity: | 5 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1996 |
| Gen EPA ID: | CAL000117657 |
| Shipment Date: | 19961226 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961231 |
| Manifest ID: | 96064234 |
| Trans EPA ID: | CAL912352675 |
| Trans 2 EPA ID: | CAD982433575 |
| TSDF EPA ID: | CAD981402522 |
| Waste Code Description: | 171 - Metal sludge (see 121 |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.0125 |
| Waste Quantity: | 3 |
| Quantity Unit: | G |

HWTS:

| | |
|---|---|
| Name: | HERITAGE PARK FOUNDATION |
| Address: | 4952 WARNER AVE STE 110 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAL000117657 |
| Inactive Date: | 02/17/1999 |
| Create Date: | 05/26/1994 |
| Last Act Date: | 01/18/2000 |
| Mailing Name: | BRISTOL PARK DIVISION |
| Mailing Address: | 1120 W LA VETA STE 820 |
| Mailing City,State,Zip: | ORANGE, CA 928680000 |
| Owner Name: | HERITAGE HEALTH FOUNDATION |
| Owner Address: | 1120 W LA VETA STE 820 |
| Owner City,State,Zip: | ORANGE, CA 928680000 |
| Contact Name: | LESLIE LOCKRIDGE/ASST. DIR. |
| Contact Address: | PER LETTER/BUSINESS CLOSED/DROBB |
| City,State,Zip: | IRVINE, CA 926146244 |

**A7 Target Property** | **MARINA MEDICAL CENTER**
**4952 WARNER AVE #110**
**HUNTINGTON BEACH, CA 92649** | **HAZNET** | **S113044941**
**HWTS** | **N/A**

**Site 7 of 12 in cluster A**

**Actual: 40 ft.**

HAZNET:

| | |
|---|---|
| Name: | MARINA MEDICAL CENTER |
| Address: | 4952 WARNER AVE #110 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | INACTIVE REC'D CAL000117657 |
| Telephone: | 7144344572 |
| Mailing Address: | 4952 WARNER AVE #110 |
| Year: | 1994 |
| Gepaid: | CAL000059724 |
| TSD EPA ID: | CAD982524613 |
| CA Waste Code: | 541 - Photochemicals/photoprocessing waste |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.0125 |

Additional Info:

| | |
|---|---|
| Year: | 1994 |
| Gen EPA ID: | CAL000059724 |
| Shipment Date: | 19940426 |
| Creation Date: | 3/25/1996 0:00:00 |
| Receipt Date: | 19940427 |
| Manifest ID: | 92887495 |
| Trans EPA ID: | CAL920425641 |
| TSDF EPA ID: | CAD982524613 |
| Waste Code Description: | 541 - Photochemicals / photo processing waste |
| RCRA Code: | D011 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.0125 |
| Waste Quantity: | 3 |
| Quantity Unit: | G |

HWTS:

| | |
|---|---|
| Name: | MARINA MEDICAL CENTER |
| Address: | 4952 WARNER AVE #110 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAL000059724 |
| Inactive Date: | 01/01/1900 |
| Create Date: | 05/07/1992 |
| Last Act Date: | 06/03/1994 |
| Mailing Address: | 4952 WARNER AVE #110 |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Owner Name: | DUFOUR JEAN PIERRE M D |
| Owner Address: | -- |
| Owner City,State,Zip: | --, 99 -- |
| Contact Name: | INACTIVE REC'D CAL000117657 |
| Contact Address: | NAME CHANGE_PER MARIA GARCIA |
| City,State,Zip: | --, 99 -- |

**A8 Target Property** **MUZQUIZ ABEL** **EDR Hist Auto** **1021815304**
**4972 WARNER** **N/A**
**HUNTINGTN BCH, CA 92647**

**Site 8 of 12 in cluster A**

**Actual: 40 ft.**

EDR Hist Auto

| Year: | Name: | Type: |
|---|---|---|
| 1971 | MUZQUIZ ABEL | Gasoline Service Stations |

---

**A9 Target Property** **WHITE CLEANERS** **EDR Hist Cleaner** **1020120065**
**4972 WARNER AVE** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 9 of 12 in cluster A**

**Actual: 40 ft.**

EDR Hist Cleaner

| Year: | Name: | Type: |
|---|---|---|
| 1996 | WHITE CLEANERS | Drycleaning Plants, Except Rugs |
| 1997 | WHITE CLEANERS | Drycleaning Plants, Except Rugs |
| 1998 | WHITE CLEANERS | Drycleaning Plants, Except Rugs |

---

**A10 Target Property** **1X FIRST NATIONWIDE BANK** **LUST** **S112851488**
**4972 WARNER AVE** **HAZNET** **N/A**
**HUNTINGTON BEACH, CA 92649** **HWTS**

**Site 10 of 12 in cluster A**

**Actual: 40 ft.**

ORANGE CO. LUST:

| | |
|---|---|
| Name: | CHEVRON TEXACO 21-2242 |
| Address: | 4972 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | ORANGE |
| Facility Id: | 03UT018 |
| Released Substance: | Gasoline-Automotive (motor gasoline and additives), leaded & unleaded |
| Date Closed: | 06/01/2004 |
| Record ID: | RO0003175 |

HAZNET:

| | |
|---|---|
| Name: | 1X FIRST NATIONWIDE BANK |
| Address: | 4972 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | SUSAN SCHIEB |
| Telephone: | 4159728758 |
| Mailing Address: | 33 NEW MONTGOMERY ST |
| Year: | 1994 |
| Gepaid: | CAC000902560 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | - |
| Tons: | 3.6 |

Additional Info:

**1X FIRST NATIONWIDE BANK (Continued)** **S112851488**

| | |
|---|---|
| Year: | 1994 |
| Gen EPA ID: | CAC000902560 |
| Shipment Date: | 19940818 |
| Creation Date: | 10/16/1995 0:00:00 |
| Receipt Date: | 19940819 |
| Manifest ID: | 93057819 |
| Trans EPA ID: | CAD982519209 |
| TSDF EPA ID: | NVT330010000 |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | - Not reported |
| Quantity Tons: | 3.6 |
| Waste Quantity: | 7200 |
| Quantity Unit: | P |

HWTS:

| | |
|---|---|
| Name: | 1X FIRST NATIONWIDE BANK |
| Address: | 4972 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAC000902560 |
| Inactive Date: | 10/25/2000 |
| Create Date: | 06/22/1994 |
| Last Act Date: | 10/25/2000 |
| Mailing Address: | 33 NEW MONTGOMERY ST |
| Mailing City,State,Zip: | SAN FRANCISCO, CA 941050000 |
| Owner Name: | 8 |
| Owner Address: | -- |
| Owner City,State,Zip: | --, 99 -- |
| Contact Name: | SUSAN SCHIEB |
| Contact Address: | 33 NEW MONTGOMERY ST |
| City,State,Zip: | SAN FRANCISCO, CA 941050000 |

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**DOD** **SEAL BEACH NAVAL WEAPONS STATION** **DOD** **CUSA143790**
**Region** **N/A**
**North** **SEAL BEACH NAVAL WEAPONS (County), CA**
**1/2-1**
**4979 ft.**

DOD:

| | |
|---|---|
| Feature 1: | Navy DOD |
| Feature 2: | Not reported |
| Feature 3: | Not reported |
| URL: | Not reported |
| Name 1: | Seal Beach Naval Weapons Station |
| Name 2: | Not reported |
| Name 3: | Not reported |
| State: | CA |
| DOD Site: | Yes |
| Tile name: | CAORANGE |

**A11** **MOLA DEV CORP** **RCRA-SQG** **1000142400**
**SE CORNER WARNER & BOLSA** **CAT080029606**
**< 1/8** **HUNTINGTON BEACH, CA 92648**
**1 ft.**

**Site 11 of 12 in cluster A**

**Relative:** **Lower**
**Actual:** **39 ft.**

RCRA-SQG:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 1996-09-01 00:00:00.0 |
| Handler Name: | MOLA DEV CORP | |
| Handler Address: | | SE CORNER WARNER & BOLSA |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92648 |
| EPA ID: | | CAT080029606 |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Small Quantity Generator |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | CA |
| State District: | | 4 |
| Mailing Address: | | 808 ADAMS AVENUE |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92648 |
| Operator Name: | | NOT REQUIRED |
| Operator Type: | | Private |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | NN |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |
| Significant Non-Complier With a Compliance Schedule Universe: | | No |
| Handler Date of Last Change: | | 2002-06-27 04:01:14.0 |
| Recognized Trader-Importer: | | No |
| Recognized Trader-Exporter: | | No |
| Importer of Spent Lead Acid Batteries: | | No |
| Exporter of Spent Lead Acid Batteries: | | No |

**MOLA DEV CORP (Continued)** **1000142400**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | FRANK MOLA |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1996-09-01 00:00:00.0 |
| Handler Name: MOLA DEV CORP | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

| | |
|---|---|
| Receive Date: | 1981-02-09 00:00:00.0 |
| Handler Name: MOLA DEV CORP | |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 23332 |
| NAICS Description: | COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**A12 ESE < 1/8 0.007 mi. 36 ft.** | **STEVERSON BROTHRS-BOLSA DISPOSAL SITE**
**SE OF BOLSA CHICA & DUNBAR**
**HUNTINGTON BEACH, CA 92649**
**Site 12 of 12 in cluster A**

**SWF/LF** | **S126983781** **N/A**

**Relative: Higher**
**Actual: 41 ft.**

SWF/LF (SWIS):

| | |
|---|---|
| Name: | STEVERSON BROTHRS-BOLSA DISPOSAL SITE |
| Address: | SE OF BOLSA CHICA & DUNBAR |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | STATE |
| Facility ID: | 30-CR-0032 |
| SWIS Number: | 30-CR-0032 |
| Point of Contact: | Abel Martinez-Centeno |
| Is Archived: | Yes |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Operational Status: | Closed |
| Closed Illegal Abandoned Category: | C1 |
| ARB District: | South Coast |
| SWRCB Region: | Santa Ana |
| Local Government: | Huntington Beach |
| Reporting Agency Legal Name: | County of Orange |
| Reporting Agency Department: | Health Care Agency, Environmental Health Division |
| Enforcing Agency Legal Name: | County of Orange |
| Enforcing Agency Department: | Health Care Agency, Environmental Health Division |
| Regulation Status: | Pre-regulation |

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**B13 NE < 1/8 0.013 mi. 66 ft.** | **JET GAS STATION**
**5002 WARNER**
**HUNTINGTON BEACH, CA 92649**
**Site 1 of 17 in cluster B**

**LUST** | **S100938132**
**Cortese** | **N/A**
**ENF**
**HIST CORTESE**
**CIWQS**
**CERS**

**Relative: Lower**
**Actual: 37 ft.**

ORANGE CO. LUST:

| | |
|---|---|
| Name: | JET GAS STATION |
| Address: | 5002 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | ORANGE |
| Facility Id: | 86UT031 |
| Released Substance: | Gasoline-Automotive (motor gasoline and additives), leaded & unleaded |
| Date Closed: | 05/28/2004 |
| Record ID: | RO0001499 |

LUST:

| | |
|---|---|
| Name: | JET GAS STATION |
| Address: | 5002 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900490 |
| Global Id: | T0605900490 |
| Latitude: | 33.715045 |
| Longitude: | -118.041089 |
| Status: | Completed - Case Closed |
| Status Date: | 05/06/2004 |
| Case Worker: | GH |

**JET GAS STATION (Continued)** **S100938132**

RB Case Number: 083000610T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 86UT031
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline

LUST:
Global Id: T0605900490
Contact Type: Local Agency Caseworker
Contact Name: GENIECE HIGGINS
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: ghiggins@ochca.com
Phone Number: 7144336260

Global Id: T0605900490
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:
Global Id: T0605900490
Action Type: ENFORCEMENT
Date: 05/28/2004
Action: Closure/No Further Action Letter

Global Id: T0605900490
Action Type: REMEDIATION
Date: 05/06/1986
Action: Free Product Removal

Global Id: T0605900490
Action Type: REMEDIATION
Date: 02/22/1992
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900490
Action Type: REMEDIATION
Date: 08/13/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900490
Action Type: REMEDIATION
Date: 03/14/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900490
Action Type: REMEDIATION
Date: 10/01/2001
Action: In Situ Physical/Chemical Treatment (other than SVE)

**JET GAS STATION (Continued)** **S100938132**

Global Id: T0605900490
Action Type: Other
Date: 02/03/1986
Action: Leak Began

Global Id: T0605900490
Action Type: Other
Date: 02/03/1986
Action: Leak Discovery

Global Id: T0605900490
Action Type: Other
Date: 02/03/1986
Action: Leak Reported

LUST:
Global Id: T0605900490
Status: Open - Case Begin Date
Status Date: 02/03/1986

Global Id: T0605900490
Status: Open - Verification Monitoring
Status Date: 11/26/2002

Global Id: T0605900490
Status: Completed - Case Closed
Status Date: 05/06/2004

CORTESE:
Name: JET GAS STATION
Address: 5002 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: CORTESE
Global ID: T0605900490
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Flag: active
File Name: Active Open

ENF:
Name: GW CLEANUP-H.B.,WARNER AVE
Address: 5002 WARNER AVENUE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: 8
Facility Id: 228339
Place Type: Service/Commercial
Place Subtype: Gasoline Service Station
Facility Type: Industrial
Place Latitude: 33.715293
Place Longitude: -118.041426
SIC Code 1: 4959
SIC Desc 1: Sanitary Services, NEC
# Of Places: 1
Source Of Facility: Enf Action
Program Category2: TANKS

**JET GAS STATION (Continued)** **S100938132**

| | |
|---|---|
| Enforcement Id(EID): | 222208 |
| Region: | 8 |
| Order / Resolution Number: | 87-046 |
| Enforcement Action Type: | Clean-up and Abatement Order |
| Effective Date: | 03/13/1987 |
| Status: | Active |
| Title: | Enforcement - 8 302524001 |
| Description: | GW CLEANUP |
| Program: | UST |
| # Of Programs1: | 1 |
| Total Assessment Amount: | 0 |
| Initial Assessed Amount: | 0 |
| Liability $ Amount: | 0 |
| Project $ Amount: | 0 |
| Liability $ Paid: | 0 |
| Project $ Completed: | 0 |
| Total $ Paid/Completed Amount: | 0 |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | GW CLEANUP-H.B., WARNER AV |
| edr_fadd1: | 5002 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Facility County Code: | 30 |
| Reg By: | WBC&D |
| Reg Id: | 8 302524001 |

CIWQS:

| | |
|---|---|
| Name: | GW CLEANUP-H.B.,WARNER AVE |
| Address: | 5002 WARNER AVENUE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Agency: | Kayo Oil Company |
| Agency Address: | Po Box 4784, Houston, TX 77210 |
| Place/Project Type: | Gasoline Service Station |
| SIC/NAICS: | 4959 |
| Region: | 8 |
| Program: | NPDESWW |
| Regulatory Measure Status: | Historical |
| Regulatory Measure Type: | WDR |
| Order Number: | 87-104 |
| WDID: | 8 302524001 |
| Adoption Date: | 09/11/1987 |
| Effective Date: | 09/11/1987 |
| Termination Date: | 01/01/1900 |
| Expiration/Review Date: | 08/01/1992 |
| Design Flow: | 0.0072 |
| Complexity: | B |
| TTWQ: | 2 |
| Enforcement Actions within 5 years: | 0 |
| Violations within 5 years: | 0 |
| Latitude: | 33.715293 |
| Longitude: | -118.041426 |

CERS:

| | |
|---|---|
| Name: | JET GAS STATION |
| Address: | 5002 WARNER |

**JET GAS STATION (Continued)** **S100938132**

City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 255127
CERS ID: T0605900490
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: GENIECE HIGGINS - ORANGE COUNTY LOP
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Phone: 7144336260

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Phone: 9517823238

---

**B14** **NANEK PETROL** **UST** **U003779891**
**NE** **5002 WARNER AVE** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.013 mi.**
**66 ft.** **Site 2 of 17 in cluster B**

**Relative:**
**Lower**
**Actual:**
**37 ft.**

UST:
Name: NANEK PETROL
Address: 5002 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: 2173
Permitting Agency: ORANGE COUNTY
Latitude: 33.716399
Longitude: -118.039744

---

**B15** **JET** **HIST UST** **U001577351**
**NE** **5002 WARNER** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.013 mi.**
**66 ft.** **Site 3 of 17 in cluster B**

**Relative:**
**Lower**
**Actual:**
**37 ft.**

HIST UST:
Name: JET
Address: 5002 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
File Number: 0002EA6D
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EA6D.pdf
Region: STATE
Facility ID: 00000013888
Facility Type: Gas Station
Telephone: 7148469364
Owner Name: KAYO OIL COMPANY
Owner Address: 1221 E. MAIN STREET
Owner City,St,Zip: CHATTANOOGA, TN 37408
Total Tanks: 0003

**JET (Continued)** **U001577351**

| | |
|---|---|
| Tank Num: | 001 |
| Container Num: | 1 |
| Year Installed: | 1977 |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | REGULAR |
| Leak Detection: | Visual, Stock Inventor, Pressure Test |

| | |
|---|---|
| Tank Num: | 002 |
| Container Num: | 2 |
| Year Installed: | 1977 |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | UNLEADED |
| Leak Detection: | Visual, Stock Inventor, Pressure Test |

| | |
|---|---|
| Tank Num: | 003 |
| Container Num: | 3 |
| Year Installed: | 1977 |
| Tank Capacity: | 00010000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | PREMIUM |
| Leak Detection: | Visual, Stock Inventor, Pressure Test |

Click here for Geo Tracker PDF:

---

**B16** **POWER GAS INC** **EDR Hist Auto** **1020909308**
**NE** **5002 WARNER AVE** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.013 mi.**
**66 ft.** **Site 4 of 17 in cluster B**

**Relative:** EDR Hist Auto
**Lower**

**Actual:**
**37 ft.**

| Year: | Name: | Type: |
|---|---|---|
| 1989 | POWER GAS INC | Gasoline Service Stations |

---

**B17** **GW CLEANUP-H.B.,WARNER AVE** **LUST** **S105774257**
**NE** **5002 WARNER AVENUE** **CERS TANKS** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649** **Cortese**
**0.013 mi.** **CERS**
**66 ft.** **Site 5 of 17 in cluster B** **HWTS**

**Relative:** LUST REG 8:
**Lower**

**Actual:**
**37 ft.**

| | |
|---|---|
| Name: | JET GAS STATION |
| Address: | 5002 WARNER AVE |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Case Closed |
| Case Number: | 083000610T |
| Local Case Num: | 86UT031 |
| Case Type: | Other ground water affected |
| Substance: | Gasoline |
| Qty Leaked: | 0 |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

| | |
|---|---|
| Enf Type: | CLOS |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605900490 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 2/3/1986 |
| Close Date: | 5/6/2004 |
| Date Post Remedial Action Monitoring: | 11/26/2002 |
| GW Qualifies: | = |
| Oversite Program: | LUST |
| Latitude: | 33.7154388 |
| Longitude: | -118.041254 |
| MTBE Date: | 1/14/2003 |
| Max MTBE GW: | 8.4 |
| MTBE Concentration: | 0 |
| MTBE Fuel: | 1 |
| MTBE Tested: | MTBE Detected. Site tested for MTBE & MTBE detected |
| MTBE Class: | * |
| Staff: | TME |
| Staff Initials: | AR |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

CERS TANKS:

| | |
|---|---|
| Name: | HARBOUR TIRE |
| Address: | 5002 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 409738 |
| CERS ID: | 10573717 |
| CERS Description: | Aboveground Petroleum Storage |

CORTESE:

| | |
|---|---|
| Name: | GW CLEANUP-H.B.,WARNER AVE |
| Address: | 5002 WARNER AVENUE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Flag: | CORTESE |
| File Name: | Cease Desist Orders & Cleanup Abatement Orders |

CERS:

| | |
|---|---|
| Name: | HARBOUR TIRE |
| Address: | 5002 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 409738 |
| CERS ID: | 10573717 |
| CERS Description: | Chemical Storage Facilities |

Violations:

| | |
|---|---|
| Site ID: | 409738 |
| Site Name: | HARBOUR TIRE |
| Violation Date: | 11-25-2014 |
| Citation: | HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

| | |
|---|---|
| | Section(s) 25507 |
| Violation Description: | Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities. |
| Violation Notes: | Returned to compliance on 06/25/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| Site ID: | 409738 |
| Site Name: | HARBOUR TIRE |
| Violation Date: | 05-09-2014 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 06/25/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| Site ID: | 409738 |
| Site Name: | HARBOUR TIRE |
| Violation Date: | 03-02-2016 |
| Citation: | HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2 |
| Violation Description: | Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. |
| Violation Notes: | Returned to compliance on 03/22/2016. 3/22/16-Online submittal recv'd. 3/2/16-Annual review/certification |
| Violation Division: | Huntington Beach Fire Department |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

Evaluation:

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-08-2013 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct an annual routine Hazardous Waste Inspection. Met with Kevin who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: 3-tanks of used oil and 1-55 gallon drum of used oil filters. Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

| | |
|---|---|
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-09-2013 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Updated process |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-25-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Mailed NOV letter (first class mail) to occupant for failure to establish and implement a HMBP. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-20-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Facility is using the correct EPA ID number |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-19-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up inspection report. During a routine inspection conducted on 9/27/16 the following violation was sited and is outstanding: -- I479 - to abate this violation send the last manifest/receipt to this agency indicating the correct EPA ID number: CAL000378657 immediately. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 02-10-2017 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 02-25-2020 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

| | |
|---|---|
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 03-02-2016 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 03-04-2015 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct an annual routine Hazardous Waste Inspection. Met with BOB who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: used oil, used oil filters and antifreeze Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). . 2. Hazardous Waste Emergency Response information. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-04-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | HMBP not certified by March 1 - Mailed Late Notice Letter. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-14-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | declined facility info in CERS The submittal was declined, please make the following changes and resubmit within 30 days; 1. Also check yes to generating hazardous waste and add your EPA ID number on the business activity page. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 05-09-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Division: | Orange County Environmental Health |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

| | |
|---|---|
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 07-05-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | RTC Qualifier and Occurred on Date added to filters and filled out on this date - Violation List |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-15-2019 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Met with Bob Lauter of Harbour Tire. The following were observed: Hazardous waste was stored properly labeled and closed. Documentation was available for review. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 08-23-2013 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Corrected violation in EC. Violation was previously abated by Susan Burg on 10/17/12 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-08-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Certified Letter/Final Notice mailed on 9/8/14 ref Hazmat Disclosure thru ESubmit. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

Enforcement Action:

| | |
|---|---|
| Site ID: | 409738 |
| Site Name: | HARBOUR TIRE |
| Site Address: | 5002 WARNER AVE |
| Site City: | HUNTINGTON BEACH |
| Site Zip: | 92649 |
| Enf Action Date: | 03-02-2016 |
| Enf Action Type: | Notice of Violation (Unified Program) |
| Enf Action Description: | Notice of Violation Issued by the Inspector at the Time of Inspection |
| Enf Action Notes: | NOV Letter, failure to submit annual inventory submittal/certification. |
| Enf Action Division: | Huntington Beach Fire Department |
| Enf Action Program: | UNSPEC |

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

Enf Action Source: CERS

Coordinates:
Site ID: 409738
Facility Name: HARBOUR TIRE
Env Int Type Code: HMBP
Program ID: 10573717
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.714930
Longitude: -118.041110

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Document Preparer
Entity Name: Trish Lindsey

Affiliation Type Desc: Operator
Entity Name: Harbour Tire
Affiliation Phone: (714) 840-1864

Affiliation Type Desc: Parent Corporation
Entity Name: Harbour Tire

Affiliation Type Desc: Environmental Contact
Entity Name: Rich Lindsey
Affiliation Address: 5002 Warner Ave
Affiliation City: Huntington Beach
Affiliation State: CA
Affiliation Zip: 92649

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: 5002 WARNER AVE
Affiliation City: HUNTINGTON BEACH
Affiliation State: CA
Affiliation Zip: 92649

Affiliation Type Desc: Identification Signer
Entity Name: Trish Lindsey
Entity Title: Owner

Affiliation Type Desc: Legal Owner
Entity Name: AUTORITE INC
Affiliation Address: 5002 WARNER AVE
Affiliation City: HUNTINGTON BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92649
Affiliation Phone: (714) 840-1864

**GW CLEANUP-H.B.,WARNER AVE (Continued)** **S105774257**

HWTS:

| | |
|---|---|
| Name: | HARBOUR TIRE |
| Address: | 5002 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000378657 |
| Inactive Date: | 06/30/2015 |
| Create Date: | 10/01/2012 |
| Last Act Date: | 01/27/2016 |
| Mailing Address: | 5002 WARNER AVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Owner Name: | RICHARD LINDSEY |
| Owner Address: | 5002 WARNER AVE |
| Owner City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact Name: | RICHARD LINDSEY |
| Contact Address: | 5002 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000378657 |
| Create Date: | 2012-10-01 11:21:43.523 |
| NAICS Code: | 811111 |
| NAICS Description: | General Automotive Repair |
| Issued EPA ID Date: | 2012-10-01 11:21:43.38300 |
| Inactive Date: | 2015-06-30 00:00:00 |
| Facility Name: | HARBOUR TIRE |
| Facility Address: | 5002 WARNER AVE |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 92649 |

---

**C18** **VERIZON CA INC WARNER CO** **UST** **U004316583**
**SSE** **17111 BOLSA CHICA** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.015 mi.**
**80 ft.** **Site 1 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

ORANGE CO. UST:

| | |
|---|---|
| Name: | VERIZON CA INC WARNER CO |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH 92649 |
| Facility ID: | FA24659 |

---

**C19** **FRONTIER CALIFORNIA INC.** **RCRA NonGen / NLR** **1024750728**
**SSE** **17111 BOLSA CHICA ROAD** **CAC002970518**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.015 mi.**
**80 ft.** **Site 2 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2018-07-12 00:00:00.0 |
| Handler Name: | FRONTIER CALIFORNIA INC. |
| Handler Address: | 17111 BOLSA CHICA ROAD |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC002970518 |
| Contact Name: | MASOOD CHOUDHURY |

**FRONTIER CALIFORNIA INC. (Continued)** **1024750728**

| | |
|---|---|
| Contact Address: | PO BOX 725 |
| Contact City,State,Zip: | CHINO, CA 91708 |
| Contact Telephone: | 909-620-5962 |
| Contact Email: | MASOOD.CHOUDHURY@FTR.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | PO BOX 725 |
| Mailing City,State,Zip: | CHINO, CA 91708 |
| Owner Name: | FRONTIER CALIFORNIA INC. |
| Owner Type: | Other |
| Operator Name: | MASOOD CHOUDHURY |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2018-09-05 15:39:08.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

**FRONTIER CALIFORNIA INC. (Continued)** **1024750728**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MASOOD CHOUDHURY |
| Legal Status: | Other |
| Owner/Operator Address: | PO BOX 725 |
| Owner/Operator City,State,Zip: | CHINO, CA 91708 |
| Owner/Operator Telephone: | 909-620-5962 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | FRONTIER CALIFORNIA INC. |
| Legal Status: | Other |
| Owner/Operator Address: | PO BOX 725 |
| Owner/Operator City,State,Zip: | CHINO, CA 91708 |
| Owner/Operator Telephone: | 909-620-5962 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-07-12 00:00:00.0 |
| Handler Name: | FRONTIER CALIFORNIA INC. |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

---

**C20** **FRONTIER CALIFORNIA INC.** **CA FID UST** **S101631353**
**SSE** **17111 BOLSA CHICA ST** **HAZNET** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649** **HWTS**
**0.015 mi.**
**80 ft.** **Site 3 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

CA FID UST:

| | |
|---|---|
| Facility ID: | 30006261 |
| Regulated By: | UTNKA |
| Facility Phone: | 7148467754 |
| Mailing Address: | RC 1608 BC301 P O BO |
| Mailing City,St,Zip: | HUNTINGTON BEACH 92649 |
| Status: | Active |

HAZNET:

| | |
|---|---|
| Name: | FRONTIER CALIFORNIA INC. |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494460 |

**FRONTIER CALIFORNIA INC. (Continued)** **S101631353**

| | |
|---|---|
| Contact: | MASOOD CHOUDHURY |
| Telephone: | 9096205962 |
| Mailing Address: | PO BOX 725 |
| Year: | 2016 |
| Gepaid: | CAC002866781 |
| TSD EPA ID: | CAD028409019 |
| CA Waste Code: | 223 - Unspecified oil-containing waste |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.417 |

HWTS:

| | |
|---|---|
| Name: | FRONTIER CALIFORNIA INC. |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494460 |
| EPA ID: | CAC002866781 |
| Inactive Date: | 09/27/2016 |
| Create Date: | 06/27/2016 |
| Last Act Date: | 09/27/2016 |
| Mailing Address: | PO BOX 725 |
| Mailing City,State,Zip: | CHINO, CA 91708 |
| Owner Name: | FRONTIER CALIFORNIA INC |
| Owner Address: | PO BOX 725 |
| Owner City,State,Zip: | CHINO, CA 91708 |
| Contact Name: | MASOOD CHOUDHURY |
| Contact Address: | PO BOX 725 |
| City,State,Zip: | CHINO, CA 91708 |

---

**C21** **GTC CENTRAL OFFICE** **RCRA-SQG** **1000106383**
**SSE** **17111 BOLSA CHICA ST** **FINDS** **CAD981430531**
**< 1/8** **HUNTINGTON BEACH, CA 92647** **ECHO**
**0.015 mi.**
**80 ft.** **Site 4 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 1996-09-01 00:00:00.0 |
| Handler Name: | GTC CENTRAL OFFICE |
| Handler Address: | 17111 BOLSA CHICA ST |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| EPA ID: | CAD981430531 |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Small Quantity Generator |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 4 |
| Mailing Address: | P O BOX 725 |
| Mailing City,State,Zip: | CHINO, CA 91708 |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |

**GTC CENTRAL OFFICE (Continued)** **1000106383**

| | |
|---|---|
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2002-06-27 03:25:04.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GENERAL TELE OF CALIF |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1996-09-01 00:00:00.0 |
| Handler Name: GTC CENTRAL OFFICE | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |

**GTC CENTRAL OFFICE (Continued)** **1000106383**

| | |
|---|---|
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

| | |
|---|---|
| Receive Date: | 1986-04-30 00:00:00.0 |
| Handler Name: GTC CENTRAL OFFICE | |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002702816

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000106383 |
| Registry ID: | 110002702816 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002702816 |
| Name: | GTC CENTRAL OFFICE |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |

**C22 SSE < 1/8 0.015 mi. 80 ft.** | **FRONTIER CALIFORNIA INC.**
**17111 BOLSA CHICA ROAD**
**HUNTINGTON BEACH, CA 92649**
**Site 5 of 10 in cluster C** | **RCRA NonGen / NLR** | **1025835098**
**CAC003014682**

**Relative: Higher**
**Actual: 43 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2019-05-13 00:00:00.0 |
| Handler Name: | FRONTIER CALIFORNIA INC. |
| Handler Address: | 17111 BOLSA CHICA ROAD |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC003014682 |
| Contact Name: | MASOOD CHOUDHURY |
| Contact Address: | 280 S. LOCUST STREET |
| Contact City,State,Zip: | POMONA, CA 91766 |
| Contact Telephone: | 909-620-5962 |
| Contact Email: | MASOOD.CHOUDHURY@FTR.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 280 S. LOCUST STREET |
| Mailing City,State,Zip: | POMONA, CA 91766 |
| Owner Name: | FRONTIER CALIFORNIA INC. |
| Owner Type: | Other |
| Operator Name: | MASOOD CHOUDHURY |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |

**FRONTIER CALIFORNIA INC. (Continued)** **1025835098**

| | |
|---|---|
| Handler Date of Last Change: | 2019-06-27 11:35:03.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MASOOD CHOUDHURY |
| Legal Status: | Other |
| Owner/Operator Address: | 280 S. LOCUST STREET |
| Owner/Operator City,State,Zip: | POMONA, CA 91766 |
| Owner/Operator Telephone: | 909-620-5962 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | FRONTIER CALIFORNIA INC. |
| Legal Status: | Other |
| Owner/Operator Address: | 280 S. LOCUST STREET |
| Owner/Operator City,State,Zip: | POMONA, CA 91766 |
| Owner/Operator Telephone: | 909-620-5962 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-05-13 00:00:00.0 |
| Handler Name: | FRONTIER CALIFORNIA INC. |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**C23 SSE < 1/8 0.015 mi. 80 ft.** | **GTE (WARNER)**
**17111 BOLSA CHICA**
**HUNTINGTON BEACH, CA 92647**
**Site 6 of 10 in cluster C** | **LUST** | **S102430697**
**HIST CORTESE** | **N/A**
**CERS**

**Relative: Higher**
**Actual: 43 ft.**

ORANGE CO. LUST:

| | |
|---|---|
| Name: | GENERAL TELEPHONE CO |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | ORANGE |
| Facility Id: | 85UT074 |
| Released Substance: | Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4 |
| Date Closed: | 10/15/1990 |
| Record ID: | RO0002559 |

LUST:

| | |
|---|---|
| Name: | GENERAL TELEPHONE CO |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900417 |
| Global Id: | T0605900417 |
| Latitude: | 33.7136525 |
| Longitude: | -118.041484 |
| Status: | Completed - Case Closed |
| Status Date: | 10/15/1990 |
| Case Worker: | GH |
| RB Case Number: | 083000523T |
| Local Agency: | ORANGE COUNTY LOP |
| File Location: | Local Agency |
| Local Case Number: | 85UT074 |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Diesel |

LUST:

| | |
|---|---|
| Global Id: | T0605900417 |
| Contact Type: | Local Agency Caseworker |
| Contact Name: | GENIECE HIGGINS |
| Organization Name: | ORANGE COUNTY LOP |
| Address: | 1241 EAST DYER ROAD SUITE 120 |
| City: | SANTA ANA |
| Email: | ghiggins@ochca.com |
| Phone Number: | 7144336260 |

| | |
|---|---|
| Global Id: | T0605900417 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | PATRICIA HANNON |
| Organization Name: | SANTA ANA RWQCB (REGION 8) |
| Address: | 3737 MAIN STREET, SUITE 500 |
| City: | RIVERSIDE |
| Email: | patricia.hannon@waterboards.ca.gov |

LUST:

| | |
|---|---|
| Global Id: | T0605900417 |
| Action Type: | ENFORCEMENT |
| Date: | 10/04/1990 |
| Action: | File Review - Closure |

**GTE (WARNER) (Continued)** **S102430697**

Global Id: T0605900417
Action Type: Other
Date: 08/01/1985
Action: Leak Discovery

Global Id: T0605900417
Action Type: Other
Date: 08/01/1985
Action: Leak Reported

LUST:
Global Id: T0605900417
Status: Open - Case Begin Date
Status Date: 08/01/1985

Global Id: T0605900417
Status: Completed - Case Closed
Status Date: 10/15/1990

HIST CORTESE:
edr_fname: GTE (WARNER)
edr_fadd1: 17111 BOLSA CHICA
City,State,Zip: HUNTINGTON BEACH, CA 92647
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000523T

CERS:
Name: GENERAL TELEPHONE CO
Address: 17111 BOLSA CHICA
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 217999
CERS ID: T0605900417
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: GENIECE HIGGINS - ORANGE COUNTY LOP
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Phone: 7144336260

Affiliation Type Desc: Regional Board Caseworker
Entity Name: PATRICIA HANNON - SANTA ANA RWQCB (REGION 8)
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA

**C24 SSE < 1/8 0.015 mi. 80 ft.** | **GENERAL TELEPHONE CO**
**17111 BOLSA CHICA**
**HUNTINGTON BEACH, CA 92649** | **LUST Cortese EMI** | **S105696081 N/A**

**Site 7 of 10 in cluster C**

**Relative: Higher**

**Actual: 43 ft.**

LUST REG 8:

| | |
|---|---|
| Name: | GENERAL TELEPHONE CO |
| Address: | 17111 BOLSA CHICA |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Case Closed |
| Case Number: | 083000523T |
| Local Case Num: | 85UT074 |
| Case Type: | Other ground water affected |
| Substance: | Diesel |
| Qty Leaked: | 0 |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605900417 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 8/1/1985 |
| Close Date: | 10/15/1990 |
| Oversite Program: | LUST |
| Latitude: | 33.7138949 |
| Longitude: | -118.041477 |
| MTBE Concentration: | 0 |
| MTBE Fuel: | 0 |
| MTBE Tested: | Not Required to be Tested. |
| MTBE Class: | * |
| Staff: | PAH |
| Staff Initials: | KC |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

CORTESE:

| | |
|---|---|
| Name: | GENERAL TELEPHONE CO |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Global ID: | T0605900417 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Flag: | active |
| File Name: | Active Open |

EMI:

| | |
|---|---|
| Name: | GEN TEL OF CAL, WARNER CENTRAL |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Year: | 1987 |
| County Code: | 30 |

**GENERAL TELEPHONE CO (Continued)** **S105696081**

| | |
|---|---|
| Air Basin: | SC |
| Facility ID: | 52182 |
| Air District Name: | SC |
| SIC Code: | 9999 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 0 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | GTE CALIFORNIA |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Year: | 1990 |
| County Code: | 30 |
| Air Basin: | SC |
| Facility ID: | 52182 |
| Air District Name: | SC |
| SIC Code: | 4813 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 0 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | GTE CALIFORNIA |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Year: | 1993 |
| County Code: | 30 |
| Air Basin: | SC |
| Facility ID: | 52182 |
| Air District Name: | SC |
| SIC Code: | 4813 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 0 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | GTE CALIFORNIA |
| Address: | 17111 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Year: | 1995 |
| County Code: | 30 |
| Air Basin: | SC |
| Facility ID: | 52182 |
| Air District Name: | SC |

**GENERAL TELEPHONE CO (Continued)** **S105696081**

| | |
|---|---|
| SIC Code: | 4813 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 0 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

---

**C25**
**SSE**
**< 1/8**
**0.015 mi.**
**80 ft.**

**FRONTIER CALIFORNIA, INC.; WARNER CO** **UST** **U003913352**
**17111 BOLSA CHICA ST** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 8 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

ORANGE CO. UST:

| | |
|---|---|
| Name: | FRONTIER CALIFORNIA INC WARNER CO |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | FA0024659 |

UST:

| | |
|---|---|
| Name: | G T E WARNER C O |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 4223 |
| Permitting Agency: | ORANGE COUNTY |
| Latitude: | 33.7150721 |
| Longitude: | -118.0404946 |

| | |
|---|---|
| Name: | FRONTIER CALIFORNIA, INC.; WARNER CO |
| Address: | 17111 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | FA0024659 |
| Permitting Agency: | Orange County Environmental Health |
| Latitude: | 33.71358 |
| Longitude: | -118.04149 |

---

**B26**
**NNE**
**< 1/8**
**0.019 mi.**
**100 ft.**

**NASSIM JEBAII** **HIST UST** **U001577279**
**4995 WARNER** **N/A**
**HUNTINGTON BEACH, CA 92647**

**Site 6 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

HIST UST:

| | |
|---|---|
| Name: | NASSIM JEBAII |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| File Number: | 00027E4A |
| URL: | http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E4A.pdf |
| Region: | STATE |
| Facility ID: | 00000039837 |
| Facility Type: | Gas Station |
| Contact Name: | SAME |
| Telephone: | 7148406903 |

**NASSIM JEBAII (Continued)** **U001577279**

| | |
|---|---|
| Owner Name: | MOBIL OIL CORP. |
| Owner Address: | 612 S. FLOWER ST. |
| Owner City,St,Zip: | LOS ANGELES, CA 90017 |
| Total Tanks: | 0003 |
| | |
| Tank Num: | 001 |
| Container Num: | 3 |
| Year Installed: | 1984 |
| Tank Capacity: | 00005000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | PREMIUM |
| Leak Detection: | Stock Inventor |
| | |
| Tank Num: | 002 |
| Container Num: | 2 |
| Year Installed: | 1984 |
| Tank Capacity: | 00008000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | REGULAR |
| Leak Detection: | Stock Inventor |
| | |
| Tank Num: | 003 |
| Container Num: | 1 |
| Year Installed: | 1984 |
| Tank Capacity: | 00000280 |
| Tank Used for: | WASTE |
| Type of Fuel: | WASTE OIL |
| Leak Detection: | Stock Inventor |

Click here for Geo Tracker PDF:

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**B27** **MOBIL OIL** **SWEEPS UST** **U001559389**
**NNE** **4995 WARNER AVE** **CA FID UST** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649** **HIST CORTESE**
**0.019 mi.**
**100 ft.** **Site 7 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

SWEEPS UST:

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | 4995 WARNER AVE |
| City: | HUNTINGTON BEACH |
| Status: | Active |
| Comp Number: | 3998 |
| Number: | 9 |
| Referral Date: | 09-30-92 |
| Action Date: | 09-15-92 |
| Created Date: | 02-29-88 |

CA FID UST:

| | |
|---|---|
| Facility ID: | 30000508 |
| Regulated By: | UTNKA |
| Facility Phone: | 7142610674 |
| Mailing Address: | 3225 GALLOWS RD ATTN: EAR |
| Mailing City,St,Zip: | HUNTINGTON BEACH 92649 |
| Status: | Active |

**MOBIL OIL (Continued)** **U001559389**

HIST CORTESE:

| | |
|---|---|
| edr_fname: | MOBIL #1-D7E |
| edr_fadd1: | 4995 |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Region: | CORTESE |
| Facility County Code: | 30 |
| Reg By: | LTNKA |
| Reg Id: | 083000262T |

---

**B28** **NASSIMS ARCO SERVICE CENTER** **EDR Hist Auto** **1020216603**
**NNE** **4995 WARNER AVE** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.019 mi.**
**100 ft.** **Site 8 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

EDR Hist Auto

| Year: | Name: | Type: |
|---|---|---|
| 1971 | CATRABONE JOSEPH RICHARD | Gasoline Service Stations |
| 1972 | CATRABONE JOSEPH RICHARD | Gasoline Service Stations |
| 1973 | CATRABONE JOSEPH RICHARD | Gasoline Service Stations |
| 1974 | CATRABONE JOSEPH RICHARD | Gasoline Service Stations |
| 1986 | IMPORT AUTO REPAIR | Gasoline Service Stations |
| 1987 | IMPORT AUTO REPAIR | Gasoline Service Stations |
| 1988 | IMPORT AUTO REPAIR | Gasoline Service Stations |
| 1989 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1990 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1991 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1992 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1993 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1994 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 1994 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1995 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 1995 | IMPORT AUTO REPAIR | General Automotive Repair Shops |
| 1996 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 1997 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2001 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2002 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2003 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2004 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2005 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2006 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2007 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |
| 2008 | NASSIMS ARCO SERVICE CENTER | Gasoline Service Stations |

---

**B29** **IMPORT AUTO RPR** **RCRA-SQG** **1000595026**
**NNE** **4995 WARNER** **LUST** **CAD983589169**
**< 1/8** **HUNTINGTON BEACH, CA 92649** **FINDS**
**0.019 mi.** **ECHO**
**100 ft.** **Site 9 of 17 in cluster B** **Cortese**
**HAZNET**
**Relative:** **CERS**
**Lower** **HWTS**

**Actual:**
**37 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 1991-07-11 00:00:00.0 |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | | |
|---|---|---|
| Handler Name: | IMPORT AUTO RPR | |
| Handler Address: | | 4995 WARNER |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAD983589169 |
| Contact Name: | | ELJEBAII NASSIM |
| Contact Address: | | 4995 WARNER |
| Contact City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | | 714-840-6903 |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Small Quantity Generator |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | CA |
| State District: | | 4 |
| Mailing Address: | | WARNER |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | | BUD LORBEER |
| Owner Type: | | Private |
| Operator Name: | | NOT REQUIRED |
| Operator Type: | | Private |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | NN |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |
| Significant Non-Complier With a Compliance Schedule Universe: | | No |
| Handler Date of Last Change: | | 2000-09-15 17:30:33.0 |
| Recognized Trader-Importer: | | No |
| Recognized Trader-Exporter: | | No |
| Importer of Spent Lead Acid Batteries: | | No |
| Exporter of Spent Lead Acid Batteries: | | No |

**IMPORT AUTO RPR (Continued)** **1000595026**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | BUD LORBEER |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1991-07-11 00:00:00.0 |
| Handler Name: IMPORT AUTO RPR | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

ORANGE CO. LUST:

| | |
|---|---|
| Name: | MOBIL #18-D7E |
| Address: | 4995 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Region: | ORANGE |
| Facility Id: | 88UT140 |
| Released Substance: | Gasoline-Automotive (motor gasoline and additives), leaded & unleaded |
| Date Closed: | 02/22/2007 |
| Record ID: | RO0002255 |

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | 4995 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Region: | ORANGE |
| Facility Id: | 85UT034 |

**IMPORT AUTO RPR (Continued)** **1000595026**

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/30/1986
Record ID: RO0001558

LUST REG 8:

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | 4995 WARNER |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Case Closed |
| Local Case Num: | 85UT034 |
| Case Type: | Undefined |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605935056 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 1/1/1965 |
| Close Date: | 5/30/1986 |
| Oversite Program: | LUST |
| MTBE Concentration: | 0 |
| MTBE Fuel: | 1 |
| MTBE Tested: | Site NOT Tested for MTBE.Includes Unknown and Not Analyzed. |
| MTBE Class: | * |
| Staff: | RS |
| Staff Initials: | AR |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

LUST:

| | |
|---|---|
| Name: | MOBIL #18-D7E |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900203 |
| Global Id: | T0605900203 |
| Latitude: | 33.7156308 |
| Longitude: | -118.041427 |
| Status: | Completed - Case Closed |
| Status Date: | 02/22/2007 |
| Case Worker: | GH |
| RB Case Number: | 083000262T |
| Local Agency: | ORANGE COUNTY LOP |
| File Location: | Local Agency Warehouse |
| Local Case Number: | 88UT140 |
| Potential Media Affect: | Other Groundwater (uses other than drinking water) |
| Potential Contaminants of Concern: | Gasoline |

**IMPORT AUTO RPR (Continued)** **1000595026**

LUST:

| | |
|---|---|
| Global Id: | T0605900203 |
| Contact Type: | Local Agency Caseworker |
| Contact Name: | GENIECE HIGGINS |
| Organization Name: | ORANGE COUNTY LOP |
| Address: | 1241 EAST DYER ROAD SUITE 120 |
| City: | SANTA ANA |
| Email: | ghiggins@ochca.com |
| Phone Number: | 7144336260 |

| | |
|---|---|
| Global Id: | T0605900203 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | ROSE SCOTT |
| Organization Name: | SANTA ANA RWQCB (REGION 8) |
| Address: | 3737 MAIN STREET, SUITE 500 |
| City: | RIVERSIDE |
| Email: | rose.scott@waterboards.ca.gov |
| Phone Number: | 9513206375 |

LUST:

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 11/22/2000 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 04/12/2001 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 06/26/2001 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 07/29/2001 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 07/10/2002 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 06/23/2003 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |
| Action Type: | ENFORCEMENT |
| Date: | 05/18/2004 |
| Action: | Staff Letter |

| | |
|---|---|
| Global Id: | T0605900203 |

**IMPORT AUTO RPR (Continued)** **1000595026**

Action Type: ENFORCEMENT
Date: 09/15/2005
Action: Staff Letter

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 09/21/2005
Action: Staff Letter

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 01/30/2006
Action: Staff Letter

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 02/22/2007
Action: Closure/No Further Action Letter

Global Id: T0605900203
Action Type: RESPONSE
Date: 09/24/2003
Action: Other Report / Document

Global Id: T0605900203
Action Type: REMEDIATION
Date: 08/01/2001
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 04/14/1994
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 06/21/1996
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 03/24/2003
Action: Staff Letter

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 07/06/2005
Action: Staff Letter

Global Id: T0605900203
Action Type: ENFORCEMENT
Date: 09/26/2005
Action: Staff Letter

Global Id: T0605900203
Action Type: Other
Date: 04/01/1986

**IMPORT AUTO RPR (Continued)** **1000595026**

Action: Leak Began

Global Id: T0605900203
Action Type: REMEDIATION
Date: 05/17/1989
Action: Free Product Removal

Global Id: T0605900203
Action Type: REMEDIATION
Date: 04/09/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 03/24/2003
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 11/20/2000
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 05/01/1995
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900203
Action Type: REMEDIATION
Date: 09/01/1996
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605900203
Action Type: REMEDIATION
Date: 09/30/1991
Action: Excavation

Global Id: T0605900203
Action Type: Other
Date: 04/01/1986
Action: Leak Discovery

Global Id: T0605900203
Action Type: Other
Date: 04/01/1986
Action: Leak Reported

LUST:
Global Id: T0605900203
Status: Open - Case Begin Date
Status Date: 04/01/1986

Global Id: T0605900203
Status: Open - Remediation
Status Date: 03/24/2003

Global Id: T0605900203

**IMPORT AUTO RPR (Continued)** **1000595026**

Status: Open - Verification Monitoring
Status Date: 04/12/2005

Global Id: T0605900203
Status: Completed - Case Closed
Status Date: 02/22/2007

Name: MOBIL OIL
Address: 4995 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92647
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605935056
Global Id: T0605935056
Latitude: 33.715751
Longitude: -118.041859
Status: Completed - Case Closed
Status Date: 05/30/1986
Case Worker: GH
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 85UT034
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline

LUST:
Global Id: T0605935056
Contact Type: Local Agency Caseworker
Contact Name: GENIECE HIGGINS
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: ghiggins@ochca.com
Phone Number: 7144336260

Global Id: T0605935056
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

LUST:
Global Id: T0605935056
Status: Completed - Case Closed
Status Date: 05/30/1986

Global Id: T0605935056
Status: Open - Case Begin Date
Status Date: 05/30/1986

FINDS:
Registry ID: 110002849222

**IMPORT AUTO RPR (Continued)** **1000595026**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000595026 |
| Registry ID: | 110002849222 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002849222 |
| Name: | IMPORT AUTO RPR |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

CORTESE:

| | |
|---|---|
| Name: | MOBIL #18-D7E |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Region: | CORTESE |
| Global ID: | T0605900203 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Flag: | active |
| File Name: | Active Open |

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Region: | CORTESE |
| Global ID: | T0605935056 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |
| Flag: | active |
| File Name: | Active Open |

HAZNET:

| | |
|---|---|
| Name: | IMPORT AUTO RPR |
| Address: | 4995 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494406 |
| Contact: | SAM EIJEBAII |
| Telephone: | 7148464244 |
| Mailing Address: | 5412 SYSTEM DR |
| Year: | 2010 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| Tons: | 0.285 |
| Year: | 2008 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 1.387 |
| Year: | 2007 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.836 |
| Year: | 2006 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.456 |
| Year: | 2006 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 1.14 |
| Year: | 2005 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 1.976 |
| Year: | 2005 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | - |
| Tons: | 0.456 |
| Year: | 2004 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080033681 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | D80 - Disposal, Land Fill |
| Tons: | 0.15 |
| Year: | 2004 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | - |
| Tons: | 1.995 |
| | |
| Year: | 2004 |
| Gepaid: | CAD983589169 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 1.976 |

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 2003 |
| Gen EPA ID: | CAD983589169 |
| | |
| Shipment Date: | 20030903 |
| Creation Date: | 8/3/2004 7:33:04 |
| Receipt Date: | 20030903 |
| Manifest ID: | 22065915 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.171 |
| Waste Quantity: | 45 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20030730 |
| Creation Date: | 7/29/2004 7:43:54 |
| Receipt Date: | 20030731 |
| Manifest ID: | 22065885 |
| Trans EPA ID: | CAL000209884 |
| TSDF EPA ID: | CAT080013352 |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20030506 |
| Creation Date: | 9/2/2003 18:31:45 |
| Receipt Date: | 20030507 |
| Manifest ID: | 22065786 |
| Trans EPA ID: | CAL000209884 |
| TSDF EPA ID: | CAT080013352 |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.76 |

**IMPORT AUTO RPR (Continued)** **1000595026**

Waste Quantity: 200
Quantity Unit: G

Additional Info:
Year: 2007
Gen EPA ID: CAD983589169

Shipment Date: 20070411
Creation Date: 8/29/2007 18:30:06
Receipt Date: 20070411
Manifest ID: 002751979JJK
Trans EPA ID: CAL000209884
Trans Name: CONSULTANT ENVIRONMENTAL OPERATIONS
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.836
Waste Quantity: 220
Quantity Unit: G

Additional Info:
Year: 2006
Gen EPA ID: CAD983589169

Shipment Date: 20061220
Creation Date: 4/19/2007 18:31:38
Receipt Date: 20061220
Manifest ID: 002642123JJK
Trans EPA ID: CAL000307469
Trans Name: WEST VALLEY ENVIRONMENTAL
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.456
Waste Quantity: 120
Quantity Unit: G

Shipment Date: 20060606
Creation Date: 9/14/2006 18:37:41
Receipt Date: 20060606
Manifest ID: 24912821
Trans EPA ID: CAL000209884
Trans Name: CONSULTANT ENVIRONMENTAL OPERATIONS
TSDF EPA ID: CAT080013352
Trans Name: DE MENNO KERDOON
TSDF Alt EPA ID: CAT080013352
Waste Code Description: 221 - Waste oil and mixed oil
Meth Code: R01 - Recycler
Quantity Tons: 1.14
Waste Quantity: 300
Quantity Unit: G

**IMPORT AUTO RPR (Continued)** **1000595026**

Additional Info:

| | |
|---|---|
| Year: | 2001 |
| Gen EPA ID: | CAD983589169 |
| Shipment Date: | 20010817 |
| Creation Date: | 10/3/2001 0:00:00 |
| Receipt Date: | 20010822 |
| Manifest ID: | 21117208 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613893 |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | D039 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0924 |
| Waste Quantity: | 22 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 2002 |
| Gen EPA ID: | CAD983589169 |
| Shipment Date: | 20021204 |
| Creation Date: | 4/1/2003 18:31:07 |
| Receipt Date: | 20021204 |
| Manifest ID: | 22065619 |
| Trans EPA ID: | CAL000209884 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.627 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |
| Shipment Date: | 20020920 |
| Creation Date: | 2/6/2003 18:31:16 |
| Receipt Date: | 20020920 |
| Manifest ID: | 20260759 |
| Trans EPA ID: | CAL000209884 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 223 - Unspecified oil-containing waste |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1668 |
| Waste Quantity: | 40 |
| Quantity Unit: | G |
| Shipment Date: | 20020628 |
| Creation Date: | 1/21/2003 18:30:55 |
| Receipt Date: | 20020628 |
| Manifest ID: | 20260687 |
| Trans EPA ID: | CAL000209884 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 223 - Unspecified oil-containing waste |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.35445 |
| Waste Quantity: | 85 |
| Quantity Unit: | G |

**IMPORT AUTO RPR (Continued)** **1000595026**

Additional Info:

| | |
|---|---|
| Year: | 2005 |
| Gen EPA ID: | CAD983589169 |
| | |
| Shipment Date: | 20051115 |
| Creation Date: | 1/2/2007 18:30:32 |
| Receipt Date: | 20051115 |
| Manifest ID: | 24524614 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.57 |
| Waste Quantity: | 150 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20050506 |
| Creation Date: | 7/27/2005 10:48:47 |
| Receipt Date: | 20050509 |
| Manifest ID: | 24524442 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.456 |
| Waste Quantity: | 120 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20050322 |
| Creation Date: | 7/21/2005 18:31:13 |
| Receipt Date: | 20050322 |
| Manifest ID: | 23522800 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20050110 |
| Creation Date: | 3/17/2005 18:34:39 |
| Receipt Date: | 20050110 |
| Manifest ID: | 23522730 |
| Trans EPA ID: | CAL000209884 |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.456 |
| Waste Quantity: | 120 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 2010 |
| Gen EPA ID: | CAD983589169 |
| Shipment Date: | 20100616 |
| Creation Date: | 9/10/2010 18:30:08 |
| Receipt Date: | 20100617 |
| Manifest ID: | 006806685JJK |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO KERDOON |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.285 |
| Waste Quantity: | 75 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 2004 |
| Gen EPA ID: | CAD983589169 |
| Shipment Date: | 20041015 |
| Creation Date: | 1/14/2005 10:18:48 |
| Receipt Date: | 20041015 |
| Manifest ID: | 23522677 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.38 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |
| Shipment Date: | 20040901 |
| Creation Date: | 3/16/2007 18:31:12 |
| Receipt Date: | 20040901 |
| Manifest ID: | 23522640 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO /KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 20040617 |
| Creation Date: | 11/1/2004 12:36:11 |
| Receipt Date: | 20040621 |
| Manifest ID: | 23763349 |
| Trans EPA ID: | CAD982440364 |
| Trans Name: | PFR ENVIRONMENTAL SERVICES INC |
| TSDF EPA ID: | CAT080033681 |
| Trans Name: | D/K ENVIRONMENTAL |
| TSDF Alt EPA ID: | CAT080033681 |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | NONE |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20040615 |
| Creation Date: | 11/1/2004 9:00:46 |
| Receipt Date: | 20040615 |
| Manifest ID: | 23522563 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | NONE |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 1.026 |
| Waste Quantity: | 270 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 20040315 |
| Creation Date: | 10/1/2004 18:31:09 |
| Receipt Date: | 20040316 |
| Manifest ID: | 23522480 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.665 |
| Waste Quantity: | 175 |
| Quantity Unit: | G |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| Shipment Date: | 20040115 |
| Creation Date: | 11/18/2004 8:25:56 |
| Receipt Date: | 20040116 |
| Manifest ID: | 23522420 |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.95 |
| Waste Quantity: | 250 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAD983589169 |
| | |
| Shipment Date: | 19971222 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971231 |
| Manifest ID: | 97351328 |
| Trans EPA ID: | ILD984908202 |
| Trans 2 EPA ID: | AZ0000001560 |
| TSDF EPA ID: | CAD093459485 |
| TSDF Alt EPA ID: | CAD093459485 |
| Waste Code Description: | 342 - Organic liquids with metals (see 121 |
| RCRA Code: | D006 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0625 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 2008 |
| Gen EPA ID: | CAD983589169 |
| | |
| Shipment Date: | 20080903 |
| Creation Date: | 10/21/2008 18:30:24 |
| Receipt Date: | 20080904 |
| Manifest ID: | 005234207JJK |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO KERDOON |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.456 |
| Waste Quantity: | 120 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20080408 |
| Creation Date: | 6/4/2008 18:30:29 |
| Receipt Date: | 20080409 |

**IMPORT AUTO RPR (Continued)** **1000595026**

| | |
|---|---|
| Manifest ID: | 003719013JJK |
| Trans EPA ID: | CAL000209884 |
| Trans Name: | CONSULTANT ENVIRONMENTAL OPERATIONS |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DE MENNO KERDOON |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.931 |
| Waste Quantity: | 245 |
| Quantity Unit: | G |

CERS:

| | |
|---|---|
| Name: | MOBIL #18-D7E |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Site ID: | 198162 |
| CERS ID: | T0605900203 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | GENIECE HIGGINS - ORANGE COUNTY LOP |
| Affiliation Address: | 1241 EAST DYER ROAD SUITE 120 |
| Affiliation City: | SANTA ANA |
| Affiliation State: | CA |
| Affiliation Phone: | 7144336260 |
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | ROSE SCOTT - SANTA ANA RWQCB (REGION 8) |
| Affiliation Address: | 3737 MAIN STREET, SUITE 500 |
| Affiliation City: | RIVERSIDE |
| Affiliation State: | CA |
| Affiliation Phone: | 9513206375 |

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | 4995 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Site ID: | 232858 |
| CERS ID: | T0605935056 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | ROSE SCOTT - SANTA ANA RWQCB (REGION 8) |
| Affiliation Address: | 3737 MAIN STREET, SUITE 500 |
| Affiliation City: | RIVERSIDE |
| Affiliation State: | CA |
| Affiliation Phone: | 9513206375 |
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | GENIECE HIGGINS - ORANGE COUNTY LOP |
| Affiliation Address: | 1241 EAST DYER ROAD SUITE 120 |
| Affiliation City: | SANTA ANA |
| Affiliation State: | CA |
| Affiliation Phone: | 7144336260 |

**IMPORT AUTO RPR (Continued)** **1000595026**

HWTS:

| | |
|---|---|
| Name: | IMPORT AUTO RPR |
| Address: | 4995 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494406 |
| EPA ID: | CAD983589169 |
| Inactive Date: | 06/30/1998 |
| Create Date: | 07/11/1991 |
| Last Act Date: | 10/14/2013 |
| Mailing Address: | 5412 SYSTEM DR |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926491501 |
| Owner Name: | IMPORT AUTO REPAIR LLC |
| Owner Address: | 4995 WARNER AVE |
| Owner City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact Name: | SAM EIJEBAII |
| Contact Address: | 4995 WARNER AVE |
| Contact Address 2: | - BATCH 4/27 |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494406 |

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**B30** **MOBIL #18-D7E** **LUST** **S103247674**
**NNE** **4995 WARNER AVE** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92647**
**0.019 mi.**
**100 ft.** **Site 10 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

LUST REG 8:

| | |
|---|---|
| Name: | MOBIL #18-D7E |
| Address: | 4995 WARNER AVE |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Remedial action (cleanup) Underway |
| Case Number: | 083000262T |
| Local Case Num: | 88UT140 |
| Case Type: | Other ground water affected |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| Enf Type: | SEL |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605900203 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 4/1/1986 |
| Date Remedial Action Underway: | 3/24/2003 |
| GW Qualifies: | = |
| Soil Qualifies: | = |
| Oversite Program: | LUST |
| Latitude: | 33.7156308 |
| Longitude: | -118.041427 |
| MTBE Date: | 11/19/2001 |
| Max MTBE GW: | 19 |
| MTBE Concentration: | 0 |
| Max MTBE Soil: | 11 |
| MTBE Fuel: | 1 |
| MTBE Tested: | MTBE Detected. Site tested for MTBE & MTBE detected |

**MOBIL #18-D7E (Continued)** **S103247674**

| | |
|---|---|
| MTBE Class: | * |
| Staff: | RS |
| Staff Initials: | AR |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

---

**B31 NNE < 1/8 0.019 mi. 100 ft.** **IMPORT AUTO REPAIR** **UST** **U003713549**
**4995 WARNER AVE** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 11 of 17 in cluster B**

**Relative: Lower**
**Actual: 37 ft.**

UST:

| | |
|---|---|
| Name: | IMPORT AUTO REPAIR |
| Address: | 4995 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 8050 |
| Permitting Agency: | ORANGE COUNTY |
| Latitude: | 33.71545 |
| Longitude: | -118.04164 |

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**D32 NNW < 1/8 0.021 mi. 110 ft.** **LEWIS CLEANERS** **EDR Hist Cleaner** **1020027464**
**4945 WARNER AVE** **N/A**
**HUNTINGTON BEACH, CA 92649**

**Site 1 of 5 in cluster D**

**Relative: Lower**
**Actual: 38 ft.**

EDR Hist Cleaner

| Year: | Name: | Type: |
|---|---|---|
| 1993 | LEWIS CLEANERS | Drycleaning Plants, Except Rugs, NEC |
| 1994 | LEWIS CLEANERS | Drycleaning Plants, Except Rugs, NEC |

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**D33 NNW < 1/8 0.021 mi. 110 ft.** **LEWIS CLEANERS** **RCRA-SQG** **1000472944**
**4945 WARNER** **FINDS** **CAD982435976**
**HUNTINGTON BEACH, CA 92648** **ECHO**
**DRYCLEANERS**

**Site 2 of 5 in cluster D**

**Relative: Lower**
**Actual: 38 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 1991-01-04 00:00:00.0 |
| Handler Name: | LEWIS CLEANERS |
| Handler Address: | 4945 WARNER |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92648 |
| EPA ID: | CAD982435976 |
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | 4945 WARNER |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92648 |
| Contact Telephone: | 714-840-1212 |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Small Quantity Generator |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |

**LEWIS CLEANERS (Continued)** **1000472944**

| | |
|---|---|
| State District: | 4 |
| Mailing Address: | WARNER |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92648 |
| Owner Name: | TAE CHOON |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2000-09-15 17:30:20.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | TAE CHOON |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |

**LEWIS CLEANERS (Continued)** **1000472944**

Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Historic Generators:
Receive Date: 1991-01-04 00:00:00.0
Handler Name: LEWIS CLEANERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002811654

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000472944
Registry ID: 110002811654
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002811654
Name: LEWIS CLEANERS
Address: 4945 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649

**LEWIS CLEANERS (Continued)** **1000472944**

DRYCLEAN SOUTH COAST:

| | |
|---|---|
| Name: | LEWIS CLEANERS |
| Address: | 4945 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 79087 |
| Application Number: | 229564 |
| Permit Number: | D35113 |
| Status: | A |
| Representative Name: | CHOON TAE |
| Representative Telephone: | 714 8401212 |
| Permit Status: | INACTIVE |
| BCAT Number: | 000234 |
| BCAT Description: | DRY CLEANING EQUIP PERCHLOROETHYLENE |
| UTM East: | 403.38500977 |
| UTM North: | 3730.8989258 |
| Application Date: | 05/29/1990 |
| PO Issue Date: | 01/08/1991 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

| | |
|---|---|
| Name: | LEWIS CLEANERS |
| Address: | 4945 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 79087 |
| Application Number: | 422640 |
| Permit Number: | F64986 |
| Status: | A |
| Representative Name: | CHOON TAE |
| Representative Telephone: | 714 8401212 |
| Permit Status: | INACTIVE |
| BCAT Number: | 000603 |
| BCAT Description: | DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC |
| UTM East: | 403.38500977 |
| UTM North: | 3730.8989258 |
| Application Date: | 12/09/2003 |
| PO Issue Date: | 12/16/2003 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

| | |
|---|---|
| Name: | LEWIS CLEANERS |
| Address: | 4945 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 79087 |
| Application Number: | 468147 |
| Permit Number: | F90713 |
| Status: | A |
| Representative Name: | CHOON TAE |
| Representative Telephone: | 714 8401212 |
| Permit Status: | INACT_NR |
| BCAT Number: | 000603 |
| BCAT Description: | DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC |
| UTM East: | 403.38500977 |
| UTM North: | 3730.8989258 |
| Application Date: | 04/24/2007 |
| PO Issue Date: | 06/19/2007 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

**LEWIS CLEANERS (Continued)** **1000472944**

DRYCLEANERS:

| | |
|---|---|
| Name: | LEWIS CLEANERS |
| Address: | 4945 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494406 |
| EPA Id: | CAD982435976 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| SIC Code: | 7211 |
| SIC Description: | Power Laundries, Family and Commercial |
| Create Date: | 01/04/1991 |
| Facility Active: | No |
| Inactive Date: | 06/30/2008 |
| Owner Name: | TAE CHOON |
| Owner Address: | 4945 WARNER AVE |
| Owner Telephone: | 7148401212 |
| Contact Name: | CHOON TAE |
| Contact Address: | 4945 WARNER AVE |
| Contact Telephone: | 7148401212 |
| Mailing Address 1: | 4945 WARNER AVE |
| Mailing City: | HUNTINGTON BEACH |
| Mailing State: | CA |
| Mailing Zip: | 926490000 |
| Region Code: | 4 |

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**D34** **LEWIS CLEANER** **DRYCLEANERS** **S121696501**
**NNW** **4945 WARNER AVE** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 91732**
**0.021 mi.**
**110 ft.** **Site 3 of 5 in cluster D**

**Relative:**
**Lower**

**Actual:**
**38 ft.**

DRYCLEAN SOUTH COAST:

| | |
|---|---|
| Name: | LEWIS CLEANER |
| Address: | 4945 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 91732 |
| Facility ID: | 1651 |
| Application Number: | 08379A |
| Permit Number: | S05211 |
| Status: | S |
| Permit Status: | INACTIVE |
| BCAT Number: | 000234 |
| BCAT Description: | DRY CLEANING EQUIP PERCHLOROETHYLENE |
| UTM East: | 0 |
| UTM North: | 0 |
| Application Date: | 12/31/9999 |
| PO Issue Date: | 10/17/1980 |
| SIC Code: | 7216 |

**D35 NNW < 1/8 0.028 mi. 148 ft.** | **WALGREENS #12140**
**4935 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**
**Site 4 of 5 in cluster D** | **RCRA-SQG** | **1019322528**
**CAL000363106**

**Relative: Lower**
**Actual: 38 ft.**

RCRA-SQG:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 2020-07-30 00:00:00.0 |
| Handler Name: | WALGREENS #12140 | |
| Handler Address: | | 4935 WARNER AVE |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAL000363106 |
| Contact Name: | | AMBER DURKIN |
| Contact Address: | | WILMOT RD, 5TH FL, MS#1450 |
| Contact City,State,Zip: | | DEERFIELD, IL 60015 |
| Contact Telephone: | | 847-964-8816 |
| Contact Fax: | | 760-918-4025 |
| Contact Email: | | AMBER.DURKIN@WALGREENS.COM |
| Contact Title: | | APS SAFETY MANAGER, NON-RETAIL / SUPPLY CHAIN |
| EPA Region: | | 09 |
| Land Type: | | Private |
| Federal Waste Generator Description: | | Small Quantity Generator |
| Biennial Report Cycle: | | 2019 |
| Active Site Indicator: | | Handler Activities |
| Mailing Address: | | GREYHAWK CT. SUITE 200 |
| Mailing City,State,Zip: | | CARLSBAD, CA 92010 |
| Owner Name: | | 4935 WARNER AVENUE LLC |
| Owner Type: | | Private |
| Operator Name: | | WALGREEN CO. |
| Operator Type: | | Private |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | N |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |

**WALGREENS #12140 (Continued)** **1019322528**

| | |
|---|---|
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-10-07 13:11:25.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |
| Waste Code: | D005 |
| Waste Description: | BARIUM |
| Waste Code: | D007 |
| Waste Description: | CHROMIUM |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D024 |
| Waste Description: | M-CRESOL |
| Waste Code: | P001 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS |
| Waste Code: | U034 |

**WALGREENS #12140 (Continued)** **1019322528**

Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO.
Legal Status: Private
Date Became Current: 2011-04-09 00:00:00.

Owner/Operator Indicator: Owner
Owner/Operator Name: 4935 WARNER AVENUE LLC
Legal Status: Private
Date Became Current: 2011-03-14 00:00:00.
Owner/Operator Address: 5320 E 2ND ST STE 9
Owner/Operator City,State,Zip: LONG BEACH, CA 90803

Owner/Operator Indicator: Owner
Owner/Operator Name: 4935 WARNER AVENUE LLC
Legal Status: Private
Date Became Current: 2011-03-14 00:00:00.
Owner/Operator Address: 5320 E 2ND ST STE 9
Owner/Operator City,State,Zip: LONG BEACH, CA 90803
Owner/Operator Telephone: 562-434-5785

Owner/Operator Indicator: Operator
Owner/Operator Name: WALGREEN CO.
Legal Status: Private
Date Became Current: 2011-04-09 00:00:00.
Owner/Operator Address: 200 WILMONT RD.
Owner/Operator City,State,Zip: DEERFIELD, IL 60015

Historic Generators:

Receive Date: 2016-04-07 00:00:00.0
Handler Name: WALGREENS #12140
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

**WALGREENS #12140 (Continued)** **1019322528**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 2020-07-30 00:00:00.0
Handler Name: WALGREENS #12140
Federal Waste Generator Description: Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**D36** **WALGREENS #12140** **CERS HAZ WASTE** **S113161602**
**NNW** **4935 WARNER AVE** **HAZNET** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649** **HWTS**
**0.028 mi.**
**148 ft.** **Site 5 of 5 in cluster D**

**Relative:**
**Lower**
**Actual:**
**38 ft.**

CERS HAZ WASTE:
Name: WALGREENS #12140
Address: 4935 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 84125
CERS ID: 10460692
CERS Description: Hazardous Waste Generator

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-20-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2016 CERS review
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2019

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Met with Mohammed Qaspers of Walgreens. The following were observed: Hazardous waste was stored properly with containers closed and labeled properly. Hazardous waste manifests were available for review. Employee training is conducted via online and a refresher of hazardous materials and communication is done annually. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 09-27-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Daren Shell who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Totes of hazardous waste located in the rear of store. Facility contracts with stericycle Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-08-2013 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct an annual routine Hazardous Waste Inspection. Met with Darren who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: The tote system flammables, toxic, corrosive, universal waste, pharmaceutical waste. Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA Hazardous Waste [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-24-2014 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | CERS approved. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 84125 |
| Facility Name: | Walgreens #12140 |
| Env Int Type Code: | HWG |
| Program ID: | 10460692 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.715430 |
| Longitude: | -118.042390 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Tristan Guison, On behalf of Walgreen Co. |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Verisk 3E, Regulatory Department/Walgreen Co. |
| Affiliation Address: | 3207 Grey Hawk Court, Suite 200 |
| Affiliation City: | Carlsbad |
| Affiliation State: | CA |
| Affiliation Zip: | 92010 |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | Verisk 3E, Regulatory/Walgreen Co, 3207 Grey Hawk Court, Suite 200 |
| Affiliation City: | Carlsbad |
| Affiliation State: | CA |
| Affiliation Zip: | 92010 |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | Walgreens |
| | |
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| | |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Walgreen Co. |
| Affiliation Address: | 200 Wilmot Road |
| Affiliation City: | Deerfield |
| Affiliation State: | IL |
| Affiliation Country: | United States |
| Affiliation Zip: | 60015 |
| Affiliation Phone: | (847) 914-2264 |

**WALGREENS #12140 (Continued)** **S113161602**

Affiliation Type Desc: Operator
Entity Name: Walgreen Co.
Affiliation Phone: (847) 914-2264

Affiliation Type Desc: Identification Signer
Entity Name: Tristan Guison, on behalf of Walgreen Co.
Entity Title: Regulatory Compliance Specialist, Verisk 3E

HAZNET:
Name: WALGREENS #12140
Address: 4935 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 920100000
Contact: KARINA ROMERO
Telephone: 7606028700
Mailing Address: 3207 GREY HAWK CT. SUITE 200

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: CAD008364432
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01350

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02700

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02800

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: CAD008364432
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.09300

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: INR000110197
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00300

**WALGREENS #12140 (Continued)** **S113161602**

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.39400

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35450

Year: 2019
Gepaid: CAL000363106
TSD EPA ID: CAD008364432
CA Waste Code: 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01200

Year: 2018
Gepaid: CAL000363106
TSD EPA ID: CAD008364432
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00300

Year: 2018
Gepaid: CAL000363106
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26550

Click this hyperlink while viewing on your computer to access
54 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2012
Gen EPA ID: CAL000363106

Shipment Date: 20121127
Creation Date: 4/6/2013 22:15:15
Receipt Date: 20121205
Manifest ID: 005804896FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.004 |
| Waste Quantity: | 8 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20121127 |
| Creation Date: | 4/6/2013 22:15:15 |
| Receipt Date: | 20121205 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0075 |
| Waste Quantity: | 15 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20121127 |
| Creation Date: | 4/6/2013 22:15:15 |
| Receipt Date: | 20121205 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | P001 |
| | |
| Shipment Date: | 20121127 |
| Creation Date: | 4/6/2013 22:15:15 |
| Receipt Date: | 20121205 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20121127 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0195 |
| Waste Quantity: | 39 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20121127 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| | |
| Shipment Date: | 20121127 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0285 |
| Waste Quantity: | 57 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20121127 |
| Manifest ID: | 005804896FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0235 |
| Waste Quantity: | 47 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120823 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120910 |
| Manifest ID: | 005865474FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120823 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120910 |
| Manifest ID: | 005865474FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |

Additional Info:

| | |
|---|---|
| Year: | 2016 |
| Gen EPA ID: | CAL000363106 |
| | |
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.091 |
| Waste Quantity: | 182 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | - Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | - Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.035 |
| Waste Quantity: | 70 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0055 |
| Waste Quantity: | 11 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |

**WALGREENS #12140 (Continued)** **S113161602**

Trans Name: RHO CHEM LLC
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0115
Waste Quantity: 23
Quantity Unit: P

Shipment Date: 20151009
Creation Date: 12/16/2015 22:15:07
Receipt Date: 20151016
Manifest ID: 008507185FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: D010
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0095
Waste Quantity: 19
Quantity Unit: P
Additional Code 1: D007

Shipment Date: 20151009
Manifest ID: 008507185FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Waste Code Description: 311 - Pharmaceutical waste
RCRA Code: P001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0005
Waste Quantity: 1
Quantity Unit: P

Additional Info:
Year: 2017
Gen EPA ID: CAL000363106

Shipment Date: 20171207
Manifest ID: 010142101FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000217554
Trans 2 Name: CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Waste Code Description: 311 - Pharmaceutical waste

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0035 |
| Waste Quantity: | 7 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.051 |
| Waste Quantity: | 102 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Creation Date: | 7/5/2018 18:32:15 |
| Receipt Date: | 20171218 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Creation Date: | 7/5/2018 18:32:15 |
| Receipt Date: | 20171218 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| | |
| Shipment Date: | 20171207 |
| Creation Date: | 7/5/2018 18:32:15 |
| Receipt Date: | 20171218 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Creation Date: | 7/5/2018 18:32:15 |
| Receipt Date: | 20171218 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20171207 |
| Manifest ID: | 010142101FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217554 |
| Trans 2 Name: | CRUZ CONTAINERS LOGISTICS INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.048 |
| Waste Quantity: | 96 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170907 |
| Manifest ID: | 010800710FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000217000 |
| Trans 2 Name: | LA CHIQUITA TRUCKING |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0045 |
| Waste Quantity: | 9 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2013 |
| Gen EPA ID: | CAL000363106 |
| | |
| Shipment Date: | 20131118 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| | |
| Shipment Date: | 20131118 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Creation Date: | 3/31/2014 22:15:09 |
| Receipt Date: | 20131202 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Creation Date: | 3/31/2014 22:15:09 |
| Receipt Date: | 20131202 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Creation Date: | 3/31/2014 22:15:09 |
| Receipt Date: | 20131202 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0075 |
| Waste Quantity: | 15 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Creation Date: | 3/31/2014 22:15:09 |
| Receipt Date: | 20131202 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.005 |
| Waste Quantity: | 10 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.063 |
| Waste Quantity: | 126 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131118 |
| Manifest ID: | 006268360FLE |
| Trans EPA ID: | MNS000110924 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.068 |
| Waste Quantity: | 136 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130827 |
| Creation Date: | 1/13/2014 22:15:22 |
| Receipt Date: | 20130916 |
| Manifest ID: | 006272198FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130827 |
| Creation Date: | 1/13/2014 22:15:22 |
| Receipt Date: | 20130916 |
| Manifest ID: | 006272198FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0745 |
| Waste Quantity: | 149 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2011 |
| Gen EPA ID: | CAL000363106 |
| | |
| Shipment Date: | 20111210 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0205 |
| Waste Quantity: | 41 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111210 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | P001 |

| | |
|---|---|
| Shipment Date: | 20111210 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0275 |
| Waste Quantity: | 55 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111210 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.019 |
| Waste Quantity: | 38 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111210 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111210 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111227 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0175 |
| Waste Quantity: | 35 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111210 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111227 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0105 |
| Waste Quantity: | 21 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111210 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111227 |
| Manifest ID: | 004706262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

**WALGREENS #12140 (Continued)** **S113161602**

Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P

Shipment Date: 20111210
Manifest ID: 004706262FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: - Not reported
Meth Code: - Not reported
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P

Shipment Date: 20111210
Creation Date: 12/3/2012 22:15:48
Receipt Date: 20111227
Manifest ID: 004706262FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANSPORT INC
TSDF EPA ID: INR000110197
Trans Name: STERICYCLE INC
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0045
Waste Quantity: 9
Quantity Unit: P

Additional Info:
Year: 2015
Gen EPA ID: CAL000363106

Shipment Date: 20151009
Manifest ID: 008507185FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Waste Code Description: - Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P

Shipment Date: 20151009
Manifest ID: 008507185FLE

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | - Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.035 |
| Waste Quantity: | 70 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.042 |
| Waste Quantity: | 84 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.091 |
| Waste Quantity: | 182 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20151009 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0055 |
| Waste Quantity: | 11 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0115 |
| Waste Quantity: | 23 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0095 |
| Waste Quantity: | 19 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |
| | |
| Shipment Date: | 20151009 |
| Creation Date: | 12/16/2015 22:15:07 |
| Receipt Date: | 20151016 |
| Manifest ID: | 008507185FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2014 |
| Gen EPA ID: | CAL000363106 |
| | |
| Shipment Date: | 20141029 |
| Creation Date: | 1/21/2016 22:15:11 |
| Manifest ID: | 007319885FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000177527 |
| Trans 2 Name: | PHILIP WEST INDUSTRIAL SERVICES |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141029 |
| Creation Date: | 1/21/2016 22:15:11 |
| Manifest ID: | 007319885FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000177527 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Trans 2 Name: | PHILIP WEST INDUSTRIAL SERVICES |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20141029 |
| Creation Date: | 1/21/2016 22:15:11 |
| Manifest ID: | 007319885FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000177527 |
| Trans 2 Name: | PHILIP WEST INDUSTRIAL SERVICES |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20141029 |
| Creation Date: | 1/21/2016 22:15:11 |
| Manifest ID: | 007319885FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | CAR000177527 |
| Trans 2 Name: | PHILIP WEST INDUSTRIAL SERVICES |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20140811 |
| Creation Date: | 2/6/2015 22:15:12 |
| Receipt Date: | 20140819 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0085 |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Waste Quantity: | 17 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20140811 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.07 |
| Waste Quantity: | 140 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20140811 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | - Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0325 |
| Waste Quantity: | 65 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20140811 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P075 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20140811 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |

**WALGREENS #12140 (Continued)** **S113161602**

| | |
|---|---|
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Shipment Date: | 20140811 |
| Manifest ID: | 007257021FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| Additional Code 1: | D007 |

HWTS:

| | |
|---|---|
| Name: | WALGREENS #12140 |
| Address: | 4935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000363106 |
| Create Date: | 04/20/2011 |
| Last Act Date: | 08/03/2020 |
| Mailing Address: | 104 WILMOT RD 5TH FLR MS 1450 |
| Mailing City,State,Zip: | DEERFIELD, IL 60015 |
| Owner Name: | WALGREEN CO. |
| Owner Address: | 200 WILMOT RD MS 2273 |
| Owner City,State,Zip: | DEERFIELD, IL 600150000 |
| Contact Name: | KARINA ROMERO |
| Contact Address: | 3207 GREY HAWK CT., SUITE 200 |
| City,State,Zip: | CARLSBAD, CA 92010 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000363106 |
| Create Date: | 2011-04-20 08:50:19.633 |
| NAICS Code: | 44611 |
| NAICS Description: | Pharmacies and Drug Stores |
| Issued EPA ID Date: | 2011-04-20 08:50:19.63300 |
| Facility Name: | WALGREENS #12140 |
| Facility Address: | 4935 WARNER AVE |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 92649 |

| | | | |
|---|---|---|---|
| **B37** | **LOVKO SALES** | **RCRA-SQG** | **1000595020** |
| **NNE** | **16961 BOLSA CHICA** | **FINDS** | **CAD983589102** |
| **< 1/8** | **HUNTINGTON BEACH, CA 92649** | **ECHO** | |
| **0.032 mi.** | | **HAZNET** | |
| **168 ft.** | **Site 12 of 17 in cluster B** | **HWTS** | |

**Relative:**
**Lower**

**Actual:**
**36 ft.**

RCRA-SQG:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 1991-07-11 00:00:00.0 |
| Handler Name: | LOVKO SALES | |
| Handler Address: | | 16961 BOLSA CHICA |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAD983589102 |
| Contact Name: | | VIERS MICHELLE |
| Contact Address: | | 16961 BOLSA CHICA |
| Contact City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | | 714-846-1393 |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Small Quantity Generator |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | CA |
| State District: | | 4 |
| Mailing Address: | | BOLSA CHICA |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | | LEWIS SZALLAY |
| Owner Type: | | Private |
| Operator Name: | | NOT REQUIRED |
| Operator Type: | | Private |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | NN |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |

**LOVKO SALES (Continued)** **1000595020**

Significant Non-Complier With a Compliance Schedule Universe: No
Handler Date of Last Change: 2000-09-15 17:30:33.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Owner
Owner/Operator Name: LEWIS SZALLAY
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Historic Generators:
Receive Date: 1991-07-11 00:00:00.0
Handler Name: LOVKO SALES
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002849160

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

**LOVKO SALES (Continued)** **1000595020**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000595020 |
| Registry ID: | 110002849160 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002849160 |
| Name: | LOVKO SALES |
| Address: | 16961 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

HAZNET:

| | |
|---|---|
| Name: | LOVKO SALES |
| Address: | 16961 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | UNDELIVERABLE SURVEY 2-1-95 HJ |
| Telephone: | 4155551212 |
| Mailing Address: | 16961 BOLSA CHICA |
| Year: | 1993 |
| Gepaid: | CAD983589102 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 8.36 |

Additional Info:

| | |
|---|---|
| Year: | 1993 |
| Gen EPA ID: | CAD983589102 |
| Shipment Date: | 19930301 |
| Creation Date: | 9/1/1995 0:00:00 |
| Receipt Date: | 19930302 |
| Manifest ID: | 92686937 |
| Trans EPA ID: | CAT080033764 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 8.36 |
| Waste Quantity: | 2200 |
| Quantity Unit: | G |

HWTS:

| | |
|---|---|
| Name: | LOVKO SALES |
| Address: | 16961 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAD983589102 |
| Inactive Date: | 01/01/1995 |
| Create Date: | 07/11/1991 |
| Last Act Date: | 08/10/2004 |
| Mailing Address: | 16961 BOLSA CHICA |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |

**LOVKO SALES (Continued)** **1000595020**

| | |
|---|---|
| Owner Name: | LEWIS SZALLAY |
| Owner Address: | NOT REQUIRED |
| Owner City,State,Zip: | NOT REQUIRED, ME 999990000 |
| Contact Name: | UNDELIVERABLE SURVEY 2-1-95 HJ |
| Contact Address: | NOT REQUIRED |
| City,State,Zip: | NOT REQUIRED, ME 999990000 |

---

**C38** **STEVERSON BROS. BOUCHER SITE** **ENVIROSTOR** **S100538753**
**SE** **SE OF BOLSA CHICA & DUNBAR** **VCP** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.034 mi.**
**178 ft.** **Site 9 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | STEVERSON BROS. BOUCHER SITE |
| Address: | SE OF BOLSA CHICA & DUNBAR |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 30490053 |
| Status: | No Further Action |
| Status Date: | 11/18/1997 |
| Site Code: | 400435 |
| Site Type: | Voluntary Cleanup |
| Site Type Detailed: | Voluntary Cleanup |
| NPL: | NO |
| Regulatory Agencies: | SMBRP |
| Lead Agency: | SMBRP |
| Supervisor: | * Greg Holmes |
| Division Branch: | Cleanup Cypress |
| Assembly: | 72 |
| Senate: | 34 |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Latitude: | 33.71361 |
| Longitude: | -118.0411 |
| APN: | NONE SPECIFIED |
| Past Use: | OIL FIELD |
| Potential COC: | * HYDROCARBON SOLVENTS * DRILLING MUD * UNSPECIFIED ORGANIC LIQUID MIXTURE |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | SOIL |
| Alias Name: | Bolsa Chica Landfill |
| Alias Type: | Alternate Name |
| Alias Name: | 110033617904 |
| Alias Type: | EPA (FRS #) |
| Alias Name: | 400435 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 30490053 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Preliminary Endangerment Assessment Report |
| Completed Date: | 01/09/1995 |
| Comments: | The Preliminary Endangerment Assemssment is completed, No Further Action is required. |
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Triage Meeting |

**STEVERSON BROS. BOUCHER SITE (Continued)** **S100538753**

Completed Date: 06/23/2015

VCP:

| | |
|---|---|
| Name: | STEVERSON BROS. BOUCHER SITE |
| Address: | SE OF BOLSA CHICA & DUNBAR |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 30490053 |
| Site Type: | Voluntary Cleanup |
| Site Type Detail: | Voluntary Cleanup |
| Site Mgmt. Req.: | NONE SPECIFIED |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP |
| Lead Agency: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Supervisor: | * Greg Holmes |
| Division Branch: | Cleanup Cypress |
| Site Code: | 400435 |
| Assembly: | 72 |
| Senate: | 34 |
| Status: | No Further Action |
| Status Date: | 11/18/1997 |
| Restricted Use: | NO |
| Lat/Long: | 33.71361 / -118.0411 |
| APN: | NONE SPECIFIED |
| Past Use: | OIL FIELD |
| Potential COC: | 10009, 20004, 20017 |
| Confirmed COC: | NONE SPECIFIED |
| Potential Description: | SOIL |
| Alias Name: | Bolsa Chica Landfill |
| Alias Type: | Alternate Name |
| Alias Name: | 110033617904 |
| Alias Type: | EPA (FRS #) |
| Alias Name: | 400435 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 30490053 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Preliminary Endangerment Assessment Report |
| Completed Date: | 01/09/1995 |
| Comments: | The Preliminary Endangerment Assemssment is completed, No Further Action is required. |

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Triage Meeting |
| Completed Date: | 06/23/2015 |

**B39 NNE < 1/8 0.039 mi. 206 ft.** | **TEMPEST EQUITY**
**16928 BOLSA CHICA ST**
**HUNTINGTON BEACH, CA 92648**
**Site 13 of 17 in cluster B** | **RCRA-SQG** | **1025879555**
**CAP000097535**

**Relative: Lower**
**Actual: 36 ft.**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 2001-05-30 00:00:00.0 |
| Handler Name: | TEMPEST EQUITY |
| Handler Address: | 16928 BOLSA CHICA ST |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92648 |
| EPA ID: | CAP000097535 |
| Contact Name: | SID CROSSLEY |
| Contact Address: | 1799 NEWPORT BLVD |
| Contact City,State,Zip: | COSTA MESA, CA 92626 |
| Contact Telephone: | 949-515-4232 |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Small Quantity Generator |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 1799 NEWPORT BLVD |
| Mailing City,State,Zip: | COSTA MESA, CA 92626 |
| Owner Name: | WILLIAM LANDIS |
| Owner Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2006-09-05 00:00:00.0 |
| Recognized Trader-Importer: | No |

**TEMPEST EQUITY (Continued)** **1025879555**

| | |
|---|---|
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | F002 |
| Waste 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. |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | WILLIAM LANDIS |
| Legal Status: | Private |
| Owner/Operator Address: | 1901 AVE OF THE STARS NO 670 |
| Owner/Operator City,State,Zip: | LOS ANGELES, CA 90067 |
| Owner/Operator Telephone: | 310-277-3322 |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | WILLIAM LANDIS |
| Legal Status: | Private |
| Owner/Operator Address: | 1901 AVE OF THE STARS NO 670 |
| Owner/Operator City,State,Zip: | LOS ANGELES, CA 90067 |
| Owner/Operator Telephone: | 310-277-3322 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2001-05-30 00:00:00.0 |
| Handler Name: TEMPEST EQUITY | |
| Federal Waste Generator Description: | Small Quantity Generator |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| | |
| Receive Date: | 2001-05-30 00:00:00.0 |
| Handler Name: TEMPEST EQUITY | |
| Federal Waste Generator Description: | Large Quantity Generator |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |

**TEMPEST EQUITY (Continued)** **1025879555**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**B40** **TEMPEST EQUITY** **RCRA-LQG** **1014387974**
**NNE** **16928 BOLSA CHICA ST** **Orange Co. Industrial Site** **CAR000216325**
**< 1/8** **HUNTINGTON BEACH, CA 92648** **FINDS**
**0.039 mi.** **ECHO**
**206 ft.** **Site 14 of 17 in cluster B** **HAZNET**
**HWTS**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

RCRA-LQG:

| | |
|---|---|
| Date Form Received by Agency: | 2013-03-08 00:00:00.0 |
| Handler Name: | LANDIS FAMILY TRUST (FORMERLY DRY CLEANER) |
| Handler Address: | 16928 BOLSA CHICA STREET |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAR000216325 |
| Contact Name: | WILLIAM LANDIS |
| Contact Address: | AVENUE OF THE STARS #670 |
| Contact City,State,Zip: | LOS ANGELES, CA 90067 |
| Contact Telephone: | 310-277-3322 |
| Contact Fax: | 310-277-3412 |
| Contact Email: | LANDESQ@EARTHLINK.NET |
| Contact Title: | TRUSTEE |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Large Quantity Generator |
| Biennial Report Cycle: | 2011 |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | AVENUE OF THE STARS #670 |
| Mailing City,State,Zip: | LOS ANGELES, CA 90067 |
| Owner Name: | LANDIS FAMILY TRUST |
| Owner Type: | Private |
| Operator Name: | LANDIS FAMILY TRUST |
| Operator Type: | Private |
| Short-Term Generator Activity: | Yes |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |

**TEMPEST EQUITY (Continued)** **1014387974**

| | |
|---|---|
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2013-03-11 19:36:04.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Biennial: List of Years

Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: F002

Waste 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.

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LANDIS FAMILY TRUST |
| Legal Status: | Private |
| Date Became Current: | 2002-01-01 00:00:00. |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LANDIS FAMILY TRUST |
| Legal Status: | Private |
| Date Became Current: | 2000-10-10 00:00:00. |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LANDIS FAMILY TRUST |
| Legal Status: | Private |
| Date Became Current: | 2002-01-01 00:00:00. |

**TEMPEST EQUITY (Continued)** **1014387974**

Owner/Operator Address: 1901 AVENUE OF THE STARS #670
Owner/Operator City,State,Zip: LOS ANGELES, CA 90067
Owner/Operator Telephone: 310-277-3322

Owner/Operator Indicator: Owner
Owner/Operator Name: LANDIS FAMILY TRUST
Legal Status: Private
Date Became Current: 2002-01-01 00:00:00.
Owner/Operator Address: 1901 AVE OF THE STARS
Owner/Operator City,State,Zip: LOS ANGELES, CA 90067
Owner/Operator Telephone: 310-277-3322

Historic Generators:
Receive Date: 2013-03-08 00:00:00.0
Handler Name: LANDIS FAMILY TRUST (FORMERLY DRY CLEANER)
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

Receive Date: 2011-01-25 00:00:00.0
Handler Name: LANDIS FAMILY TRUST
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

List of NAICS Codes and Descriptions:
NAICS Code: 53112
NAICS Description: LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Orange Co. Industrial Site:
Name: FORMER DRY CLEANER
Address: 16928 BOLSA CHICA ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Case ID: 99IC028
Record ID: RO0000702
Current Status: CLOSED 4/24/2013
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE

**TEMPEST EQUITY (Continued)** **1014387974**

FINDS:
Registry ID: 110070800002

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110043313125

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1014387974 |
| Registry ID: | 110043313125 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110043313125 |
| Name: | LANDIS FAMILY TRUST (FORMERLY DRY CLEANER) |
| Address: | 16928 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

HAZNET:

| | |
|---|---|
| Name: | LANDIS FAMILY TRUST |
| Address: | 16928 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | WILLIAM LANDIS |
| Telephone: | 3102773322 |
| Mailing Address: | 1901 AVENUE OF THE STARS |
| Year: | 2011 |
| Gepaid: | CAR000216325 |
| TSD EPA ID: | CAD980675276 |
| CA Waste Code: | 611 - Contaminated soil from site clean-up |
| Disposal Method: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Tons: | 63.72 |

Additional Info:

| | |
|---|---|
| Year: | 2011 |
| Gen EPA ID: | CAR000216325 |

**TEMPEST EQUITY (Continued)** **1014387974**

| | |
|---|---|
| Shipment Date: | 20110209 |
| Creation Date: | 4/1/2011 18:30:28 |
| Receipt Date: | 20110209 |
| Manifest ID: | 008068222JJK |
| Trans EPA ID: | CAD982347627 |
| Trans Name: | WC LOGISTICS INC |
| TSDF EPA ID: | CAD980675276 |
| Trans Name: | CLEAN HARBORS (BUTTONWILLOW) LLC |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 21.24 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20110209 |
| Creation Date: | 4/1/2011 18:30:28 |
| Receipt Date: | 20110209 |
| Manifest ID: | 008068224JJK |
| Trans EPA ID: | CAD982347627 |
| Trans Name: | WC LOGISTICS INC |
| TSDF EPA ID: | CAD980675276 |
| Trans Name: | CLEAN HARBORS (BUTTONWILLOW) LLC |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 21.24 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20110209 |
| Creation Date: | 4/1/2011 18:30:28 |
| Receipt Date: | 20110209 |
| Manifest ID: | 008068223JJK |
| Trans EPA ID: | CAD982347627 |
| Trans Name: | WC LOGISTICS INC |
| TSDF EPA ID: | CAD980675276 |
| Trans Name: | CLEAN HARBORS (BUTTONWILLOW) LLC |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 21.24 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

HWTS:

| | |
|---|---|
| Name: | LANDIS FAMILY TRUST |
| Address: | 16928 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAR000216325 |
| Inactive Date: | 06/30/2012 |
| Create Date: | 02/09/2011 |
| Last Act Date: | 02/06/2013 |
| Mailing Address: | 1901 AVENUE OF THE STARS |

**TEMPEST EQUITY (Continued)** **1014387974**

| | |
|---|---|
| Mailing City,State,Zip: | LOS ANGELES, CA 900676001 |
| Owner Name: | LANDIS FAMILY TRUST |
| Owner Address: | 1901 AVENUE OF THE STARS STE 670 |
| Owner City,State,Zip: | LOS ANGELES, CA 900676098 |
| Contact Name: | WILLIAM LANDIS |
| Contact Address: | 1901 AVENUE OF THE STARS STE 670 |
| City,State,Zip: | LOS ANGELES, CA 900676098 |

---

**C41** **STEVERSON BROTHERS-BOLSA CHICA** **WMUDS/SWAT** **S103442609**
**SE** **SE OF BOLSA CHICA & DUNBAR** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA**
**0.041 mi.**
**218 ft.** **Site 10 of 10 in cluster C**

**Relative:**
**Higher**

**Actual:**
**43 ft.**

WMUDS/SWAT:

| | |
|---|---|
| Tonnage: | 0 |
| Municipal Solid Waste: | False |
| Superorder: | False |
| Open To Public: | False |
| Waste List: | False |
| Agency Name: | STEVERSON BROTHERS |
| Land Owner City,St,Zip: | CA |
| Region: | 8 |
| Waste Discharge System: | False |
| Solid Waste Assessment Test Program: | True |
| Toxic Pits Cleanup Act Program: | False |
| Resource Conservation Recovery Act: | False |
| Department of Defence: | False |
| Solid Waste Assessment Test Program: | STEVERSON BROTHERS |
| Sub Chapter 15: | False |
| Regional Board Project Officer: | MA |
| Number of WMUDS at Facility: | 1 |
| Waste Discharge System ID: | 8 300036NUR |

---

**B42** **CVS PHARMACY #9373** **RCRA-LQG** **1000377481**
**NNE** **16922 BOLSA CHICA STREET** **CAD048618441**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.042 mi.**
**221 ft.** **Site 15 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

RCRA-LQG:

| | |
|---|---|
| Date Form Received by Agency: | 2020-02-17 00:00:00.0 |
| Handler Name: | CVS PHARMACY #9373 |
| Handler Address: | 16922 BOLSA CHICA STREET |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649-0000 |
| EPA ID: | CAD048618441 |
| Contact Name: | NICOLE WILKINSON |
| Contact Address: | CVS DRIVE |
| Contact City,State,Zip: | WOONSOCKET, RI 02895 |
| Contact Telephone: | 401-770-7132 |
| Contact Email: | NICOLE.WILKINSON@CVSHEALTH.COM |
| Contact Title: | DIRECTOR CORPORATE ENVIRONMENTAL |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Large Quantity Generator |
| Biennial Report Cycle: | 2019 |

**CVS PHARMACY #9373 (Continued)** **1000377481**

| | |
|---|---|
| Active Site Indicator: | Handler Activities |
| Mailing Address: | CVS DRIVE MC2340 |
| Mailing City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner Name: | LONGS DRUG STORES CALIFORNIA, L.L.C |
| Owner Type: | Private |
| Operator Name: | LONGS DRUG STORES CALIFORNIA, L.L.C |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-10-05 18:44:50.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

**CVS PHARMACY #9373 (Continued)** **1000377481**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

**CVS PHARMACY #9373 (Continued)** **1000377481**

SALTS

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P088
Waste Description: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U132
Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Legal Status: Private

**CVS PHARMACY #9373 (Continued)** **1000377481**

| | |
|---|---|
| Date Became Current: | 2011-07-24 00:00:00. |
| Owner/Operator Address: | 1 CVS DRIVE |
| Owner/Operator City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner/Operator Telephone: | 401-765-1500 |
| Owner/Operator Email: | CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LEE HWASOOK |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LONGS DRUG STORES CALIFORNIA LLC |
| Legal Status: | Private |
| Date Became Current: | 2011-12-01 00:00:00. |
| Owner/Operator Address: | 1 CVS DR 23062A |
| Owner/Operator City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner/Operator Telephone: | 401-765-1500 |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LONGS DRUG STORES CALIFORNIA, L.L.C |
| Legal Status: | Private |
| Date Became Current: | 2011-07-24 00:00:00. |
| Owner/Operator Address: | 1 CVS DRIVE |
| Owner/Operator City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner/Operator Telephone: | 401-765-1500 |
| Owner/Operator Email: | CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LONGS DRUG STORES CALIFORNIA, L.L.C |
| Legal Status: | Private |
| Date Became Current: | 2011-12-01 00:00:00. |
| Owner/Operator Address: | ONE CVS DR |
| Owner/Operator City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner/Operator Telephone: | 401-765-1500 |
| Owner/Operator Email: | NICOLE.WILKINSON@CVSHEALTH.COM |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LEE HWASOOK |
| Legal Status: | Private |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LONGS DRUG STORES CALIFORNIA LLC |
| Legal Status: | Private |
| Date Became Current: | 2011-07-24 00:00:00. |
| Owner/Operator Address: | 1 CVS DR 23062A |
| Owner/Operator City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner/Operator Telephone: | 401-765-1500 |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |

**CVS PHARMACY #9373 (Continued)** **1000377481**

Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Legal Status: Private
Date Became Current: 2011-07-24 00:00:00.

Owner/Operator Indicator: Owner
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Legal Status: Private
Date Became Current: 2011-12-01 00:00:00.
Owner/Operator Address: ONE CVS DR
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: 401-765-1500
Owner/Operator Email: NICOLE.WILKINSON@CVSHEALTH.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA LLC
Legal Status: Private
Date Became Current: 2011-07-24 00:00:00.

Owner/Operator Indicator: Owner
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA, L.L.C
Legal Status: Private
Date Became Current: 2011-12-01 00:00:00.
Owner/Operator Address: 1 CVS DR
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: 401-765-1500

Owner/Operator Indicator: Owner
Owner/Operator Name: LONGS DRUG STORES CALIFORNIA LLC
Legal Status: Private
Date Became Current: 2011-12-01 00:00:00.
Owner/Operator Address: ONE CVS DR
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: 401-765-1500

Historic Generators:
Receive Date: 2014-03-01 00:00:00.0
Handler Name: CVS PHARMACY #9373
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 2016-03-10 00:00:00.0
Handler Name: CVS PHARMACY #9373
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

**CVS PHARMACY #9373 (Continued)** **1000377481**

Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 2018-03-01 00:00:00.0
Handler Name: CVS PHARMACY #9373
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-17 00:00:00.0
Handler Name: CVS PHARMACY #9373
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: CAESAR'S CLEANERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 1985-10-15 00:00:00.0
Handler Name: CAESAR'S CLEANERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 2012-09-04 00:00:00.0
Handler Name: CVS PHARMACY NO 9373
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

**CVS PHARMACY #9373 (Continued)** **1000377481**

Spent Lead Acid Battery Exporter: No
Current Record: No

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**B43 NNE < 1/8 0.042 mi. 221 ft.** | **CVS PHARMACY # 9373** | **CERS HAZ WASTE** | **S113799993**
**16922 BOLSA CHICA ST** | **HAZNET** | **N/A**
**HUNTINGTON BEACH, CA 92649** | **HWTS**

**Site 16 of 17 in cluster B**

**Relative: Lower**
**Actual: 36 ft.**

CERS HAZ WASTE:
Name: CVS PHARMACY #9373
Address: 16922 BOLSA CHICA ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 109542
CERS ID: 10440133
CERS Description: RCRA LQ HW Generator

Violations:
Site ID: 109542
Site Name: CVS Pharmacy #9373
Violation Date: 10-09-2013
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send hazardous waste manifest copies to DTSC.
Violation Notes: Returned to compliance on 11/15/2013. Facility is using CAR00023556. Your EPA ID number for you facility is CAD048618441. Please cease the use of any other number then your active assigned number. To abate this violation contact your hauler to change number and send this agency verification that you are using the correct number (manifest with the correct number or a letter indicating this has been corrected) within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 09-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: No assistant manager or manager on site. Facility requested to come back another date.

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-08-2013 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a routine Hazardous Waste Inspection. Met with Sean who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Tote system with flammable, toxic, corrosive, universal, and pharmaceutical waste Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-08-2019 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a routine hazardous waste inspection. Met with Humberto Huerta of CVS Stores. Consent was provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated was properly stored and labeled. -- Waste manifests for all waste streams were available for review. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-09-2013 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up inspection report. It has come to this agency's attention that you are using the incorrect EPA ID number. Please correct the above violation. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-12-2016 |
| Violations Found: | No |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Wade who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Tote system (Stericycle) Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste Emergency Response information. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| Eval General Type: | Other/Unknown |
| Eval Date: | 11-15-2013 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received letter from CVS. Received Correction Letter sent to DTSC on 11/12/13 for manifest #: -- 006210756 -- 006210212 Violation W008 has been corrected. All violations have been abated. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 109542 |
| Facility Name: | CVS Pharmacy #9373 |
| Env Int Type Code: | HWG |
| Program ID: | 10440133 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.715880 |
| Longitude: | -118.040810 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Verisk 3E, Regulatory Services/CVS |
| Affiliation Address: | 3207 Grey Hawk Ct., Ste. 200 |
| Affiliation City: | Carlsbad |
| Affiliation State: | CA |
| Affiliation Zip: | 92010 |
| Affiliation Type Desc: | Legal Owner |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

Entity Name: Long Drugs Stores California, L.L.C.
Affiliation Address: One CVS Drive
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: United States
Affiliation Zip: 02895
Affiliation Phone: (401) 765-1500

Affiliation Type Desc: Parent Corporation
Entity Name: CVS Health

Affiliation Type Desc: Property Owner
Entity Name: Longs Drug Stores California, L.L.C.
Affiliation Address: 1 CVS Dr.
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: United States
Affiliation Zip: 02895
Affiliation Phone: (401) 765-1500

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive G MC 1160
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Zip: 02895

Affiliation Type Desc: Identification Signer
Entity Name: Crystalyn Dogui-is, Agent for Longs Drug Stores California, L.L.C.
Entity Title: Regulatory Compliance Specialist II, Verisk 3E

Affiliation Type Desc: Operator
Entity Name: Long Drugs Stores California, L.L.C.
Affiliation Phone: (401) 765-1500

Affiliation Type Desc: Document Preparer
Entity Name: Crystalyn Dogui-is, Agent for Longs Drug Stores California, L.L.C.

Name: CVS PHARMACY #9373
Address: 16922 BOLSA CHICA ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 109542
CERS ID: 10440133
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 109542
Site Name: CVS Pharmacy #9373
Violation Date: 10-09-2013
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send hazardous waste manifest copies to DTSC.
Violation Notes: Returned to compliance on 11/15/2013. Facility is using CAR00023556. Your EPA ID number for you facility is CAD048618441. Please cease the use of any other number then your active assigned number. To abate this violation contact your hauler to change number and send this agency verification that you are using the correct number (manifest

**CVS PHARMACY # 9373 (Continued)** **S113799993**

with the correct number or a letter indicating this has been corrected) within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 09-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: No assistant manager or manager on site. Facility requested to come back another date.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine Hazardous Waste Inspection. Met with Sean who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Tote system with flammable, toxic, corrosive, universal, and pharmaceutical waste Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Met with Humberto Huerta of CVS Stores. Consent was provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated was properly stored and labeled. -- Waste manifests for all waste streams were available for review. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The facility is in compliance.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Eval Date: | 10-09-2013 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up inspection report. It has come to this agency's attention that you are using the incorrect EPA ID number. Please correct the above violation. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-12-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Wade who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Tote system (Stericycle) Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste Emergency Response information. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 11-15-2013 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received letter from CVS. Received Correction Letter sent to DTSC on 11/12/13 for manifest #: -- 006210756 -- 006210212 Violation W008 has been corrected. All violations have been abated. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 109542 |
| Facility Name: | CVS Pharmacy #9373 |
| Env Int Type Code: | HWG |
| Program ID: | 10440133 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.715880 |
| Longitude: | -118.040810 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Verisk 3E, Regulatory Services/CVS |
| Affiliation Address: | 3207 Grey Hawk Ct., Ste. 200 |
| Affiliation City: | Carlsbad |
| Affiliation State: | CA |
| Affiliation Zip: | 92010 |
| | |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Long Drugs Stores California, L.L.C. |
| Affiliation Address: | One CVS Drive |
| Affiliation City: | Woonsocket |
| Affiliation State: | RI |
| Affiliation Country: | United States |
| Affiliation Zip: | 02895 |
| Affiliation Phone: | (401) 765-1500 |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | CVS Health |
| | |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | Longs Drug Stores California, L.L.C. |
| Affiliation Address: | 1 CVS Dr. |
| Affiliation City: | Woonsocket |
| Affiliation State: | RI |
| Affiliation Country: | United States |
| Affiliation Zip: | 02895 |
| Affiliation Phone: | (401) 765-1500 |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | CVS Health, Attn: Dianne E. Durand, Licensing, One CVS Drive G MC 1160 |
| Affiliation City: | Woonsocket |
| Affiliation State: | RI |
| Affiliation Zip: | 02895 |
| | |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Crystalyn Dogui-is, Agent for Longs Drug Stores California, L.L.C. |
| Entity Title: | Regulatory Compliance Specialist II, Verisk 3E |
| | |
| Affiliation Type Desc: | Operator |
| Entity Name: | Long Drugs Stores California, L.L.C. |
| Affiliation Phone: | (401) 765-1500 |
| | |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Crystalyn Dogui-is, Agent for Longs Drug Stores California, L.L.C. |

HAZNET:

| | |
|---|---|
| Name: | CVS PHARMACY # 9373 |
| Address: | 16922 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact: | Wendy Brant |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

Telephone: 4017651500
Mailing Address: 1 CVS DR

Year: 2012
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0675

Year: 2012
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0005

Year: 2012
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0065

Year: 2012
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.028

Year: 2012
Gepaid: CAL000366931
TSD EPA ID: CAD008364432
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1251

Year: 2011
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

Year: 2011
Gepaid: CAL000366931
TSD EPA ID: INR000110197
CA Waste Code: 311 - Pharmaceutical waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Tons: | 0.001 |
| Year: | 2011 |
| Gepaid: | CAL000366931 |
| TSD EPA ID: | INR000110197 |
| CA Waste Code: | 214 - Unspecified solvent mixture |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.001 |
| Year: | 2011 |
| Gepaid: | CAL000366931 |
| TSD EPA ID: | INR000110197 |
| CA Waste Code: | 232 - Pesticides and other waste associated with pesticide production |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.002 |

Additional Info:

| | |
|---|---|
| Year: | 2012 |
| Gen EPA ID: | CAL000366931 |
| Shipment Date: | 20120807 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120905 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0055 |
| Waste Quantity: | 11 |
| Quantity Unit: | P |
| Shipment Date: | 20120807 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0125 |
| Waste Quantity: | 25 |
| Quantity Unit: | P |
| Shipment Date: | 20120807 |
| Manifest ID: | 005433262FLE |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0065 |
| Waste Quantity: | 13 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120807 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120905 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120807 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120905 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D010 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120807 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 561 - Not reported |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Meth Code: | - Not reported |
| Quantity Tons: | 0.013 |
| Waste Quantity: | 26 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120807 |
| Creation Date: | 2/14/2013 22:15:30 |
| Receipt Date: | 20120905 |
| Manifest ID: | 005433262FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.005 |
| Waste Quantity: | 10 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120517 |
| Manifest ID: | 005015704FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120517 |
| Manifest ID: | 005015704FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120517 |
| Manifest ID: | 005015704FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2011 |
| Gen EPA ID: | CAL000366931 |
| | |
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D011 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| Additional Code 2: | D009 |
| Additional Code 3: | D007 |
| Additional Code 4: | D006 |
| | |
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 561 - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0055 |
| Waste Quantity: | 11 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.004 |
| Waste Quantity: | 8 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0115 |
| Waste Quantity: | 23 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111212 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111220 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20111212 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111212 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111220 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 232 - Pesticides and other waste associated with pesticide production |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111212 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111220 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | P001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20111212 |
| Creation Date: | 12/3/2012 22:15:48 |
| Receipt Date: | 20111220 |
| Manifest ID: | 005014744FLE |
| Trans EPA ID: | MNS000110924 |
| Trans Name: | STERICYCLE SPECIALTY WASTE SOLUTIONS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | INR000110197 |
| Trans Name: | STERICYCLE INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |

**CVS PHARMACY # 9373 (Continued)** **S113799993**

| | |
|---|---|
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |

HWTS:

| | |
|---|---|
| Name: | CVS PHARMACY # 9373 |
| Address: | 16922 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000366931 |
| Inactive Date: | 10/09/2012 |
| Create Date: | 08/29/2011 |
| Last Act Date: | 06/28/2013 |
| Mailing Address: | 1 CVS DR |
| Mailing City,State,Zip: | WOONSOCKET, RI 02895 |
| Owner Name: | LONGS DRUG STORES CALIFORNIA LLC |
| Owner Address: | 1 CVS DR |
| Owner City,State,Zip: | WOONSOCKET, RI 02895 |
| Contact Name: | Wendy Brant |
| Contact Address: | 1 CVS Drive - 02362A |
| City,State,Zip: | Woonsocket, RI 028956146 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000366931 |
| Create Date: | 2011-08-29 09:48:23.653 |
| NAICS Code: | 44611 |
| NAICS Description: | Pharmacies and Drug Stores |
| Issued EPA ID Date: | 2011-08-29 09:48:23.60700 |
| Inactive Date: | 2012-10-09 00:00:00 |
| Facility Name: | CVS PHARMACY # 9373 |
| Facility Address: | 16922 BOLSA CHICA ST |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 92649 |

---

**B44** **CAESAR'S CLEANERS** **DRYCLEANERS** **S121695495**
**NNE** **16922 BOLSA CHICA RD** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.042 mi.**
**221 ft.** **Site 17 of 17 in cluster B**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

DRYCLEAN SOUTH COAST:

| | |
|---|---|
| Name: | CAESAR'S CLEANERS |
| Address: | 16922 BOLSA CHICA RD |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 14120 |
| Application Number: | 10210A |
| Permit Number: | S07204 |
| Status: | O |
| Permit Status: | INACTIVE |
| BCAT Number: | 000234 |
| BCAT Description: | DRY CLEANING EQUIP PERCHLOROETHYLENE |
| UTM East: | 0 |
| UTM North: | 0 |
| Application Date: | 12/31/9999 |
| PO Issue Date: | 08/19/1981 |

**CAESAR'S CLEANERS (Continued)** **S121695495**

SIC Code: 7216

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**E45** **TIRE CHOICE 1646** **RCRA NonGen / NLR** **1025871654**
**ENE** **5062 WARNER AVE** **CAL000444770**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.077 mi.**
**405 ft.** **Site 1 of 5 in cluster E**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2020-03-10 00:00:00.0 |
| Handler Name: | TIRE CHOICE 1646 |
| Handler Address: | 5062 WARNER AVE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000444770 |
| Contact Name: | THOMAS GIANNONE |
| Contact Address: | HOLLEDER PKWY |
| Contact City,State,Zip: | ROCHESTER, NY 14615 |
| Contact Telephone: | 858-784-3378 |
| Contact Fax: | 585-647-0547 |
| Contact Email: | TOM.GIANNONE@MONRO.COM |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | HOLLEDER PKWY |
| Mailing City,State,Zip: | ROCHESTER, NY 14615 |
| Owner Name: | MNRO HOLDINGS LLC DBA TIRE CHOICE |
| Owner Type: | Private |
| Operator Name: | MNRO HOLDINGS LLC DBA TIRE CHOICE |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | Yes |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |

**TIRE CHOICE 1646 (Continued)** **1025871654**

| | |
|---|---|
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-03-17 18:11:16.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MNRO HOLDINGS LLC DBA TIRE CHOICE |
| Legal Status: | Private |
| Owner/Operator Address: | 200 HOLLEDER PKWY |
| Owner/Operator City,State,Zip: | ROCHESTER, NY 14615 |
| Owner/Operator Telephone: | 585-784-3378 |
| Owner/Operator Fax: | 585-750-2399 |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JOHN A HEISMAN |
| Legal Status: | Other |
| Owner/Operator Address: | 200 HOLLEDER PKWY |
| Owner/Operator City,State,Zip: | ROCHESTER, NY 14615 |
| Owner/Operator Telephone: | 585-784-3384 |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MNRO HOLDINGS LLC DBA TIRE CHOICE |
| Legal Status: | Private |
| Owner/Operator Address: | 200 HOLLEDER PKWY |
| Owner/Operator City,State,Zip: | ROCHESTER, NY 14615 |
| Owner/Operator Telephone: | 585-784-3378 |
| Owner/Operator Fax: | 585-750-2399 |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MNRO HOLDINGS LLC C/O MONRO INC |
| Legal Status: | Other |
| Owner/Operator Address: | 200 HOLLEDER PKWY |
| Owner/Operator City,State,Zip: | ROCHESTER, NY 14615 |
| Owner/Operator Telephone: | 585-784-3384 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-03-25 00:00:00.0 |
| Handler Name: CERTIFEID TIRE - 1646 | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |

**TIRE CHOICE 1646 (Continued)** **1025871654**

Receive Date: 2020-03-10 00:00:00.0
Handler Name: TIRE CHOICE 1646
Federal Waste Generator Description: Not a generator, verified
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**E46 ENE < 1/8 0.077 mi. 405 ft.** | **SCHER TIRE #12**
**5062 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**
**Site 2 of 5 in cluster E** | **CERS HAZ WASTE** **S101589435**
**CA FID UST** **N/A**
**HAZNET**
**CERS**
**HWTS**

**Relative: Lower**
**Actual: 37 ft.**

CERS HAZ WASTE:
Name: TIRE CHOICE
Address: 5062 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 17844
CERS ID: 10407103
CERS Description: Hazardous Waste Generator

CA FID UST:
Facility ID: 30012233
Regulated By: UTNKA
Facility Phone: 2134269857
Mailing Address: 6666 E WASHINGTON
Mailing City,St,Zip: HUNTINGTON BEACH 92649
Status: Active

HAZNET:
Name: SCHER TIRE #12
Address: 5062 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 926494030
Contact: RUSSELL SAMMONS
Telephone: 9513433100
Mailing Address: 3863 TYLER ST

Year: 1999

**SCHER TIRE #12 (Continued)** **S101589435**

Gepaid: CAL000025799
TSD EPA ID: CAD099452708
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.415

Year: 1998
Gepaid: CAL000025799
TSD EPA ID: CAD099452708
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.268

Year: 1998
Gepaid: CAL000025799
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.84

Year: 1998
Gepaid: CAL000025799
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.84

Year: 1997
Gepaid: CAL000025799
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 2.964

Year: 1997
Gepaid: CAL000025799
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 3.675

Year: 1996
Gepaid: CAL000025799
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 0.6255

Year: 1996
Gepaid: CAL000025799
TSD EPA ID: CAD099452708
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.079

Year: 1996
Gepaid: CAL000025799
TSD EPA ID: CAD099452708

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 16.701 |
| | |
| Year: | 1996 |
| Gepaid: | CAL000025799 |
| TSD EPA ID: | CAT080025711 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.418 |

Click this hyperlink while viewing on your computer to access
14 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAL000025799 |
| | |
| Shipment Date: | 19971122 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971122 |
| Manifest ID: | 96754324 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19971025 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971027 |
| Manifest ID: | 96754204 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.42 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19970924 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19970924 |
| Manifest ID: | 96754088 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.42 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19970731 |
| Creation Date: | 12/11/1997 0:00:00 |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Receipt Date: | 19970731 |
| Manifest ID: | 96750608 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.42 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19970627 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970627 |
| Manifest ID: | 96750492 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19970517 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970517 |
| Manifest ID: | 96037647 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.84 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19970313 |
| Creation Date: | 6/26/1997 0:00:00 |
| Receipt Date: | 19970313 |
| Manifest ID: | 96037646 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.693 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19970214 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970217 |
| Manifest ID: | 96042995 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.76 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Shipment Date: | 19970203 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970204 |
| Manifest ID: | 96042883 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.836 |
| Waste Quantity: | 220 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19970123 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970124 |
| Manifest ID: | 96042815 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.684 |
| Waste Quantity: | 180 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAL000025799 |

| | |
|---|---|
| Shipment Date: | 19991129 |
| Creation Date: | 2/1/2000 0:00:00 |
| Receipt Date: | 19991129 |
| Manifest ID: | 99109788 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19991002 |
| Creation Date: | 11/22/1999 0:00:00 |
| Receipt Date: | 19991005 |
| Manifest ID: | 99112418 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19990827 |
| Creation Date: | 10/28/1999 0:00:00 |
| Receipt Date: | 19990827 |
| Manifest ID: | 99112588 |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19990709 |
| Creation Date: | 8/19/1999 0:00:00 |
| Receipt Date: | 19990709 |
| Manifest ID: | 99109499 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19990522 |
| Creation Date: | 7/7/1999 0:00:00 |
| Receipt Date: | 19990522 |
| Manifest ID: | 98029173 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19990423 |
| Creation Date: | 5/27/1999 0:00:00 |
| Receipt Date: | 19990423 |
| Manifest ID: | 98028969 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.42 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19990326 |
| Creation Date: | 5/17/1999 0:00:00 |
| Receipt Date: | 19990326 |
| Manifest ID: | 98028868 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.63 |
| Waste Quantity: | 150 |
| Quantity Unit: | G |

**SCHER TIRE #12 (Continued)** **S101589435**

Additional Info:

| | |
|---|---|
| Year: | 1995 |
| Gen EPA ID: | CAL000025799 |
| | |
| Shipment Date: | 19951213 |
| Creation Date: | 7/29/1996 0:00:00 |
| Receipt Date: | 19951219 |
| Manifest ID: | 95281920 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19951004 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951009 |
| Manifest ID: | 95281662 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1996 |
| Gen EPA ID: | CAL000025799 |
| | |
| Shipment Date: | 19961230 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970103 |
| Manifest ID: | 96037404 |
| Trans EPA ID: | CAD981427669 |
| Trans 2 EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAT080013352 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19961212 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961213 |
| Manifest ID: | 96037321 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.684 |
| Waste Quantity: | 180 |
| Quantity Unit: | G |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Shipment Date: | 19961204 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961204 |
| Manifest ID: | 96037157 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.76 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19961120 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961120 |
| Manifest ID: | 96037114 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19961114 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961115 |
| Manifest ID: | 96037063 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.76 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19961104 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961104 |
| Manifest ID: | 96036967 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.76 |
| Waste Quantity: | 200 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19961024 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961024 |
| Manifest ID: | 96036879 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Quantity Tons: | 0.608 |
| Waste Quantity: | 160 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19961016 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961021 |
| Manifest ID: | 96036785 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19961014 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961014 |
| Manifest ID: | 96036556 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.836 |
| Waste Quantity: | 220 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19960926 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961002 |
| Manifest ID: | 96036593 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.231 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAL000025799 |
| | |
| Shipment Date: | 19981114 |
| Creation Date: | 1/13/1999 0:00:00 |
| Receipt Date: | 19981116 |
| Manifest ID: | 98029876 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| TSDF Alt EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Shipment Date: | 19980926 |
| Creation Date: | 11/19/1998 0:00:00 |
| Receipt Date: | 19980928 |
| Manifest ID: | 98029697 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19980828 |
| Creation Date: | 11/2/1998 0:00:00 |
| Receipt Date: | 19980828 |
| Manifest ID: | 98247490 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19980730 |
| Creation Date: | 9/22/1998 0:00:00 |
| Receipt Date: | 19980731 |
| Manifest ID: | 96758758 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.462 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19980530 |
| Creation Date: | 7/15/1998 0:00:00 |
| Receipt Date: | 19980601 |
| Manifest ID: | 96758537 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.42 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19980423 |
| Creation Date: | 6/16/1998 0:00:00 |
| Receipt Date: | 19980424 |
| Manifest ID: | 96754868 |
| Trans EPA ID: | CAD981427669 |
| Waste Code Description: | 135 - Unspecified aqueous solution |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.84 |
| Waste Quantity: | 200 |

**SCHER TIRE #12 (Continued)** **S101589435**

Quantity Unit: G

Shipment Date: 19980204
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980204
Manifest ID: 96754664
Trans EPA ID: CAD981427669
TSDF EPA ID: CAT080013352
Waste Code Description: 135 - Unspecified aqueous solution
Meth Code: R01 - Recycler
Quantity Tons: 0.42
Waste Quantity: 100
Quantity Unit: G

Shipment Date: 19980112
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980113
Manifest ID: 96754478
Trans EPA ID: CAD981427669
TSDF EPA ID: CAT080013352
Waste Code Description: 135 - Unspecified aqueous solution
Meth Code: R01 - Recycler
Quantity Tons: 0.42
Waste Quantity: 100
Quantity Unit: G

Additional Info:
Year: 1994
Gen EPA ID: CAL000025799

Shipment Date: 19940224
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940224
Manifest ID: 93109355
Trans EPA ID: CAD009661844
TSDF EPA ID: CAD099452708
TSDF Alt EPA ID: CAD099452708
Waste Code Description: 135 - Unspecified aqueous solution
Meth Code: R01 - Recycler
Quantity Tons: 0.21
Waste Quantity: 50
Quantity Unit: G

Additional Info:
Year: 1993
Gen EPA ID: CAL000025799

Shipment Date: 19930902
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930902
Manifest ID: 92761707
Trans EPA ID: CAT080011059
TSDF EPA ID: CAT080011059
TSDF Alt EPA ID: CAT080011059
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
Meth Code: R01 - Recycler

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Quantity Tons: | 0.924 |
| Waste Quantity: | 220 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19930625 |
| Creation Date: | 9/9/1995 0:00:00 |
| Receipt Date: | 19930625 |
| Manifest ID: | 92335194 |
| Trans EPA ID: | CAD981427669 |
| TSDF EPA ID: | CAD099452708 |
| TSDF Alt EPA ID: | CAD099452708 |
| Waste Code Description: | 223 - Unspecified oil-containing waste |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 0.688 |
| Waste Quantity: | 165 |
| Quantity Unit: | G |

CERS:

| | |
|---|---|
| Name: | TIRE CHOICE |
| Address: | 5062 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 17844 |
| CERS ID: | 10407103 |
| CERS Description: | Chemical Storage Facilities |

Violations:

| | |
|---|---|
| Site ID: | 17844 |
| Site Name: | Tire Choice |
| Violation Date: | 03-24-2014 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 03/24/2014. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 17844 |
| Site Name: | Tire Choice |
| Violation Date: | 12-30-2014 |
| Citation: | HSC 6.95 25508(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(b) |
| Violation Description: | Failure to review, revise, and recertify the business plan at least once every three years. |
| Violation Notes: | Returned to compliance on 01/29/2015. "Violation carried over from inspection on 03/24/2014 " |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

Evaluation:

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-29-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Eval Notes: | CERS accepted. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 03-17-2014 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct an annual routine Hazardous Waste Inspection. Met with Daniel who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: 240 gallon waste oil tank, 55 gallon drum of break fluid, 55 gallon drum of used oil fitters, parts washer, 55 gallon drum of used antifreeze and 55 gallon drum of used oil from filter drainage. Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-24-2014 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 07-03-2013 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This Agency received the UPC Form Owner/Operator Identification. Thank you. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 07-05-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | RTC Qualifier and Occurred on Date added to filters and filled out on this date - Violation List |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Eval Date: | 08-13-2019 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a routine hazardous waste inspection. Met with Josh Darrow of Tire Choice. Consent was provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated is kept labeled and stored closed. -- Waste manifests for all waste streams were available for review. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-15-2013 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-15-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Manifest for the pick up of hazardous waste. Violation I474 has been abated. Note: Please keep all hazardous waste on site for a period 3 years for this agency to review. Thankyou No further action needed emailed report . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 12-30-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | CERS submission on 2/6/2014 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 17844 |
| Facility Name: | Tire Choice |
| Env Int Type Code: | HWG |
| Program ID: | 10407103 |

**SCHER TIRE #12 (Continued)** **S101589435**

| | |
|---|---|
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.715240 |
| Longitude: | -118.039950 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Lauren Mitchell |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | LMDKJ, LP |
| Affiliation Address: | P.O. Box 779 |
| Affiliation City: | Tustin |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92781 |
| Affiliation Phone: | (714) 307-2210 |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | 200 Holleder Parkway |
| Affiliation City: | Rochester |
| Affiliation State: | NY |
| Affiliation Zip: | 14615 |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | MNRO Holdings, LLC |
| Affiliation Address: | 200 Holleder Parkway |
| Affiliation City: | Rochester |
| Affiliation State: | NY |
| Affiliation Country: | United States |
| Affiliation Zip: | 14615 |
| Affiliation Phone: | (585) 647-6400 |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | MNRO Holdings, LLC dba Tire Choice |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Thomas M. Giannone |
| Affiliation Address: | 200 Holleder Parkway |
| Affiliation City: | Rochester |
| Affiliation State: | NY |
| Affiliation Zip: | 14615 |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Thomas M. Giannone |
| Entity Title: | Director of Facilities |
| Affiliation Type Desc: | Operator |
| Entity Name: | Tire Choice |

**SCHER TIRE #12 (Continued)** **S101589435**

Affiliation Phone: (585) 647-6400

HWTS:

| | |
|---|---|
| Name: | SCHER TIRE #12 |
| Address: | 5062 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494030 |
| EPA ID: | CAL000025799 |
| Inactive Date: | 08/14/2006 |
| Create Date: | 05/10/1990 |
| Last Act Date: | 12/04/2006 |
| Mailing Address: | 3863 TYLER ST |
| Mailing City,State,Zip: | RIVERSIDE, CA 925033430 |
| Owner Name: | BRUCE SCHER |
| Owner Address: | 3863 TYLER ST |
| Owner City,State,Zip: | RIVERSIDE, CA 925033430 |
| Contact Name: | RUSSELL SAMMONS |
| Contact Address: | 3863 TYLER ST |
| City,State,Zip: | RIVERSIDE, CA 925033430 |

---

**E47** **SCHER TIRE** **UST** **U003879912**
**ENE** **5062 WARNER AVE** **SWEEPS UST** **N/A**
**< 1/8** **HUNTINGTON BEACH, CA 92649**
**0.077 mi.**
**405 ft.** **Site 3 of 5 in cluster E**

**Relative:**
**Lower**

**Actual:**
**37 ft.**

UST:

| | |
|---|---|
| Name: | SCHER TIRE |
| Address: | 5062 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 9853 |
| Permitting Agency: | ORANGE COUNTY |
| Latitude: | 33.7163346 |
| Longitude: | -118.0388715 |

SWEEPS UST:

| | |
|---|---|
| Name: | SCHER TIRE |
| Address: | 5062 WARNER AVE |
| City: | HUNTINGTON BEACH |
| Status: | Active |
| Comp Number: | 9853 |
| Number: | 9 |
| Board Of Equalization: | 44-016786 |
| Referral Date: | 09-30-92 |
| Action Date: | 09-15-92 |
| Created Date: | 02-29-88 |
| SWRCB Tank Id: | 30-000-009853-000001 |
| Tank Status: | A |
| Capacity: | 550 |
| Tank Use: | PETROLEUM |
| STG: | P |
| Number Of Tanks: | 1 |

**E48 ENE < 1/8 0.077 mi. 405 ft.** | **CERTIFIED TIRE & SERVICE CENTERS** | **RCRA NonGen / NLR** | **1024836852**
**5062 WARNER AVE** | **CAL000381276**
**HUNTINGTON BEACH, CA 92649**

**Site 4 of 5 in cluster E**

**Relative: Lower**
**Actual: 37 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2018-07-26 00:00:00.0 |
| Handler Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Handler Address: | 5062 WARNER AVE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000381276 |
| Contact Name: | JOSH DARROW |
| Contact Address: | IOWA AVE |
| Contact City,State,Zip: | RIVERSIDE, CA 92507 |
| Contact Telephone: | 951-369-0025 |
| Contact Fax: | 951-369-0690 |
| Contact Email: | JOSHDARROW@CERTIFIEDTIRE.COM |
| Contact Title: | SUPERVISOR |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Mailing Address: | IOWA AVE |
| Mailing City,State,Zip: | RIVERSIDE, CA 92507 |
| Owner Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Owner Type: | Private |
| Operator Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |

**CERTIFIED TIRE & SERVICE CENTERS (Continued)** **1024836852**

| | |
|---|---|
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2018-07-26 18:31:37.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Legal Status: | Private |
| Owner/Operator Address: | 1875 IOWA AVE |
| Owner/Operator City,State,Zip: | RIVERSIDE, CA 92507 |
| Owner/Operator Telephone: | 951-369-0025 |
| Owner/Operator Fax: | 951-369-0690 |
| Owner/Operator Email: | MSCHOOF@CERTIFIEDTIRE.COM |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Legal Status: | Private |
| Owner/Operator Address: | 1875 IOWA AVE |
| Owner/Operator City,State,Zip: | RIVERSIDE, CA 92507 |
| Owner/Operator Telephone: | 951-369-0025 |
| Owner/Operator Fax: | 951-369-0690 |
| Owner/Operator Email: | MSCHOOF@CERTIFIEDTIRE.COM |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-07-26 00:00:00.0 |
| Handler Name: | CERTIFIED TIRE & SERVICE CENTERS |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 811111 |
| NAICS Description: | GENERAL AUTOMOTIVE REPAIR |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**49 SW < 1/8 0.111 mi. 584 ft.** | **MEI LING LIU**
**4861 CURTIS CIR**
**HUNTINGTON BEACH, CA 92649** | **RCRA NonGen / NLR** | **1025846749**
**CAC003026697**

**Relative: Higher**

**Actual: 49 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 2019-07-30 00:00:00.0 |
| Handler Name: | MEI LING LIU | |
| Handler Address: | | 4861 CURTIS CIR |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649-4313 |
| EPA ID: | | CAC003026697 |
| Contact Name: | | MEI LING LIU |
| Contact Address: | | 4861 CURTIS CIR |
| Contact City,State,Zip: | | HUNTINGTON BEACH, CA 92649-4313 |
| Contact Telephone: | | 714-369-6112 |
| Contact Email: | | NANCYRUIZ@ALLIANCE-ENVIRO.COM |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Not a generator, verified |
| Mailing Address: | | 4861 CURTIS CIR |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92649-4313 |
| Owner Name: | | MEI LING LIU |
| Owner Type: | | Other |
| Operator Name: | | MEI LING LIU |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | N |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |
| Significant Non-Complier With a Compliance Schedule Universe: | | No |
| Handler Date of Last Change: | | 2019-09-10 15:06:14.0 |

**MEI LING LIU (Continued)** **1025846749**

| | |
|---|---|
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MEI LING LIU |
| Legal Status: | Other |
| Owner/Operator Address: | 4861 CURTIS CIR |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649-4313 |
| Owner/Operator Telephone: | 714-369-6112 |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MEI LING LIU |
| Legal Status: | Other |
| Owner/Operator Address: | 4861 CURTIS CIR |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649-4313 |
| Owner/Operator Telephone: | 714-369-6112 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-07-30 00:00:00.0 |
| Handler Name: MEI LING LIU | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**50 North < 1/8 0.122 mi. 646 ft.** | **CHARLES & FAYE CRUZAT**
**4931 CHARLENE CIR**
**HUNTINGTON BEACH, CA 92649** | **RCRA NonGen / NLR** | **1025845304**
**CAC003024926**

**Relative: Lower**

**Actual: 33 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2019-07-19 00:00:00.0 |
| Handler Name: | CHARLES & FAYE CRUZAT |
| Handler Address: | 4931 CHARLENE CIR |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649-3544 |
| EPA ID: | CAC003024926 |
| Contact Name: | CHARLES & FAYE CRUZAT |
| Contact Address: | 14340 BOLSA CHICA RD SUITE J |
| Contact City,State,Zip: | WESTMINSTER, CA 92683-4868 |
| Contact Telephone: | 714-658-5601 |
| Contact Email: | GENEVADEGUIRE@ALLIANCE-ENVIRO.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 14340 BOLSA CHICA RD SUITE J |
| Mailing City,State,Zip: | WESTMINSTER, CA 92683-4868 |
| Owner Name: | CHARLES & FAYE CRUZAT |
| Owner Type: | Other |
| Operator Name: | CHARLES & FAYE CRUZAT |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |

**CHARLES & FAYE CRUZAT (Continued)** **1025845304**

| | |
|---|---|
| Handler Date of Last Change: | 2019-07-29 17:13:15.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CHARLES & FAYE CRUZAT |
| Legal Status: | Other |
| Owner/Operator Address: | 14340 BOLSA CHICA RD SUITE J |
| Owner/Operator City,State,Zip: | WESTMINSTER, CA 92683-4868 |
| Owner/Operator Telephone: | 714-658-5601 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CHARLES & FAYE CRUZAT |
| Legal Status: | Other |
| Owner/Operator Address: | 14340 BOLSA CHICA RD SUITE J |
| Owner/Operator City,State,Zip: | WESTMINSTER, CA 92683-4868 |
| Owner/Operator Telephone: | 714-658-5601 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-07-19 00:00:00.0 |
| Handler Name: CHARLES & FAYE CRUZAT | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**E51 ENE 1/8-1/4 0.127 mi. 671 ft.** | **GRACIELA K SULLIVAN DDS INC**
**5112 WARNER AVE STE 104**
**HUNTINGTON BEACH, CA 92649**

**RCRA NonGen / NLR** | **1024870908**
**CAL000439551**

**Site 5 of 5 in cluster E**

**Relative: Lower**
**Actual: 38 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2018-10-01 00:00:00.0 |
| Handler Name: | GRACIELA K SULLIVAN DDS INC |
| Handler Address: | 5112 WARNER AVE STE 104 |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAL000439551 |
| Contact Name: | GRACIELA SULLIVAN |
| Contact Address: | 5112 WARNER AVE STE 104 |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 714-377-2628 |
| Contact Fax: | 714-377-0090 |
| Contact Email: | K2ODETTE@AOL.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 5112 WARNER AVE STE 104 |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | GRACIELA SULLIVAN |
| Owner Type: | Other |
| Operator Name: | GRACIELA SULLIVAN |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |

**GRACIELA K SULLIVAN DDS INC (Continued)** **1024870908**

| | |
|---|---|
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2018-11-20 16:31:51.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GRACIELA SULLIVAN |
| Legal Status: | Other |
| Owner/Operator Address: | 5112 WARNER AVE STE 104 |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-235-0796 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GRACIELA SULLIVAN |
| Legal Status: | Other |
| Owner/Operator Address: | 5112 WARNER AVE STE 104 |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-377-2628 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-10-01 00:00:00.0 |
| Handler Name: | GRACIELA K SULLIVAN DDS INC |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 446199 |
| NAICS Description: | ALL OTHER HEALTH AND PERSONAL CARE STORES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**52 NNW 1/8-1/4 0.138 mi. 731 ft.** | **CHARLES CRUZAT**
**16871 GREEN LN**
**HUNTINGTON BEACH, CA 92649** | **RCRA NonGen / NLR** | **1025856108**
**CAC003036412**

**Relative: Lower**
**Actual: 32 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 2019-10-01 00:00:00.0 |
| Handler Name: | CHARLES CRUZAT | |
| Handler Address: | | 16871 GREEN LN |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAC003036412 |
| Contact Name: | | CHARLES CRUZAT |
| Contact Address: | | 14340 BOLSA CHICA RD |
| Contact City,State,Zip: | | WESTMINSTER, CA 92683 |
| Contact Telephone: | | 714-658-5601 |
| Contact Email: | | TAMMYHURLEY@ALLIANCE-ENVIRO.COM |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Not a generator, verified |
| Mailing Address: | | 14340 BOLSA CHICA RD |
| Mailing City,State,Zip: | | WESTMINSTER, CA 92683 |
| Owner Name: | | CHARLES CRUZAT |
| Owner Type: | | Other |
| Operator Name: | | CHARLES CRUZAT |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | N |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |
| Significant Non-Complier With a Compliance Schedule Universe: | | No |
| Handler Date of Last Change: | | 2019-10-04 16:30:48.0 |

**CHARLES CRUZAT (Continued)** **1025856108**

| | |
|---|---|
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CHARLES CRUZAT |
| Legal Status: | Other |
| Owner/Operator Address: | 14340 BOLSA CHICA RD |
| Owner/Operator City,State,Zip: | WESTMINSTER, CA 92683 |
| Owner/Operator Telephone: | 714-658-5601 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CHARLES CRUZAT |
| Legal Status: | Other |
| Owner/Operator Address: | 14340 BOLSA CHICA RD |
| Owner/Operator City,State,Zip: | WESTMINSTER, CA 92683 |
| Owner/Operator Telephone: | 714-658-5601 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-10-01 00:00:00.0 |
| Handler Name: CHARLES CRUZAT | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**F53 ENE 1/8-1/4 0.170 mi. 898 ft.** | **MEADOWLARK AIRPORT**
**5141 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**

**Site 1 of 6 in cluster F**

**LUST** **1004440079**
**UST** **N/A**
**Cortese**

**Relative: Lower**

**Actual: 36 ft.**

LUST REG 8:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Case Closed |
| Case Number: | 083001529T |
| Local Case Num: | 90UT110 |
| Case Type: | Soil only |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605901169 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 4/5/1990 |
| Close Date: | 7/22/1994 |
| Oversite Program: | LUST |
| Latitude: | 33.7156668 |
| Longitude: | -118.0392479 |
| MTBE Concentration: | 0 |
| MTBE Fuel: | 1 |
| MTBE Tested: | Site NOT Tested for MTBE.Includes Unknown and Not Analyzed. |
| MTBE Class: | * |
| Staff: | VJJ |
| Staff Initials: | AR |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

UST:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 5068 |
| Permitting Agency: | ORANGE COUNTY |
| Latitude: | 33.7170749 |
| Longitude: | -118.037336 |

CORTESE:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Global ID: | T0605901169 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | COMPLETED - CASE CLOSED |

**MEADOWLARK AIRPORT (Continued)** **1004440079**

Flag: active
File Name: Active Open

---

**F54** **MEADOWLARK AIRPORT** **HIST UST** **U001577354**
**ENE** **5141 WARNER** **N/A**
**1/8-1/4** **HUNTINGTON BEACH, CA 92649**
**0.170 mi.**
**898 ft.** **Site 2 of 6 in cluster F**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

HIST UST:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| File Number: | 0002EB33 |
| URL: | http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EB33.pdf |
| Region: | STATE |
| Facility ID: | 00000038580 |
| Facility Type: | Other |
| Other Type: | AIRPORT |
| Contact Name: | ART NERIO |
| Telephone: | 7148401122 |
| Owner Name: | MEADOWLARK AIRPORT |
| Owner Address: | 5141 WARNER |
| Owner City,St,Zip: | HUNTINGTON BEACH, CA 92649 |
| Total Tanks: | 0002 |
| | |
| Tank Num: | 001 |
| Container Num: | 1 |
| Tank Capacity: | 00005000 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | WASTE OIL |
| Leak Detection: | Visual, Stock Inventor |
| | |
| Tank Num: | 002 |
| Container Num: | 2 |
| Tank Capacity: | 00009900 |
| Tank Used for: | PRODUCT |
| Type of Fuel: | 06 |
| Leak Detection: | Visual, Stock Inventor |

Click here for Geo Tracker PDF:

---

**F55** **MEADOWLARK AIRPORT** **LUST** **1001262437**
**ENE** **5141 WARNER** **HIST CORTESE** **N/A**
**1/8-1/4** **HUNTINGTON BEACH, CA 92649** **CERS**
**0.170 mi.**
**898 ft.** **Site 3 of 6 in cluster F**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

ORANGE CO. LUST:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | ORANGE |
| Facility Id: | 90UT110 |
| Released Substance: | Gasoline-Automotive (motor gasoline and additives), leaded & unleaded |
| Date Closed: | 07/22/1994 |

**MEADOWLARK AIRPORT (Continued)** **1001262437**

Record ID: RO0001994

LUST:

| | |
|---|---|
| Name: | MEADOWLARK AIRPORT |
| Address: | 5141 WARNER |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901169 |
| Global Id: | T0605901169 |
| Latitude: | 33.715683 |
| Longitude: | -118.038682 |
| Status: | Completed - Case Closed |
| Status Date: | 07/22/1994 |
| Case Worker: | GH |
| RB Case Number: | 083001529T |
| Local Agency: | ORANGE COUNTY LOP |
| File Location: | Local Agency |
| Local Case Number: | 90UT110 |
| Potential Media Affect: | Soil |
| Potential Contaminants of Concern: | Gasoline |

LUST:

| | |
|---|---|
| Global Id: | T0605901169 |
| Contact Type: | Local Agency Caseworker |
| Contact Name: | GENIECE HIGGINS |
| Organization Name: | ORANGE COUNTY LOP |
| Address: | 1241 EAST DYER ROAD SUITE 120 |
| City: | SANTA ANA |
| Email: | ghiggins@ochca.com |
| Phone Number: | 7144336260 |

| | |
|---|---|
| Global Id: | T0605901169 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | VALERIE JAHN-BULL |
| Organization Name: | SANTA ANA RWQCB (REGION 8) |
| Address: | 3737 MAIN STREET, SUITE 500 |
| City: | RIVERSIDE |
| Email: | valerie.jahn-bull@waterboards.ca.gov |
| Phone Number: | 9517824903 |

LUST:

| | |
|---|---|
| Global Id: | T0605901169 |
| Action Type: | REMEDIATION |
| Date: | 04/01/1993 |
| Action: | Other (Use Description Field) |

| | |
|---|---|
| Global Id: | T0605901169 |
| Action Type: | ENFORCEMENT |
| Date: | 07/31/2020 |
| Action: | Historic Files |

| | |
|---|---|
| Global Id: | T0605901169 |
| Action Type: | Other |
| Date: | 04/05/1990 |
| Action: | Leak Discovery |

**MEADOWLARK AIRPORT (Continued)** **1001262437**

Global Id: T0605901169
Action Type: Other
Date: 04/05/1990
Action: Leak Reported

LUST:
Global Id: T0605901169
Status: Open - Case Begin Date
Status Date: 04/05/1990

Global Id: T0605901169
Status: Completed - Case Closed
Status Date: 07/22/1994

HIST CORTESE:
edr_fname: MEADOWLARK AIRPORT
edr_fadd1: 5141 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001529T

CERS:
Name: MEADOWLARK AIRPORT
Address: 5141 WARNER
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 208645
CERS ID: T0605901169
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Phone: 9517824903

Affiliation Type Desc: Local Agency Caseworker
Entity Name: GENIECE HIGGINS - ORANGE COUNTY LOP
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Phone: 7144336260

**G56 WNW 1/8-1/4 0.192 mi. 1013 ft.** | **CHERNEY, MICHAEL**
**16902 LYNN STREET**
**HUNTINGTON BEACH, CA 92649**

**Site 1 of 3 in cluster G**

**RCRA NonGen / NLR** | **1024769008**
**CAC002988896**

**Relative: Lower**
**Actual: 32 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 2018-11-12 00:00:00.0 |
| Handler Name: | CHERNEY, MICHAEL | |
| Handler Address: | | 16902 LYNN STREET |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAC002988896 |
| Contact Name: | | CHERNEY, MICHAEL |
| Contact Address: | | 16902 LYNN STREET |
| Contact City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | | 714-305-7108 |
| Contact Email: | | ANDREWC@PWSEI.COM |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Not a generator, verified |
| Active Site Indicator: | | Handler Activities |
| Mailing Address: | | 16902 LYNN STREET |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | | CHERNEY, MICHAEL |
| Owner Type: | | Other |
| Operator Name: | | CHERNEY, MICHAEL |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | Yes |
| Universal Waste Destination Facility: | | Yes |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | N |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | | No |
| Corrective Action Priority Ranking: | | No NCAPS ranking |
| Environmental Control Indicator: | | No |
| Institutional Control Indicator: | | No |
| Human Exposure Controls Indicator: | | N/A |
| Groundwater Controls Indicator: | | N/A |
| Significant Non-Complier Universe: | | No |
| Unaddressed Significant Non-Complier Universe: | | No |
| Addressed Significant Non-Complier Universe: | | No |
| Significant Non-Complier With a Compliance Schedule Universe: | | No |

**CHERNEY, MICHAEL (Continued)** **1024769008**

| | |
|---|---|
| Handler Date of Last Change: | 2018-11-20 16:31:05.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CHERNEY, MICHAEL |
| Legal Status: | Other |
| Owner/Operator Address: | 16902 LYNN STREET |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-305-7108 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CHERNEY, MICHAEL |
| Legal Status: | Other |
| Owner/Operator Address: | 16902 LYNN STREET |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-305-7108 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-11-12 00:00:00.0 |
| Handler Name: CHERNEY, MICHAEL | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**57 NE 1/8-1/4 0.193 mi. 1019 ft.**

**Relative: Lower**

**Actual: 33 ft.**

**MEADOWLARK CLEANERS**
**5225 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**

**RCRA-SQG**
**CERS HAZ WASTE**
**FINDS**
**ECHO**
**DRYCLEANERS**
**HAZNET**
**CERS**
**HWTS**

**1000985109**
**CAR000002204**

RCRA-SQG:

| | |
|---|---|
| Date Form Received by Agency: | 1995-04-25 00:00:00.0 |
| Handler Name: | MEADOWLARK CLEANERS |
| Handler Address: | 5225 WARNER AVE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAR000002204 |
| Contact Name: | KURT KLATT |
| Contact Address: | 5225 WARNER AVE |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 714-377-9511 |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Small Quantity Generator |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | WARNER AVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | KURT AND KATHEY KLATT |
| Owner Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2000-09-15 17:30:52.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | KURT AND KATHEY KLATT |
| Legal Status: | Private |
| Owner/Operator Address: | 5225 WARNER AVE |
| Owner/Operator City,State,Zip: | HUNTINTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-377-9511 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1995-04-25 00:00:00.0 |
| Handler Name: MEADOWLARK CLEANERS | |
| Federal Waste Generator Description: | Small Quantity Generator |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

CERS HAZ WASTE:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 409962 |
| CERS ID: | 10541947 |
| CERS Description: | Hazardous Waste Generator |

FINDS:

Registry ID: 110002905624

Click Here:

Environmental Interest/Information System:

**MEADOWLARK CLEANERS (Continued)** **1000985109**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000985109 |
| Registry ID: | 110002905624 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002905624 |
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

DRYCLEAN SOUTH COAST:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 104137 |
| Application Number: | 300665 |
| Permit Number: | D88746 |
| Status: | S |
| Representative Name: | KURT C KLATT |
| Representative Telephone: | 714 5543222 |
| Permit Status: | ACTIVE |
| BCAT Number: | 000601 |
| BCAT Description: | DRY CLEANING, DRY-TO-DRY NON-VENT, PERC |
| CCAT Number: | 04 |
| CCAT Description: | VAPOR RECOVERY UNIT COMPRESS & CONDENSE |
| UTM East: | 403.86499023 |
| UTM North: | 3730.8969727 |
| Application Date: | 02/08/1995 |
| PO Issue Date: | 02/28/1995 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

DRYCLEANERS:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA Id: | CAR000002204 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| SIC Code: | 7211 |
| SIC Description: | Power Laundries, Family and Commercial |
| Create Date: | 12/08/1995 |
| Facility Active: | Yes |
| Owner Name: | NAGUI ALEX IBRAHIM |
| Owner Address: | 8728 HUDSON RIVER CIR |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Owner Telephone: | 7144251211 |
| Contact Name: | NAGUI (ALEX) IBRAHIM |
| Contact Address: | 5225 WARNER AVE |
| Contact Telephone: | 7143779511 |
| Mailing Address 1: | 5225 WARNER AVE |
| Mailing City: | HUNTINGTON BEACH |
| Mailing State: | CA |
| Mailing Zip: | 926494060 |
| Region Code: | 4 |

HAZNET:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| Contact: | NAGUI (ALEX) IBRAHIM |
| Telephone: | 7143779511 |
| Mailing Address: | 5225 WARNER AVE |
| | |
| Year: | 2008 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008364432 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.405 |
| | |
| Year: | 2007 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008364432 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.0875 |
| | |
| Year: | 2006 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008364432 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.2 |
| | |
| Year: | 2005 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008364432 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.4645 |
| | |
| Year: | 2004 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.22935 |
| | |
| Year: | 2004 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008364432 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.3 |
| | |
| Year: | 2004 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.15 |
| | |
| Year: | 2003 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) |
| Disposal Method: | - |
| | |
| Year: | 2003 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.68805 |
| | |
| Year: | 2002 |
| Gepaid: | CAR000002204 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc) |
| Disposal Method: | - |

Click this hyperlink while viewing on your computer to access
11 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 2005 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 20050706 |
| Creation Date: | 10/11/2005 18:31:29 |
| Receipt Date: | 20050706 |
| Manifest ID: | 23785636 |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM CORPORATION |
| TSDF Alt EPA ID: | CAD008364432 |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.25 |
| Waste Quantity: | 500 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 20050429 |
| Creation Date: | 7/21/2005 18:32:26 |
| Receipt Date: | 20050429 |
| Manifest ID: | 24586005 |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM CORPORATION |
| TSDF Alt EPA ID: | CAD008364432 |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | NA |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1815 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20050429 |
| Creation Date: | 7/21/2005 18:32:26 |
| Receipt Date: | 20050429 |
| Manifest ID: | 24586005 |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM CORPORATION |
| TSDF Alt EPA ID: | CAD008364432 |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | NA |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.033 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1995 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 19950712 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950712 |
| Manifest ID: | 95624043 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2004 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 20041220 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Creation Date: | 3/13/2007 18:30:28 |
| Manifest ID: | 23786113 |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO-CHEM CORPORATION |
| TSDF Alt EPA ID: | CAD008364432 |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | NA |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.3 |
| Waste Quantity: | 600 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20040223 |
| Creation Date: | 1/5/2007 18:31:00 |
| Receipt Date: | 20040304 |
| Manifest ID: | 22930008 |
| Trans EPA ID: | CAR000036921 |
| Trans Name: | CONSOLIDATED WESTERN LLC |
| TSDF EPA ID: | CAD008302903 |
| Trans Name: | ONYX ENVIRONMENTAL SERVICES |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 20040223 |
| Creation Date: | 1/5/2007 18:31:00 |
| Receipt Date: | 20040304 |
| Manifest ID: | 22930008 |
| Trans EPA ID: | CAR000036921 |
| Trans Name: | CONSOLIDATED WESTERN LLC |
| TSDF EPA ID: | CAD008302903 |
| Trans Name: | ONYX ENVIRONMENTAL SERVICES |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2003 |
| Gen EPA ID: | CAR000002204 |

| | |
|---|---|
| Shipment Date: | 20030709 |
| Creation Date: | 7/23/2004 9:17:32 |
| Receipt Date: | 20030721 |
| Manifest ID: | 22414608 |
| Trans EPA ID: | CAR000036921 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20030709 |
| Creation Date: | 7/23/2004 9:17:32 |
| Receipt Date: | 20030721 |
| Manifest ID: | 22414608 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20030128 |
| Creation Date: | 5/13/2003 18:32:19 |
| Receipt Date: | 20030130 |
| Manifest ID: | 22625254 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| | |
| Shipment Date: | 20030128 |
| Creation Date: | 5/13/2003 18:32:19 |
| Receipt Date: | 20030130 |
| Manifest ID: | 22625254 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 1996 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 19960610 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19960610 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Manifest ID: | 96128240 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19960318 |
| Creation Date: | 10/16/1996 0:00:00 |
| Receipt Date: | 19960318 |
| Manifest ID: | 95523957 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2001 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 20010816 |
| Creation Date: | 11/1/2001 0:00:00 |
| Receipt Date: | 20010822 |
| Manifest ID: | 21163831 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20010816 |
| Creation Date: | 11/1/2001 0:00:00 |
| Receipt Date: | 20010822 |
| Manifest ID: | 21163831 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2293 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Shipment Date: | 20010222 |
| Creation Date: | 4/30/2001 0:00:00 |
| Receipt Date: | 20010226 |
| Manifest ID: | 20057917 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |

| | |
|---|---|
| Shipment Date: | 20010222 |
| Creation Date: | 4/30/2001 0:00:00 |
| Receipt Date: | 20010226 |
| Manifest ID: | 20057917 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2293 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 20010105 |
| Creation Date: | 3/22/2001 0:00:00 |
| Receipt Date: | 20010116 |
| Manifest ID: | 20589544 |
| Trans EPA ID: | CAD983657719 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |

| | |
|---|---|
| Shipment Date: | 20010105 |
| Creation Date: | 3/22/2001 0:00:00 |
| Receipt Date: | 20010116 |
| Manifest ID: | 20589544 |
| Trans EPA ID: | CAD983657719 |
| TSDF EPA ID: | CAD008302903 |
| TSDF Alt EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1876 |
| Waste Quantity: | 45 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

Quantity Unit: G

Additional Info:
Year: 2008
Gen EPA ID: CAR000002204

Shipment Date: 20080917
Creation Date: 11/3/2008 18:30:18
Receipt Date: 20080918
Manifest ID: 002940808JJK
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.205
Waste Quantity: 410
Quantity Unit: P

Shipment Date: 20080123
Creation Date: 3/12/2008 18:30:24
Receipt Date: 20080124
Manifest ID: 002934495JJK
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM CORPORATION
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM CORPORATION
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Additional Info:
Year: 2006
Gen EPA ID: CAR000002204

Shipment Date: 20060503
Creation Date: 8/10/2006 18:36:07
Receipt Date: 20060503
Manifest ID: 24956581
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM CORPORATION
TSDF Alt EPA ID: CAD008364432
Waste Code Description: 331 - Off-specification, aged, or surplus organics
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

**MEADOWLARK CLEANERS (Continued)** **1000985109**

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 19970718 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970721 |
| Manifest ID: | 96743579 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2107 |
| Waste Quantity: | 0.25 |
| Quantity Unit: | Y |
| | |
| Shipment Date: | 19970718 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970721 |
| Manifest ID: | 96743579 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1584 |
| Waste Quantity: | 38 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19970122 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970123 |
| Manifest ID: | 96712116 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | - Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| | |
| Shipment Date: | 19970122 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19970123 |
| Manifest ID: | 96712116 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1959 |
| Waste Quantity: | 47 |
| Quantity Unit: | G |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 19991119 |
| Creation Date: | 8/1/2000 0:00:00 |
| Receipt Date: | 19991122 |
| Manifest ID: | 99717396 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2107 |
| Waste Quantity: | 0.25 |
| Quantity Unit: | Y |
| | |
| Shipment Date: | 19991119 |
| Creation Date: | 8/1/2000 0:00:00 |
| Receipt Date: | 19991122 |
| Manifest ID: | 99717396 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1751 |
| Waste Quantity: | 42 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19990708 |
| Creation Date: | 12/16/1999 0:00:00 |
| Receipt Date: | 19990709 |
| Manifest ID: | 99300441 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| | |
| Shipment Date: | 19990708 |
| Creation Date: | 12/16/1999 0:00:00 |
| Receipt Date: | 19990709 |
| Manifest ID: | 99300441 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Quantity Tons: | 0.1668 |
| Waste Quantity: | 40 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19990319 |
| Creation Date: | 8/16/1999 0:00:00 |
| Receipt Date: | 19990322 |
| Manifest ID: | 99183537 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| | |
| Shipment Date: | 19990319 |
| Creation Date: | 8/16/1999 0:00:00 |
| Receipt Date: | 19990322 |
| Manifest ID: | 99183537 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.1959 |
| Waste Quantity: | 47 |
| Quantity Unit: | G |

Additional Info:

| | |
|---|---|
| Year: | 2007 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 20070711 |
| Creation Date: | 11/5/2007 18:30:36 |
| Receipt Date: | 20070712 |
| Manifest ID: | 002974781JJK |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM CORPORATION |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM CORPORATION |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0875 |
| Waste Quantity: | 175 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAR000002204 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Shipment Date: | 19981118 |
| Creation Date: | 3/15/1999 0:00:00 |
| Receipt Date: | 19981119 |
| Manifest ID: | 98461659 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2293 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19981118 |
| Creation Date: | 3/15/1999 0:00:00 |
| Receipt Date: | 19981119 |
| Manifest ID: | 98461659 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2107 |
| Waste Quantity: | 0.25 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 19980701 |
| Creation Date: | 11/5/1998 0:00:00 |
| Receipt Date: | 19980702 |
| Manifest ID: | 98126069 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2107 |
| Waste Quantity: | 0.25 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 19980701 |
| Creation Date: | 11/5/1998 0:00:00 |
| Receipt Date: | 19980702 |
| Manifest ID: | 98126069 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2293 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

| | |
|---|---|
| Shipment Date: | 19980113 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Creation Date: | 4/16/1998 0:00:00 |
| Receipt Date: | 19980114 |
| Manifest ID: | 97316795 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2085 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 19980113 |
| Creation Date: | 4/16/1998 0:00:00 |
| Receipt Date: | 19980114 |
| Manifest ID: | 97316795 |
| Trans EPA ID: | CAD981414386 |
| TSDF EPA ID: | CAD981397417 |
| TSDF Alt EPA ID: | CAD981397417 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.2107 |
| Waste Quantity: | 0.25 |
| Quantity Unit: | Y |

Additional Info:

| | |
|---|---|
| Year: | 2002 |
| Gen EPA ID: | CAR000002204 |
| | |
| Shipment Date: | 20021125 |
| Creation Date: | 4/1/2003 18:31:07 |
| Receipt Date: | 20021204 |
| Manifest ID: | 22218055 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.4587 |
| Waste Quantity: | 110 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20021125 |
| Creation Date: | 4/1/2003 18:31:07 |
| Receipt Date: | 20021204 |
| Manifest ID: | 22218055 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 20021010 |
| Creation Date: | 2/6/2003 18:31:16 |
| Receipt Date: | 20021014 |
| Manifest ID: | 22220995 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20021010 |
| Creation Date: | 2/6/2003 18:31:16 |
| Receipt Date: | 20021014 |
| Manifest ID: | 22220995 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20020815 |
| Creation Date: | 3/14/2003 18:31:30 |
| Receipt Date: | 20020819 |
| Manifest ID: | 21925003 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.417 |
| Waste Quantity: | 100 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20020625 |
| Creation Date: | 2/7/2003 18:31:14 |
| Receipt Date: | 20020701 |
| Manifest ID: | 21924143 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20020625 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Creation Date: | 2/7/2003 18:31:14 |
| Receipt Date: | 20020701 |
| Manifest ID: | 21924143 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1 |
| Waste Quantity: | 200 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20020201 |
| Creation Date: | 9/9/2002 14:21:41 |
| Receipt Date: | 20020208 |
| Manifest ID: | 21716395 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.075 |
| Waste Quantity: | 150 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20020201 |
| Creation Date: | 9/9/2002 14:21:41 |
| Receipt Date: | 20020208 |
| Manifest ID: | 21716395 |
| Trans EPA ID: | CAR000036921 |
| TSDF EPA ID: | CAD008302903 |
| Waste Code Description: | 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc. |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |

CERS:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 409962 |
| CERS ID: | 10541947 |
| CERS Description: | Chemical Storage Facilities |

Violations:

| | |
|---|---|
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Violation Date: | 03-02-2016 |
| Citation: | HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2 |
| Violation Description: | Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Violation Notes: | Returned to compliance on 03/21/2016. Violation closed. Elevated to Class II NOV Letter, failure to submit annual inventory submittal/certification. |
| Violation Division: | Huntington Beach Fire Department |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Violation Date: | 07-16-2013 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 03/05/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Violation Date: | 10-23-2014 |
| Citation: | HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4) |
| Violation Description: | Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years. |
| Violation Notes: | Returned to compliance on 03/05/2015. "Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training. 19 CCR 4 2732(b); HSC 6.95 25504(c) " |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Violation Date: | 03-21-2016 |
| Citation: | HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507 |
| Violation Description: | Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities. |
| Violation Notes: | Returned to compliance on 04/05/2016. NOV 2nd Letter, failure to submit annual 2016 on-line inventory submittal / certification. 4/5/16 - online submission received. |
| Violation Division: | Huntington Beach Fire Department |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Violation Date: | 03-24-2014 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| | Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 07/23/2014. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

Evaluation:

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 07-16-2013 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 08-01-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Esubmit rejected |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 08-28-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-23-2014 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Elevated to Class II. Letter mailed. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-30-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Second notice to comply for declined submission |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 02-10-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Alex who explained the process, escorted me through the site and gave consent |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

to enter/inspect. Facility contains: 55 gallon drum of green earth sludge Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste Emergency Response information. Verified [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-02-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Huntington Beach Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-04-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: HMBP not certified by March 1 - Mailed Late Notice Letter.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-21-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Huntington Beach Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Division: Huntington Beach Fire Department
Eval Program: HMRRP
Eval Source: CERS

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 06-12-2019 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Met with Alex Idrahim of Meadowlark Cleaners. The following was observed: - Hazardous waste (waste hydrocarbon solvent/filters) was observed properly stored and labeled. - Hazardous waste manifests were available for review. - Veolia is the registered hauler. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

Enforcement Action:

| | |
|---|---|
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Site Address: | 5225 WARNER AVE |
| Site City: | HUNTINGTON BEACH |
| Site Zip: | 92649 |
| Enf Action Date: | 03-02-2016 |
| Enf Action Type: | Notice of Violation (Unified Program) |
| Enf Action Description: | Notice of Violation Issued by the Inspector at the Time of Inspection |
| Enf Action Notes: | Annual online inventory submitted 4/5/2016. |
| Enf Action Division: | Huntington Beach Fire Department |
| Enf Action Program: | HMRRP |
| Enf Action Source: | CERS |

| | |
|---|---|
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Site Address: | 5225 WARNER AVE |
| Site City: | HUNTINGTON BEACH |
| Site Zip: | 92649 |
| Enf Action Date: | 03-02-2016 |
| Enf Action Type: | Notice of Violation (Unified Program) |
| Enf Action Description: | Notice of Violation Issued by the Inspector at the Time of Inspection |
| Enf Action Notes: | NOV Letter, failure to submit 2016 annual on-line inventory submittal/certification. |
| Enf Action Division: | Huntington Beach Fire Department |
| Enf Action Program: | UNSPEC |
| Enf Action Source: | CERS |

| | |
|---|---|
| Site ID: | 409962 |
| Site Name: | MEADOWLARK CLEANERS |
| Site Address: | 5225 WARNER AVE |
| Site City: | HUNTINGTON BEACH |
| Site Zip: | 92649 |
| Enf Action Date: | 03-21-2016 |
| Enf Action Type: | Notice of Violation (Unified Program) |
| Enf Action Description: | Notice of Violation Issued by the Inspector at the Time of Inspection |
| Enf Action Notes: | Annual online inventory submitted 4/5/2016. |
| Enf Action Division: | Huntington Beach Fire Department |
| Enf Action Program: | HMRRP |
| Enf Action Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 409962 |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

| | |
|---|---|
| Facility Name: | MEADOWLARK CLEANERS |
| Env Int Type Code: | HMBP |
| Program ID: | 10541947 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.716650 |
| Longitude: | -118.038760 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| | |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Alex Ibrahim |
| Entity Title: | Owner |
| | |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Alex Ibrahim |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | MEADOWLARK CLEANERS |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | 5225 WARNER AVE |
| Affiliation City: | HUNTINGTON BEACH |
| Affiliation State: | CA |
| Affiliation Zip: | 92649 |
| | |
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | MEADOWLARK CLEANERS |
| Affiliation Address: | 5225 WARNER AVE |
| Affiliation City: | HUNTINGTON BEACH |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92649 |
| Affiliation Phone: | (714) 377-9511 |
| | |
| Affiliation Type Desc: | Operator |
| Entity Name: | Alex Ibrahim |
| Affiliation Phone: | (714) 377-9511 |
| | |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | PACIFIC WEST |
| Affiliation City: | irvine |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92623-9068 |
| Affiliation Phone: | (714) 433-7300 |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Alex Ibrahim |
| Affiliation Address: | 5225 Warner avenue |

**MEADOWLARK CLEANERS (Continued)** **1000985109**

Affiliation City: Huntington Beach
Affiliation State: CA
Affiliation Zip: 92649

HWTS:

| | |
|---|---|
| Name: | MEADOWLARK CLEANERS |
| Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAR000002204 |
| Create Date: | 12/08/1995 |
| Last Act Date: | 07/11/2020 |
| Mailing Address: | 5225 WARNER AVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 926494060 |
| Owner Name: | NAGUI ALEX IBRAHIM |
| Owner Address: | 8728 HUDSON RIVER CIR |
| Owner City,State,Zip: | FOUNTAIN VALLEY, CA 92708 |
| Contact Name: | NAGUI (ALEX) IBRAHIM |
| Contact Address: | 5225 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

NAICS:

| | |
|---|---|
| EPA ID: | CAR000002204 |
| Create Date: | 2012-11-29 09:50:21.357 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| Issued EPA ID Date: | 1995-12-08 00:00:00 |
| Facility Name: | MEADOWLARK CLEANERS |
| Facility Address: | 5225 WARNER AVE |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 926490000 |

---

**H58** **SERVICE FIRST RESTORATION** **RCRA NonGen / NLR** **1026044951**
**North** **16815 SNAPPER DR.** **CAC003051304**
**1/8-1/4** **HUNTINGTON BEACH, CA 92649**
**0.205 mi.**
**1082 ft.** **Site 1 of 2 in cluster H**

**Relative:**
**Lower**

**Actual:**
**29 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2020-01-16 00:00:00.0 |
| Handler Name: | SERVICE FIRST RESTORATION |
| Handler Address: | 16815 SNAPPER DR. |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC003051304 |
| Contact Name: | SERVICE FIRST RESTORATION |
| Contact Address: | 16815 SNAPPER DR. |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 855-883-4478 |
| Contact Email: | KYLE@FORTEENVIRONMENTAL.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Mailing Address: | 16815 SNAPPER DR. |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | SERVICE FIRST RESTORATION |
| Owner Type: | Other |
| Operator Name: | SERVICE FIRST RESTORATION |

**SERVICE FIRST RESTORATION (Continued)** **1026044951**

| | |
|---|---|
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-02-10 17:52:40.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | SERVICE FIRST RESTORATION |
| Legal Status: | Other |
| Owner/Operator Address: | 16815 SNAPPER DR. |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 855-883-4478 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SERVICE FIRST RESTORATION |
| Legal Status: | Other |
| Owner/Operator Address: | 16815 SNAPPER DR. |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |

**SERVICE FIRST RESTORATION (Continued)** **1026044951**

Owner/Operator Telephone: 855-883-4478

Historic Generators:
Receive Date: 2020-01-16 00:00:00.0
Handler Name: SERVICE FIRST RESTORATION
Federal Waste Generator Description: Not a generator, verified
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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**G59** **MCCARTHEY ROOFING** **RCRA NonGen / NLR** **1024770685**
**NW** **16872 LYNN LN #F** **CAC002990590**
**1/8-1/4** **HUNTINGTON BEACH, CA 92647**
**0.208 mi.**
**1100 ft.** **Site 2 of 3 in cluster G**

**Relative:**
**Lower**

**Actual:**
**31 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2018-11-27 00:00:00.0
Handler Name: MCCARTHEY ROOFING
Handler Address: 16872 LYNN LN #F
Handler City,State,Zip: HUNTINGTON BEACH, CA 92647
EPA ID: CAC002990590
Contact Name: MCCARTHY ROOFING
Contact Address: 16872 LYNN LN #F
Contact City,State,Zip: HUNTINGTON BEACH, CA 92647
Contact Telephone: 714-879-0111
Contact Email: ENKAY@ENKAYENGINEERING.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Active Site Indicator: Handler Activities
Mailing Address: 16872 LYNN LN #F
Mailing City,State,Zip: HUNTINGTON BEACH, CA 92647
Owner Name: CLAUDIA STRANGER & DAN VIELE
Owner Type: Other
Operator Name: MCCARTHY ROOFING
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No

**MCCARTHEY ROOFING (Continued)** **1024770685**

| | |
|---|---|
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2018-12-20 13:51:34.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CLAUDIA STRANGER & DAN VIELE |
| Legal Status: | Other |
| Owner/Operator Address: | 801 E CHAPMAN AVE #23 |
| Owner/Operator City,State,Zip: | FULLERTON, CA 92831 |
| Owner/Operator Telephone: | 714-879-0111 |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MCCARTHY ROOFING |
| Legal Status: | Other |
| Owner/Operator Address: | 16872 LYNN LN #F |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| Owner/Operator Telephone: | 714-879-0111 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-11-27 00:00:00.0 |
| Handler Name: MCCARTHEY ROOFING | |
| Federal Waste Generator Description: | Not a generator, verified |

**MCCARTHEY ROOFING (Continued)** **1024770685**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**I60 East 1/8-1/4 0.209 mi. 1106 ft.** **LION PROPERTIES** **RCRA NonGen / NLR** **1025859154**
**5172 DUNBAR DR #B** **CAC003039691**
**HUNTINGTON BEACH, CA 92649**

**Site 1 of 2 in cluster I**

**Relative: Lower**
**Actual: 24 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-10-21 00:00:00.0
Handler Name: LION PROPERTIES
Handler Address: 5172 DUNBAR DR #B
Handler City,State,Zip: HUNTINGTON BEACH, CA 92649
EPA ID: CAC003039691
Contact Name: LION PROPERTIES
Contact Address: 5172 DUNBAR DR #B
Contact City,State,Zip: HUNTINGTON BEACH, CA 92649
Contact Telephone: 714-378-1418
Contact Email: ADMIN@VIKINGENVIRO.COM
EPA Region: 09
Federal Waste Generator Description: Not a generator, verified
Mailing Address: 5172 DUNBAR DR #B
Mailing City,State,Zip: HUNTINGTON BEACH, CA 92649
Owner Name: LION PROPERTIES
Owner Type: Other
Operator Name: LION PROPERTIES
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No

**LION PROPERTIES (Continued)** **1025859154**

| | |
|---|---|
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2019-10-25 14:15:58.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LION PROPERTIES |
| Legal Status: | Other |
| Owner/Operator Address: | 5172 DUNBAR DR #B |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-378-1418 |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LION PROPERTIES |
| Legal Status: | Other |
| Owner/Operator Address: | 5172 DUNBAR DR #B |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-378-1418 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-10-21 00:00:00.0 |
| Handler Name: LION PROPERTIES | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

**LION PROPERTIES (Continued)** **1025859154**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**I61 East 1/8-1/4 0.209 mi. 1106 ft.** **LION PROPERTIES** **RCRA NonGen / NLR** **1025856260**
**5172 DUNBAR DR #A** **CAC003036572**
**HUNTINGTON BEACH, CA 92649**

**Site 2 of 2 in cluster I**

**Relative: Lower**
**Actual: 24 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2019-10-01 00:00:00.0 |
| Handler Name: | LION PROPERTIES |
| Handler Address: | 5172 DUNBAR DR #A |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC003036572 |
| Contact Name: | LION PROPERTIES |
| Contact Address: | 5172 DUNBAR DR #A |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 714-378-1418 |
| Contact Email: | ADMIN@VIKINGENVIRO.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Mailing Address: | 5172 DUNBAR DR #A |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | LION PROPERTIES |
| Owner Type: | Other |
| Operator Name: | LION PROPERTIES |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |

**LION PROPERTIES (Continued)** **1025856260**

| | |
|---|---|
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2019-10-04 16:30:49.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LION PROPERTIES |
| Legal Status: | Other |
| Owner/Operator Address: | 5172 DUNBAR DR #A |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-378-1418 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LION PROPERTIES |
| Legal Status: | Other |
| Owner/Operator Address: | 5172 DUNBAR DR #A |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-378-1418 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2019-10-01 00:00:00.0 |
| Handler Name: LION PROPERTIES | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

**LION PROPERTIES (Continued)** **1025856260**

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**G62 WNW 1/8-1/4 0.209 mi. 1106 ft.** **HUNTINGTON SEAPORT #2** **RCRA NonGen / NLR** **1026484021**
**16901 LYNN LANE** **CAC003090108**
**HUNTINGTON BEACH, CA 92649**

**Site 3 of 3 in cluster G**

**Relative: Lower**
**Actual: 33 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2020-10-27 00:00:00.0 |
| Handler Name: | HUNTINGTON SEAPORT #2 |
| Handler Address: | 16901 LYNN LANE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC003090108 |
| Contact Name: | ELIZABETH PONCE |
| Contact Address: | 16901 LYNN LANE |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 714-639-8484 |
| Contact Email: | ART@UNITEDPUMPING.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Mailing Address: | 1588N. BATAVIA |
| Mailing City,State,Zip: | ORANGE, CA 92867 |
| Owner Name: | HUNTINGTON SEAPORT #2 |
| Owner Type: | Other |
| Operator Name: | ELIZABETH PONCE |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |

**HUNTINGTON SEAPORT #2 (Continued)** **1026484021**

| | |
|---|---|
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-11-06 21:05:54.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | ELIZABETH PONCE |
| Legal Status: | Other |
| Owner/Operator Address: | 16901 LYNN LANE |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-639-8484 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | HUNTINGTON SEAPORT #2 |
| Legal Status: | Other |
| Owner/Operator Address: | 1588N. BATAVIA |
| Owner/Operator City,State,Zip: | ORANGE, CA 92867 |
| Owner/Operator Telephone: | 714-639-8484 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2020-10-27 00:00:00.0 |
| Handler Name: HUNTINGTON SEAPORT #2 | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 311824 |
| NAICS Description: | DRY PASTA, DOUGH, AND FLOUR MIXES MANUFACTURING FROM PURCHASED FLOUR |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**F63 ENE 1/8-1/4 0.213 mi. 1126 ft.** | **RALPHS GROCERY CO #131**
**5241 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**
**Site 4 of 6 in cluster F**

**RCRA NonGen / NLR** | **1024813161**
**CAL000302737**

**Relative: Lower**
**Actual: 32 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2006-01-27 00:00:00.0 |
| Handler Name: | RALPHS GROCERY CO #131 |
| Handler Address: | 5241 WARNER AVE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649-4060 |
| EPA ID: | CAL000302737 |
| Contact Name: | SHERRIE WALTERS |
| Contact Address: | 1100 W. ARTESIA BLVD. |
| Contact City,State,Zip: | COMPTON, CA 90220 |
| Contact Telephone: | 310-884-4016 |
| Contact Fax: | 310-884-4625 |
| Contact Email: | SHERRIE.WALTERS@RALPHS.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | P.O. BOX 54143 |
| Mailing City,State,Zip: | LOS ANGELES, CA 90054-0000 |
| Owner Name: | RALPHS GROCERY CO |
| Owner Type: | Other |
| Operator Name: | SHERRIE WALTERS |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |

**RALPHS GROCERY CO #131 (Continued)** **1024813161**

| | |
|---|---|
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2018-09-05 20:27:57.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | SHERRIE WALTERS |
| Legal Status: | Other |
| Owner/Operator Address: | 1100 W. ARTESIA BLVD. |
| Owner/Operator City,State,Zip: | COMPTON, CA 90220 |
| Owner/Operator Telephone: | 310-884-4016 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | RALPHS GROCERY CO |
| Legal Status: | Other |
| Owner/Operator Address: | PO BOX 54143 |
| Owner/Operator City,State,Zip: | LOS ANGELES, CA 90054-0000 |
| Owner/Operator Telephone: | 310-884-4016 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-27 00:00:00.0 |
| Handler Name: | RALPHS GROCERY CO #131 |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 45291 |
| NAICS Description: | WAREHOUSE CLUBS AND SUPERCENTERS |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**F64 ENE 1/8-1/4 0.213 mi. 1126 ft.** | **RALPHS GROCERY #131**
**5241 WARNER AVENUE**
**HUNTINGTON BEACH, CA 92649**

**Site 5 of 6 in cluster F**

**CERS HAZ WASTE** **S107138078**
**CHMIRS** **N/A**
**CERS**

**Relative: Lower**
**Actual: 32 ft.**

CERS HAZ WASTE:

| | |
|---|---|
| Name: | RALPHS GROCERY #131 |
| Address: | 5241 WARNER AVENUE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 60074 |
| CERS ID: | 10160345 |
| CERS Description: | Hazardous Waste Generator |

CHMIRS:

| | |
|---|---|
| Address: | 5241 WARNER AVE. |
| City,State,Zip: | HUNTINGTON BEACH, CA 92647 |
| OES Incident Number: | 12-1318 |
| OES notification: | 03/08/2012 |
| Waterway Involved: | No |
| Spill Site: | Merchant/Business |
| Cleanup By: | Reporting Party |
| Measure: | Gal(s) |
| Date/Time: | 2030 |
| Year: | 2012 |
| Agency: | City of Huntington Beach |
| Incident Date: | 3/7/2012 |
| Admin Agency: | Huntington Beach Fire Department |
| Contained: | Yes |
| Substance: | Sewage |
| Quantity Released: | 170 |
| Description: | Caller states: There was a grease interceptor that backed up causing the overflow. Approximately 100 gal(s) went into a storm drain, 70 gal(s) was recovered. The release went into a storm drain which drains into the Slater SMUD station, which is diverted into the sewer. |

CERS:

| | |
|---|---|
| Name: | RALPHS GROCERY #131 |
| Address: | 5241 WARNER AVENUE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 60074 |
| CERS ID: | 10160345 |
| CERS Description: | Chemical Storage Facilities |

Evaluation:

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-10-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | accepted facility info in CERS |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 05-09-2017 |
| Violations Found: | No |

**RALPHS GROCERY #131 (Continued)** **S107138078**

| | |
|---|---|
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 06-01-2020 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a routine hazardous waste inspection. Met with manager Cesar Sanchez of Ralphs. Consent was provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated was properly stored and labeled. -- Waste manifests for all waste streams were available for review. -- Training is conducted internally via a Ralphs online computer program. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. The facility is in compliance. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-15-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | CERS inventory update - accepted. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-10-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | CERS review: HW was Stat 03 - per CERS - set to 04 and assigned to Jennifer Negro |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 12-28-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Ralphs Grocery Co #131 5241 Warner Avw Huntington Beach On site to conduct a Hazardous Waste Inspection. Met with Tiffiney (front end manager) who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A |

**RALPHS GROCERY #131 (Continued)** **S107138078**

copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact
Entity Name: Matthew Eaton
Affiliation Address: P.O. Box 54143
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Zip: 90054-0143

Affiliation Type Desc: Parent Corporation
Entity Name: Ralphs Grocery Company

Affiliation Type Desc: Document Preparer
Entity Name: Ralphs Grocery Company

Affiliation Type Desc: Property Owner
Entity Name: Wood Investments - Meadowlark c/o The Horowitz Group
Affiliation Address: 1191 San Vicente Blvd., Suite 310
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90049
Affiliation Phone: (310) 440-7878

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Affiliation Address: P.O. Box 54143
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Zip: 90054-0143

Affiliation Type Desc: Identification Signer
Entity Name: Matthew Eaton
Entity Title: Manager Environmental Affairs

Affiliation Type Desc: Legal Owner
Entity Name: Ralphs Grocery Company
Affiliation Address: P.O. Box 54143
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90054-0143
Affiliation Phone: (310) 884-9000

**RALPHS GROCERY #131 (Continued)** **S107138078**

Affiliation Type Desc: Operator
Entity Name: Ralphs Grocery Company
Affiliation Phone: (310) 884-9000

---

**F65 ENE 1/8-1/4 0.213 mi. 1126 ft.** **RALPHS GROCERY CO #131** **SWRCY** **S113140867**
**5241 WARNER AVE** **HAZNET** **N/A**
**HUNTINGTON BEACH, CA 92649** **HWTS**

**Site 6 of 6 in cluster F**

**Relative: Lower**
**Actual: 32 ft.**

SWRCY:
Name: PONCE RECYCLING
Address: 5241 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Cert Id: RC295717.001
Mailing Address: 5425 W 64th St
Mailing City: Los Angeles
Mailing State: CA
Mailing Zip Code: 90056
Email: poncerecycling@aol.com
Phone Number: (323) 533-4862
Rural: N
Operation Begin Date: 02/24/2020
Hours of Operation: Mon - Sat 9:00 am - 5:00 pm, Closed 1:00 pm - 1:30 pm; Sun Closed
Organization Name: Ponce Recycling Inc

HAZNET:
Name: RALPHS GROCERY CO #131
Address: 5241 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 900540000
Contact: MATTHEW EATON
Telephone: 3108844016
Mailing Address: P.O. BOX 54143

Year: 2019
Gepaid: CAL000302737
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)
Tons: 0.00200

Year: 2019
Gepaid: CAL000302737
TSD EPA ID: OKD000402396
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00050

Year: 2019
Gepaid: CAL000302737
TSD EPA ID: NVT330010000
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Tons: | 0.03450 |
| | |
| Year: | 2019 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.01000 |
| | |
| Year: | 2019 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 791 - Liquids with pH <= 2 |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.00050 |
| | |
| Year: | 2019 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 281 - Adhesives |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.10700 |
| | |
| Year: | 2018 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.01150 |
| | |
| Year: | 2018 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Tons: | 0.01850 |
| | |
| Year: | 2018 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 122 - Alkaline solution without metals pH >= 12.5 |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.00300 |
| | |
| Year: | 2018 |
| Gepaid: | CAL000302737 |
| TSD EPA ID: | NVT330010000 |
| CA Waste Code: | 561 - Detergent waste chemicals |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.00650 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

Click this hyperlink while viewing on your computer to access
42 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 2016 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.008 |
| Waste Quantity: | 16 |
| Quantity Unit: | P |
| Additional Code 1: | D002 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U205 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.008 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Waste Quantity: | 16 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D011 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.004 |
| Waste Quantity: | 8 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| Additional Code 2: | D008 |
| Additional Code 3: | D007 |
| Additional Code 4: | D005 |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U154 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | U002 |
| Additional Code 2: | D035 |
| Additional Code 3: | D018 |
| Additional Code 4: | D001 |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 281 - Adhesives |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Meth Code: | - Not reported |
| Quantity Tons: | 0.0035 |
| Waste Quantity: | 7 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals |
| RCRA Code: | D002 |
| Meth Code: | H110 - Not reported |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H110 - Not reported |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2013 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20131002 |
| Creation Date: | 2/24/2014 22:15:16 |
| Receipt Date: | 20131018 |
| Manifest ID: | 000612342PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0215 |
| Waste Quantity: | 43 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131002 |
| Creation Date: | 2/24/2014 22:15:16 |
| Receipt Date: | 20131018 |
| Manifest ID: | 000612342PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.008 |
| Waste Quantity: | 16 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20131002 |
| Creation Date: | 2/24/2014 22:15:16 |
| Receipt Date: | 20131018 |
| Manifest ID: | 000612342PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0265 |
| Waste Quantity: | 53 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20131002 |
| Creation Date: | 2/24/2014 22:15:16 |
| Receipt Date: | 20131018 |
| Manifest ID: | 000612342PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130606 |
| Creation Date: | 8/12/2013 22:15:16 |
| Receipt Date: | 20130612 |
| Manifest ID: | 011382700JJK |
| Trans EPA ID: | CAR000172189 |
| Trans Name: | AMBERWICK CORPORATION |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| Waste Code Description: | 223 - Unspecified oil-containing waste |
| RCRA Code: | F001 |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.22935 |
| Waste Quantity: | 55 |
| Quantity Unit: | G |
| | |
| Shipment Date: | 20130402 |
| Manifest ID: | 000490606PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Quantity Tons: | 0.013 |
| Waste Quantity: | 26 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130402 |
| Creation Date: | 7/3/2013 22:15:06 |
| Receipt Date: | 20130410 |
| Manifest ID: | 000490606PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130402 |
| Creation Date: | 7/3/2013 22:15:06 |
| Receipt Date: | 20130410 |
| Manifest ID: | 000490606PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0105 |
| Waste Quantity: | 21 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20130402 |
| Creation Date: | 7/3/2013 22:15:06 |
| Receipt Date: | 20130410 |
| Manifest ID: | 000490606PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D035 |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | D018 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20130402 |
| Creation Date: | 7/3/2013 22:15:06 |
| Receipt Date: | 20130410 |
| Manifest ID: | 000490606PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.019 |
| Waste Quantity: | 38 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |

Additional Info:

| | |
|---|---|
| Year: | 2014 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20141001 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D016 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0035 |
| Waste Quantity: | 7 |
| Quantity Unit: | P |
| Additional Code 1: | D011 |
| Additional Code 2: | D008 |
| Additional Code 3: | D007 |
| | |
| Shipment Date: | 20141001 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0055 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Waste Quantity: | 11 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141001 |
| Creation Date: | 12/26/2014 22:14:59 |
| Receipt Date: | 20141003 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141001 |
| Creation Date: | 12/26/2014 22:14:59 |
| Receipt Date: | 20141003 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |
| | |
| Shipment Date: | 20141001 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0105 |
| Waste Quantity: | 21 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141001 |
| Creation Date: | 12/26/2014 22:14:59 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Receipt Date: | 20141003 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.022 |
| Waste Quantity: | 44 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20141001 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141001 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.005 |
| Waste Quantity: | 10 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20141001 |
| Creation Date: | 12/26/2014 22:14:59 |
| Receipt Date: | 20141003 |
| Manifest ID: | 000858523PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D035 |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| Additional Code 1: | D018 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20140404 |
| Manifest ID: | 000731594PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0075 |
| Waste Quantity: | 15 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2017 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20170714 |
| Creation Date: | 10/26/2018 18:30:13 |
| Receipt Date: | 20170719 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170714 |
| Creation Date: | 10/26/2018 18:30:13 |
| Receipt Date: | 20170719 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170714 |
| Creation Date: | 10/26/2018 18:30:13 |
| Receipt Date: | 20170719 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 281 - Adhesives |
| Meth Code: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170714 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 311 - Pharmaceutical waste |
| RCRA Code: | D011 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| Additional Code 2: | D007 |
| | |
| Shipment Date: | 20170714 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| | Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170714 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20170714 |
| Creation Date: | 10/26/2018 18:30:13 |
| Receipt Date: | 20170719 |
| Manifest ID: | 017601136JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D039 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.005 |
| Waste Quantity: | 10 |
| Quantity Unit: | P |
| Additional Code 1: | D035 |
| Additional Code 2: | D002 |
| Additional Code 3: | D001 |
| | |
| Shipment Date: | 20170119 |
| Creation Date: | 5/9/2018 18:31:57 |
| Receipt Date: | 20170131 |
| Manifest ID: | 016030228JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U205 |
| Meth Code: | H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization) |
| Quantity Tons: | 0.0015 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| | |
| Shipment Date: | 20170119 |
| Creation Date: | 5/9/2018 18:31:57 |
| Receipt Date: | 20170131 |
| Manifest ID: | 016030228JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D039 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | D035 |
| Additional Code 2: | D002 |
| Additional Code 3: | D001 |
| | |
| Shipment Date: | 20170119 |
| Creation Date: | 5/9/2018 18:31:57 |
| Receipt Date: | 20170131 |
| Manifest ID: | 016030228JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | ALR000007237 |
| Trans 2 Name: | ACTION RESOURCES INC |
| TSDF EPA ID: | NVT330010000 |
| Trans Name: | US ECOLOGY INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U154 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | U002 |
| Additional Code 2: | D035 |
| Additional Code 3: | D018 |
| Additional Code 4: | D001 |

Additional Info:

| | |
|---|---|
| Year: | 2012 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20120501 |
| Creation Date: | 8/3/2012 22:15:13 |
| Receipt Date: | 20120503 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.041 |
| Waste Quantity: | 82 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20120501 |
| Creation Date: | 8/3/2012 22:15:13 |
| Receipt Date: | 20120503 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D035 |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.0095 |
| Waste Quantity: | 19 |
| Quantity Unit: | P |
| Additional Code 1: | D018 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20120501 |
| Creation Date: | 8/3/2012 22:15:13 |
| Receipt Date: | 20120503 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |
| | |
| Shipment Date: | 20120501 |
| Creation Date: | 8/3/2012 22:15:13 |
| Receipt Date: | 20120503 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.009 |
| Waste Quantity: | 18 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120501 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120501 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120501 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Quantity Tons: | 0.0115 |
| Waste Quantity: | 23 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120501 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20120501 |
| Manifest ID: | 000293808PSC |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICES OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D016 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | D011 |
| Additional Code 2: | D008 |
| Additional Code 3: | D007 |

Additional Info:

| | |
|---|---|
| Year: | 2011 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20110214 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 792 - Not reported |
| RCRA Code: | D007 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Quantity Unit: | P |
| Additional Code 1: | D002 |
| | |
| Shipment Date: | 20110214 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20110214 |
| Creation Date: | 4/22/2011 18:31:02 |
| Receipt Date: | 20110216 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0055 |
| Waste Quantity: | 11 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |
| | |
| Shipment Date: | 20110214 |
| Creation Date: | 4/22/2011 18:31:02 |
| Receipt Date: | 20110216 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.031 |
| Waste Quantity: | 62 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Shipment Date: | 20110214 |
| Creation Date: | 4/22/2011 18:31:02 |
| Receipt Date: | 20110216 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0035 |
| Waste Quantity: | 7 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |

| | |
|---|---|
| Shipment Date: | 20110214 |
| Manifest ID: | 000076361MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Trans 2 EPA ID: | CAD983649880 |
| Trans 2 Name: | PSC ENVIRONMENTAL SERVICE OF POMONA LP |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0155 |
| Waste Quantity: | 31 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2010 |
| Gen EPA ID: | CAL000302737 |

| | |
|---|---|
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D016 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.006 |
| Waste Quantity: | 12 |
| Quantity Unit: | P |
| Additional Code 1: | D011 |
| Additional Code 2: | D008 |
| Additional Code 3: | D007 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 792 - Not reported |
| Meth Code: | - Not reported |

| | |
|---|---|
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 792 - Not reported |
| RCRA Code: | D007 |
| Meth Code: | - Not reported |

| | |
|---|---|
| Shipment Date: | 20100709 |
| Creation Date: | 9/10/2010 18:30:40 |
| Receipt Date: | 20100715 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 352 - Other organic solids |
| RCRA Code: | D018 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |

| | |
|---|---|
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | - Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

| | |
|---|---|
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 291 - Latex waste |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 20100709 |
| Creation Date: | 9/10/2010 18:30:40 |
| Receipt Date: | 20100715 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 214 - Unspecified solvent mixture |
| RCRA Code: | D035 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0215 |
| Waste Quantity: | 43 |
| Quantity Unit: | P |
| Additional Code 1: | D005 |
| Additional Code 2: | D001 |
| | |
| Shipment Date: | 20100709 |
| Manifest ID: | 000071111MWI |
| Trans EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| TSDF EPA ID: | CAD008364432 |
| Trans Name: | RHO CHEM LLC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.012 |
| Waste Quantity: | 24 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2015 |
| Gen EPA ID: | CAL000302737 |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals |
| RCRA Code: | D002 |
| Meth Code: | H110 - Not reported |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H110 - Not reported |
| Quantity Tons: | 0.003 |
| Waste Quantity: | 6 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D011 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.004 |
| Waste Quantity: | 8 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| Additional Code 2: | D008 |
| Additional Code 3: | D007 |
| Additional Code 4: | D005 |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U205 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.008 |
| Waste Quantity: | 16 |
| Quantity Unit: | P |
| Additional Code 1: | D010 |
| | |
| Shipment Date: | 20150910 |
| Creation Date: | 3/22/2016 22:15:24 |
| Receipt Date: | 20151002 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | U154 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0015 |
| Waste Quantity: | 3 |
| Quantity Unit: | P |
| Additional Code 1: | U002 |
| Additional Code 2: | D035 |
| Additional Code 3: | D018 |
| Additional Code 4: | D001 |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 122 - Alkaline solution without metals (pH > 12.5 |
| RCRA Code: | D002 |
| Meth Code: | H110 - Not reported |
| Quantity Tons: | 0.002 |
| Waste Quantity: | 4 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 141 - Off-specification, aged, or surplus inorganics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0005 |
| Waste Quantity: | 1 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 181 - Other inorganic solid waste Organics |
| RCRA Code: | D009 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.0025 |
| Waste Quantity: | 5 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20150910 |
| Manifest ID: | 009105937JJK |
| Trans EPA ID: | MIK435642742 |
| Trans Name: | EQ INDUSTRIAL SERVICES |
| Trans 2 EPA ID: | NED986382133 |
| Trans 2 Name: | SMITH SYSTEMS |
| TSDF EPA ID: | OKD000402396 |
| Trans Name: | EQ OKLAHOMA INC |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.001 |
| Waste Quantity: | 2 |
| Quantity Unit: | P |

HWTS:

| | |
|---|---|
| Name: | RALPHS GROCERY CO #131 |
| Address: | 5241 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494060 |
| EPA ID: | CAL000302737 |
| Create Date: | 01/27/2006 |
| Last Act Date: | 07/31/2020 |
| Mailing Address: | P.O. BOX 54143 |
| Mailing City,State,Zip: | LOS ANGELES, CA 900540000 |
| Owner Name: | RALPHS GROCERY CO |
| Owner Address: | PO BOX 54143 |
| Owner City,State,Zip: | LOS ANGELES, CA 900540000 |
| Contact Name: | MATTHEW EATON |
| Contact Address: | 1100 W. ARTESIA BLVD. |
| City,State,Zip: | COMPTON, CA 90220 |

NAICS:

| | |
|---|---|
| EPA ID: | CAL000302737 |
| Create Date: | 2009-12-03 12:41:18.000 |

**RALPHS GROCERY CO #131 (Continued)** **S113140867**

| | |
|---|---|
| NAICS Code: | 45291 |
| NAICS Description: | Warehouse Clubs and Superstores |
| Issued EPA ID Date: | 2006-01-27 14:44:17.57700 |
| Facility Name: | RALPHS GROCERY CO #131 |
| Facility Address: | 5241 WARNER AVE |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 926494060 |

---

**66 NNW 1/8-1/4 0.227 mi. 1196 ft.** **JULIANA & DAN CHINN** **RCRA NonGen / NLR** **1026169137**
**16791 HOSKINS ST #B** **CAC003069185**
**HUNTINGTON BEACH, CA 92649**

**Relative: Lower**
**Actual: 28 ft.**

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 2020-06-02 00:00:00.0 |
| Handler Name: | JULIANA & DAN CHINN | |
| Handler Address: | | 16791 HOSKINS ST #B |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAC003069185 |
| Contact Name: | | JULIANA & DAN CHINN |
| Contact Address: | | 8652 BAYONNE DR |
| Contact City,State,Zip: | | HUNTINGTON BEACH, CA 92646 |
| Contact Telephone: | | 714-745-0831 |
| Contact Email: | | GENEVADEGUIRE@ALLIANCE-ENVIRO.COM |
| EPA Region: | | 09 |
| Federal Waste Generator Description: | | Not a generator, verified |
| Mailing Address: | | 8652 BAYONNE DR |
| Mailing City,State,Zip: | | HUNTINGTON BEACH, CA 92646 |
| Owner Name: | | JULIANA & DAN CHINN |
| Owner Type: | | Other |
| Operator Name: | | JULIANA & DAN CHINN |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | No |
| Universal Waste Destination Facility: | | No |
| Federal Universal Waste: | | No |
| Active Site State-Reg Handler: | | --- |
| Hazardous Secondary Material Indicator: | | N |
| Commercial TSD Indicator: | | No |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | | No |
| Corrective Action Workload Universe: | | No |
| Subject to Corrective Action Universe: | | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | | No |

**JULIANA & DAN CHINN (Continued)** **1026169137**

| | |
|---|---|
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2020-06-08 20:36:45.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JULIANA & DAN CHINN |
| Legal Status: | Other |
| Owner/Operator Address: | 8652 BAYONNE DR |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92646 |
| Owner/Operator Telephone: | 714-745-0831 |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JULIANA & DAN CHINN |
| Legal Status: | Other |
| Owner/Operator Address: | 8652 BAYONNE DR |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92646 |
| Owner/Operator Telephone: | 714-745-0831 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2020-06-02 00:00:00.0 |
| Handler Name: JULIANA & DAN CHINN | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**H67** **LIM, BECKY** **RCRA NonGen / NLR** **1024766430**
**North** **4956 PEARCE DRIVE** **CAC002986299**
**1/8-1/4** **HUNTINGTON BEACH, CA 92649**
**0.248 mi.**
**1312 ft.** **Site 2 of 2 in cluster H**

**Relative:**
**Lower**

**Actual:**
**27 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2018-10-24 00:00:00.0 |
| Handler Name: | LIM, BECKY |
| Handler Address: | 4956 PEARCE DRIVE |
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAC002986299 |
| Contact Name: | LIM, BECKY |
| Contact Address: | 4956 PEARCE DRIVE |
| Contact City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Telephone: | 714-725-4705 |
| Contact Email: | ANDREWC@PWSEI.COM |
| EPA Region: | 09 |
| Federal Waste Generator Description: | Not a generator, verified |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 4956 PEARCE DRIVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | LIM, BECKY |
| Owner Type: | Other |
| Operator Name: | LIM, BECKY |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | N |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |

**LIM, BECKY (Continued)** **1024766430**

| | |
|---|---|
| Handler Date of Last Change: | 2018-11-20 16:30:15.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | LIM, BECKY |
| Legal Status: | Other |
| Owner/Operator Address: | 4956 PEARCE DRIVE |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-725-4705 |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | LIM, BECKY |
| Legal Status: | Other |
| Owner/Operator Address: | 4956 PEARCE DRIVE |
| Owner/Operator City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner/Operator Telephone: | 714-725-4705 |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2018-10-24 00:00:00.0 |
| Handler Name: LIM, BECKY | |
| Federal Waste Generator Description: | Not a generator, verified |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**J68 South 1/4-1/2 0.385 mi. 2031 ft.** | **SHORELINE BATTERY RANGE COMPLEX - LAND** | **UXO** | **1024714384** **N/A**

**HUNTINGTON BEACH, CA**

**Site 1 of 4 in cluster J**

**Relative: Higher**

**Actual: 46 ft.**

UXO:

| | |
|---|---|
| DoD Component: | FUDS |
| Installation Name: | BOLSA CHICA MIL RES |
| Name: | SHORELINE BATTERY RANGE COMPLEX - LAND |
| City,State,Zip: | HUNTINGTON BEACH, CA |
| Site ID: | 01OEW |
| Site Type: | Medium/Large Caliber |
| Latitude: | 33.708333 |
| Longitude: | -118.041667 |

---

**J69 South 1/4-1/2 0.385 mi. 2031 ft.** | **SHORELINE BATTERY RANGE COMPLEX - WATER** | **UXO** | **1024714779** **N/A**

**HUNTINGTON BEACH, CA**

**Site 2 of 4 in cluster J**

**Relative: Higher**

**Actual: 46 ft.**

UXO:

| | |
|---|---|
| DoD Component: | FUDS |
| Installation Name: | BOLSA CHICA MIL RES |
| Name: | SHORELINE BATTERY RANGE COMPLEX - WATER |
| City,State,Zip: | HUNTINGTON BEACH, CA |
| Site ID: | 02OEW |
| Site Type: | Medium/Large Caliber |
| Latitude: | 33.708333 |
| Longitude: | -118.041667 |

---

**J70 South 1/4-1/2 0.385 mi. 2031 ft.** | **BOLSA CHICA MIL RES** | **FUDS** | **1009484690** **N/A**

**HUNTINGTON BEACH, CA**

**Site 3 of 4 in cluster J**

**Relative: Higher**

**Actual: 46 ft.**

FUDS:

| | |
|---|---|
| EPA Region: | 09 |
| Installation ID: | CA99799F537300 |
| Congressional District Number: | 48 |
| Facility Name: | BOLSA CHICA MIL RES |
| FUDS Number: | J09CA0247 |
| City: | HUNTINGTON BEACH |
| State: | CA |
| County: | ORANGE |
| Object ID: | 842 |
| USACE District: | Los Angeles District (SPL) |
| Status: | Properties with projects |
| Current Owner: | Other Federal Government; Private Sector; State Government |
| EMS Map Link: | https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61006 |
| Eligibility: | Eligible |
| Has Projects: | Yes |
| NPL Status: | Not Listed |
| Latitude: | 33.708333330000002 |
| Longitude: | -118.041666669999 |

**BOLSA CHICA MIL RES (Continued)** **1009484690**

FUDS Detail as of Jan 2015:

| | |
|---|---|
| Fiscal Year: | 2013 |
| Federal Facility ID: | CA9799F5373 |
| NPL Status: | Not Listed |
| Description: | N/A |
| History: | N/A |
| CTC: | 11238 |
| Institutional ID: | 61006 |

MRA:

| | |
|---|---|
| Inst ID: | 61006 |
| FUDS Number: | J09CA0247 |
| Facility Name: | BOLSA CHICA MIL RES |
| **PHASE**: | 4 |
| **ARC**: | Y |
| **DIST**: | SPL |
| **MMRP**: | Y |
| **MRA ID**: | J09CA024701R01 |

| | |
|---|---|
| Inst ID: | 61006 |
| FUDS Number: | J09CA0247 |
| Facility Name: | BOLSA CHICA MIL RES |
| **PHASE**: | 4 |
| **ARC**: | Y |
| **DIST**: | SPL |
| **MMRP**: | Y |
| **MRA ID**: | J09CA024701R01 |

MRS:

| | |
|---|---|
| Inst ID: | 61006 |
| FUDS Number: | J09CA0247 |
| Facility Name: | BOLSA CHICA MIL RES |
| **PHASE**: | 4 |
| Site ID: | 02 |
| **DIST**: | SPL |
| **MMRP**: | Y |
| **MRA ID**: | J09CA024701R01 |
| **PROJ NO**: | J09CA024702 |

| | |
|---|---|
| Inst ID: | 61006 |
| FUDS Number: | J09CA0247 |
| Facility Name: | BOLSA CHICA MIL RES |
| **PHASE**: | 4 |
| Site ID: | 01 |
| **DIST**: | SPL |
| **MMRP**: | Y |
| **MRA ID**: | J09CA024701R01 |
| **PROJ NO**: | J09CA024701 |

**J71 South 1/4-1/2 0.385 mi. 2032 ft.** | **BOLSA CHICA MILITARY RES** | **ENVIROSTOR** | **S110711865** | **N/A**

**BOUNDED BY LOS PATOS AVENUE TO THE NORTH AND PACIFIC COAST H**
**SANTA ANA, CA 92649**

**Site 4 of 4 in cluster J**

**Relative: Higher**

**Actual: 42 ft.**

ENVIROSTOR:

| | |
|---|---|
| Name: | BOLSA CHICA MILITARY RES |
| Address: | BOUNDED BY LOS PATOS AVENUE TO THE NORTH AND PACIFIC COAST HIGHWAY TO THE WEST AND SOUTH |
| City,State,Zip: | SANTA ANA, CA 92649 |
| Facility ID: | 80000201 |
| Status: | Inactive - Needs Evaluation |
| Status Date: | 10/04/2018 |
| Site Code: | 401503 |
| Site Type: | Military Evaluation |
| Site Type Detailed: | FUDS |
| Acres: | 640 |
| NPL: | NO |
| Regulatory Agencies: | SMBRP |
| Lead Agency: | SMBRP |
| Program Manager: | Omoruyi Patrick |
| Supervisor: | Patrick Hsieh |
| Division Branch: | Cleanup Cypress |
| Assembly: | 72 |
| Senate: | 34 |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | DERA |
| Latitude: | 33.70833 |
| Longitude: | -118.0416 |
| APN: | NONE SPECIFIED |
| Past Use: | FIRING RANGE - SMALL ARMS ETC... |
| Potential COC: | Explosives (UXO, MEC Munitions Debris (MD Lead Perchlorate |
| Confirmed COC: | 30013-NO 30017-NO 30011-NO 32000-NO |
| Potential Description: | SOIL, SURFW |
| Alias Name: | CA99799F537300 |
| Alias Type: | Federal Facility ID |
| Alias Name: | 401503 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 80000201 |
| Alias Type: | Envirostor ID Number |
| Alias Name: | J09CA0247 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Preliminary Endangerment Assessment Tech Memo |
| Completed Date: | 12/20/2010 |
| Comments: | Technical memorandum is complete. |
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Preliminary Endangerment Assessment Workplan |
| Completed Date: | 01/04/2011 |
| Comments: | Final document with DTSC comments received. |
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Site Characterization Report |
| Completed Date: | 10/12/2011 |
| Comments: | DTSC comments incorporated into final report. |

**BOLSA CHICA MILITARY RES (Continued)** **S110711865**

Completed Area Name: PROJECT WIDE
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/26/1994

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**K72** **HUNTINGTON HARBOUR CAR WASH** **Notify 65** **S100453867**
**WNW** **16921 ALGONQUIN ST.** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649**
**0.465 mi.**
**2454 ft.** **Site 1 of 4 in cluster K**

**Relative:**
**Lower**

**Actual:**
**28 ft.**

NOTIFY 65:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST.
City,State,Zip: HUNTINGTON BEACH, CA 92649-3812

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**K73** **HUNTINGTON HARBOUR CAR WASH** **LUST** **U003659641**
**WNW** **16921 ALGONQUIN** **UST** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649** **CERS HAZ WASTE**
**0.465 mi.** **CERS TANKS**
**2454 ft.** **Site 2 of 4 in cluster K** **Cortese**
**CERS**
**Relative:** **HWTS**
**Lower**

**Actual:**
**28 ft.**

LUST REG 8:

| | |
|---|---|
| Name: | HUNTINGTON HARBOUR CAR WASH |
| Address: | 16921 ALGONQUIN ST |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Remedial action (cleanup) Underway |
| Case Number: | 083002086T |
| Local Case Num: | 92UT144 |
| Case Type: | Other ground water affected |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| Enf Type: | SEL |
| How Discovered: | Tank Closure |
| How Stopped: | Close Tank |
| Leak Cause: | Unknown |
| Leak Source: | Unknown |
| Global ID: | T0605901553 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 9/24/1992 |
| Date Remedial Action Underway: | 7/1/2000 |
| GW Qualifies: | = |
| Soil Qualifies: | = |
| Oversite Program: | LUST |
| Latitude: | 33.7166808 |
| Longitude: | -118.0501813 |
| MTBE Date: | 3/18/2002 |
| Max MTBE GW: | 7700 |
| MTBE Concentration: | 0 |
| Max MTBE Soil: | 210 |
| MTBE Fuel: | 1 |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| MTBE Tested: | MTBE Detected. Site tested for MTBE & MTBE detected |
| MTBE Class: | * |
| Staff: | VJJ |
| Staff Initials: | KC |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

LUST:

| | |
|---|---|
| Name: | HUNTINGTON HARBOUR CAR WASH |
| Address: | 16921 ALGONQUIN |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | SANTA ANA RWQCB (REGION 8) |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901553 |
| Global Id: | T0605901553 |
| Latitude: | 33.7166808 |
| Longitude: | -118.0501813 |
| Status: | Open - Assessment & Interim Remedial Action |
| Status Date: | 12/06/2010 |
| Case Worker: | MAO |
| RB Case Number: | 083002086T |
| File Location: | Local Agency |
| Local Case Number: | 92UT144 |
| Potential Media Affect: | Aquifer used for drinking water supply |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party. |

LUST:

| | |
|---|---|
| Global Id: | T0605901553 |
| Contact Type: | Regional Board Caseworker |
| Contact Name: | MIGUEL OVIEDO |
| Organization Name: | SANTA ANA RWQCB (REGION 8) |
| Address: | 3737 Main Street, Suite 500 |
| City: | RIVERSIDE |
| Email: | miguel.oviedo@waterboards.ca.gov |
| Phone Number: | 9517823238 |

LUST:

| | |
|---|---|
| Global Id: | T0605901553 |
| Action Type: | RESPONSE |
| Date: | 01/10/2011 |
| Action: | Electronic Reporting Submittal Due |
| Global Id: | T0605901553 |
| Action Type: | RESPONSE |
| Date: | 03/20/2016 |
| Action: | Interim Remedial Action Plan |
| Global Id: | T0605901553 |
| Action Type: | ENFORCEMENT |
| Date: | 11/23/2009 |
| Action: | Staff Letter |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 09/24/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/13/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/14/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/15/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/29/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: RESPONSE
Date: 03/11/1994
Action: Site Assessment Report

Global Id: T0605901553
Action Type: RESPONSE
Date: 07/27/2006
Action: Other Workplan

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 04/14/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 04/14/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 10/27/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/25/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Date: 01/07/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/18/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/18/2011
Action: Notice of Responsibility

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/18/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/18/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 12/22/2010
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 01/18/2011
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 09/30/2011
Action: Letter - Notice

Global Id: T0605901553
Action Type: RESPONSE
Date: 02/23/2016
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 10/02/2011
Action: Letter - Notice

Global Id: T0605901553
Action Type: RESPONSE
Date: 03/22/2016
Action: Request for Closure - Regulator Responded

Global Id: T0605901553
Action Type: RESPONSE
Date: 03/22/2016
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Global Id: T0605901553
Action Type: RESPONSE
Date: 03/22/2016
Action: Other Workplan - Regulator Responded

Global Id: T0605901553
Action Type: RESPONSE
Date: 03/03/2016
Action: Request for Closure - Regulator Responded

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 06/23/2006
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 05/28/2003
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 04/26/2004
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 06/11/2007
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/16/2007
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 04/17/2006
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/21/2008
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/02/2005
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/27/2012
Action: Referral to Regional Board

Global Id: T0605901553
Action Type: ENFORCEMENT

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Date: 12/10/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901553
Action Type: RESPONSE
Date: 08/20/2003
Action: Soil and Water Investigation Report

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/20/2008
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 10/25/2006
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/26/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 03/02/2011
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 02/26/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0605901553
Action Type: Other
Date: 09/24/1992
Action: Leak Began

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 09/18/2008
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 11/20/2008
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 10/09/2008
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: Letter - Notice

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Global Id: T0605901553
Action Type: Other
Date: 09/24/1992
Action: Leak Discovery

Global Id: T0605901553
Action Type: Other
Date: 09/24/1992
Action: Leak Stopped

Global Id: T0605901553
Action Type: Other
Date: 09/24/1992
Action: Leak Reported

Global Id: T0605901553
Action Type: REMEDIATION
Date: 01/29/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605901553
Action Type: REMEDIATION
Date: 07/20/2000
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901553
Action Type: REMEDIATION
Date: 01/14/2004
Action: Other (Use Description Field)

Global Id: T0605901553
Action Type: REMEDIATION
Date: 05/23/1994
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901553
Action Type: REMEDIATION
Date: 11/13/2007
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605901553
Action Type: REMEDIATION
Date: 06/14/2004
Action: Free Product Removal

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 05/20/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 05/18/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Date: 05/18/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 05/18/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 07/02/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 07/10/2009
Action: Staff Letter

Global Id: T0605901553
Action Type: ENFORCEMENT
Date: 10/09/2009
Action: Staff Letter

LUST:
Global Id: T0605901553
Status: Open - Case Begin Date
Status Date: 09/24/1992

Global Id: T0605901553
Status: Open - Remediation
Status Date: 07/01/2000

Global Id: T0605901553
Status: Open - Assessment & Interim Remedial Action
Status Date: 12/06/2010

Global Id: T0605901553
Status: Open - Site Assessment
Status Date: 12/06/2010

ORANGE CO. UST:
Name: HUNTINGTON HARBOR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: FA0062468

Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN
City,State,Zip: HUNTINGTON BEACH 92649
Facility ID: FA43127

UST:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Facility ID: FA0024664
Permitting Agency: Orange County Environmental Health
Latitude: 33.71624
Longitude: -118.05045

Name: HUNTINGTON HARBOR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: 2174
Permitting Agency: ORANGE COUNTY
Latitude: 33.71608987
Longitude: -118.050247

CERS HAZ WASTE:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 173898
CERS ID: 10514614
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 173898
CERS ID: 10514614
CERS Description: Underground Storage Tank

CORTESE:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: CORTESE
Global ID: T0605901553
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION
Flag: active
File Name: Active Open

CERS:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 173898
CERS ID: 10514614
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-25-2014
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

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|---|---|
| | quantities. |
| Violation Notes: | Returned to compliance on 02/11/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-30-2017 |
| Citation: | 22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171 |
| Violation Description: | Failure to accumulate hazardous waste in a container that is in good condition. |
| Violation Notes: | 2- full 55 gallon drums on site . Last manifest was for 8/24/16. The label does not indicate a accumulation start date. To abate this violation have the drums picked up and send the receipt to this agency within 30 days. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HW |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 11-21-2014 |
| Citation: | 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f) |
| Violation Description: | Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced. |
| Violation Notes: | Returned to compliance on 01/07/2015. The Veeder Root TLS 350 monitoring panel did not have a tag or sticker indicating the last certification test. Affix tag/sticker on monitoring equipment being certified, repaired, or replaced. The tester provided a new sticker to the monitoring panel after the test was completed today. This is proof of compliance, therefore this violation was corrected today. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 01-28-2016 |
| Citation: | HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e) |
| Violation Description: | Failure to maintain secondary containment, as evidenced by failure of secondary containment testing. |
| Violation Notes: | Returned to compliance on 01/19/2017. The following failed testing: -- 87 fill, -- 87 STP -- UDC 3-8 Submit a plan Check for the failed components. It is required to give this agency 48 hour notification for testing and repair. Required to be repaired within 60 day of failed date. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 11-21-2014 |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Citation: | 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b) |
| Violation Description: | Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems. |
| Violation Notes: | Returned to compliance on 01/07/2015. The original compliance binder is missing and the replacement binder did not have the written monitoring and maintenance records for a period of 3 years, and 5 years for written performance claims pertaining to release detection systems. Maintain written monitoring and maintenance records for a period of 3 years, and 5 years for written performance claims pertaining to release detection systems. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 11-21-2014 |
| Citation: | 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c) |
| Violation Description: | Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. |
| Violation Notes: | Returned to compliance on 01/07/2015. The 91 grade line leak detector failed to detect a leak when tested. All line leak detectors shall be capable of detecting a 3-gallon per hour leak at 10 psi. The leak detector was not replaced during the inspection. Immediately have a properly licensed, trained, and certified contractor repair or replace the failed leak detector (LG 113-x listed, if applicable) and obtain a permit within one business day from the CUPA. If the failed leak detector canG t be replaced immediately, there is a possibility that the 91 grade UST system may be red tagged to prevent fuel inputs. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-21-2018 |
| Citation: | HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286 |
| Violation Description: | Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. |
| Violation Notes: | Returned to compliance on 08/15/2019. Information in CERS is incorrect. Please correct the UST monitoring plan and resubmit UST module to abate this violation. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-21-2018 |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Citation: | 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j) |
| Violation Description: | Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. |
| Violation Notes: | Returned to compliance on 08/21/2018. Fill 208 sensor in the supreme UST failed. The sensor was replaced, retested, and passed. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 03-24-2014 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 02/11/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 12-16-2016 |
| Citation: | HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3) |
| Violation Description: | Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities. |
| Violation Notes: | Returned to compliance on 03/24/2017. 3/24/2017 - update inventory TO INCLUDE LPG (18) 5 GAL CYLINDERS IN CAGE. |
| Violation Division: | Huntington Beach Fire Department |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

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| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 10-23-2014 |
| Citation: | HSC 6.95 25508(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(b) |
| Violation Description: | Failure to review, revise, and recertify the business plan at least once every three years. |
| Violation Notes: | Returned to compliance on 02/11/2015. "Failure to review, revise, and recertify the business plan at least once every three years. HSC 6.95 25505(c) " |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |

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|---|---|
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 11-21-2014 |
| Citation: | 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638 |
| Violation Description: | Failure to test leak detection equipment as required every 12 months |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

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|---|---|
| | (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test |
| Violation Notes: | Returned to compliance on 01/07/2015. The Owner/Operator did not test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.). The last monitoring system certification was conducted on 9-18-13 according to the Veeder Root Alarm history. However the stickers on the sensors indicated the last test was conducted on 9-17-13. Photos taken. Test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.) and submit monitoring system certification within 30 days of completion of the test. The annual monitoring system certification testing was completed today by MIT and all components passed testing. This is proof of compliance, therefore this violation is corrected today. Ensure the test results are forwarded to this agency with-in 30 days. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-15-2019 |
| Citation: | 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1) |
| Violation Description: | Failure of the leak detection equipment to have an audible and visual alarm as required. |
| Violation Notes: | Sensor 406 assosciated with UDC 7/8 failed. Please replace and retest this sensor immediately. notify this agency once the sensor has been tested. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-12-2020 |
| Citation: | HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1) |
| Violation Description: | Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days. |
| Violation Notes: | OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected. end a copy of the manifest to mescobedo@ochca.com or 714-586-6185. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HW |
| Violation Source: | CERS |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-21-2014
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 01/07/2015. The designated operator monthly inspection report(s) from 5/14 to 12/13 were not found on site. Designated operator monthly inspection reports for the previous twelve months shall be retained on site. I spoke with the Designated Operator Paul Vidakovich and he stated that the original compliance binder was lost. A partial compliance binder was available for review. Locate and ensure that copies of the previous twelve months of designated operator monthly inspection reports are maintained on site. Submit copies to the CUPA by 12-21-14 or with-in 30 days from now.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 09-09-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 01/19/2017. After an on site inspection the CERS 10514614 submittal has been declined make the following corrections: -- 91 sensor is a 205 in the turbine sump not 208, (other turbine and fills are 208's) -- Leak Detectors are Mechanical VMI's not Red Jacket -- UDCs are beaudrea 404 sensors. Also the facility page on CERS has been decline due to lack of EPA ID number . To abate this violation make corrections on CERS within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has received a Do not Permit letter due to facility out of compliance. Letter Sent to file .
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has submitted Electronically via CERS Violation I582 has been corrected. Request that site will be issued a permit.

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-15-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Status changed to receive a permit, per Negro.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Accepted Cers Submittal on this date FR 1/2/16-17
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Cers submittal declined on this date: -- Business activities page does not have EPA ID number. Accepted the first submittal on UST documents.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Met with Aaron Celiceo of PCET and Manager Enrique Bonilla of Huntington Harbor Car Wash. UST technician, VMI, and Veeder-Root certifications were current for A. Celiceo. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: VR-420 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor. In UDC 7/8, the UDC is monitored by a stand alon VR-001. - LD2000 line leak detectors. Documents available for review: - Training is current (7/7/20) - CFR/CFO is current (2/12/20) - last MC-8/15/2019 - Last SB989-11/19/2018 -Overfill tested on 8/15/2019. USTs have a ball float and ATG. CERS submittal was declined to to incorrect sensor type. please correct as soon as possible.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. Met with manager Enrique Bonilla of Huntington Harbor Car Wash. Consent was

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated was properly stored and labeled. -- Waste manifests for all waste streams were available for review. The last hazardous waste pick-up was in 2016. It appears your hazardous waste is past the accumulation date. Please schedule a pick-up immediately and send a copy of the manifest to this agency within 30 days of receipt of this report. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Met with John Babcock of PCET and Cesar Lopez of Chevron/Huntington Harbor Car Wash. UST technician, VMI, and Veeder-Root certifications were current for J. Babcock. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: VR-420 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor - Sensor in the UDC 7/8 failed. It will be replaced and retested within 30 days from receipt of this report. Documents available for review: - Training is current (7/11/19) - CFR/CFO is current (2/7/19) - last MC-8/21/2018 - Last SB989-11/19/2018 CERS submittal was declined to to incorrect sensor type. please correct as soon as possible.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Met with John Babcock of PCET. UST technician, VMI, and Veeder-Root certifications were current. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: Beaudraux 406 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor Documents available for review: - Training is current - CFR/CFO is current - last MC-8/30/2017 - Last SB989-11/7/2015 CERS submittal (8/2018) was declined.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual monitor certification. Technician Jessie from PECT who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: Regular and Premium unleaded. 208 sensors in the sumps. 420 sensors in annulars, VMI LD 2000. Dispensers are Beaudreau 406 stand alone sensors Monitor is a Veeder-Root and reads all functions normal. Alarm history and setup tape reviewed while on site. Inspected all open top sumps. The following were tested: --Sensors, initiated positive shutdown to the turbines when tested in water. --G Fail SafeG and G Sensor OutG , shutdown the turbines. --ATGG s, set at 90% for an external audio and visual alarm. --Spill buckets using a visual hydrostatic test. --Leak detectors. Documents available for review: 1) Permit 2) Maintenance and Testing records: -- Previous Monitoring System Certification conducted on 8/31/16 -- Previous Secondary Testing conducted on 11/7/15 3) Designated Operator [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a Hazardous Waste Inspection. Met with Manager who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: 2-55 gallon drums of oil water Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste Emergency Response information.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a Hazardous Waste Inspection. Met with Joe who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Oil/water from clarifier (pacific oil) and drums for flammable testing water. Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual monitor certification. Technician Jessie Kirk .from MIT who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: Dispensers are 406 sensors (standalone). Sump sensors are 208 sensors. Annular are 420. Overfill is an outside audio visual alarm Reviewed the alarm history and setup tape reviewed while on site. Inspected all open top sumps. Documents available for review: 1) Permit 2) Maintenance and Testing records: -- Previous Monitoring System Certification conducted on -- Previous Secondary Testing conducted on 11/7/15 3) Designated Operator monthly inspection reports. -- Alarm history is attached 4) Training Records 5) FR 1/22/16-17
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-02-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor Certification Notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Certified Letter/Final Notice mailed on 9/8/14 ref Hazmat Disclosure thru ESubmit.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a Hazardous Waste Inspection. Met with who explained the process, escorted me through the site and gave consent to enter/inspect. Facility just went through a remodel and no waste is on site at this time, spill bucket will be taken by tester. BEP is on site. Verified contact and owner information. .
Eval Division: Orange County Environmental Health

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-09-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Reviewed CERS for Monitor certification |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 09-09-2015 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to witness annual monitor certification. Technician Tony Locken form PCT from who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: 91 and 87 UST, 91 turbine is 205, 87 turbine and both fills are 208 sensors. Both leak detectors are Mechanical VMI. Annular sensors are 420, dispensers are stand alone Beaudreau404. Overfill is out side and visual alarm. Monitor is a Veeder-Root and reads all functions normal. Alarm history and setup tape reviewed while on site. Inspected all open top sumps. Documents available for review: 1) Permit 2) Maintenance and Testing records: -- Previous Monitoring System Certification conducted on -- Previous Secondary Testing conducted on 10/1/12 3) Designated Operator monthly inspection reports. -- Alarm history is attached 4) Training Records 5) FR 1/22/15 to 16 Please submit a copy of Monitor Certification to this agency within 30 days. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-10-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | After an on site inspection the CERS 10514614 submittal has been declined make the following corrections: -- 91 sensor is a 205 in the turbine sump not 208, (other turbine and fills are 208's) -- Leak Detectors are Mechanical VMI's not Red Jacket -- UDCs are beaudrea 404 sensors. Also the facility page on CERS has been decline due to lack of EPA ID number |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 10-08-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Monitoring System Certification for testing conducted on 9/9/15 by Tony Locken from PCET INC INcluded in report is: -- site map -- Spill bucket Testing report form -- Test tape Monitor System Certification passed testing. |
| Eval Division: | Orange County Environmental Health |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 10-23-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Elevated to Class II. Letter mailed. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 11-03-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | SB989 Notification |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 11-14-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Monitoring System Certification for testing conducted on 8/3/17. The following were included in the report: -- Site plan -- Spill Bucket Testing Report form - Passing -- Test tape. Monitor System Certification passed testing. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-21-2014 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Huntington Harbor Car Wash 16921 Algonquin St. Huntington Beach CA, 92649 Manger : Carlos Rendon Owner : Russell Fisher Partnership On site to conduct a new hazardous waste generator inspection. Consent to inspect and take photos at the facility was provided by the Manager Carlos Rendon. The facility is an Gasoline Service Station and is currently under a Store remodel. Hazardous wastes generated includes: - Waste gasoline contaminated solids - Waste gasoline contaminated liquids - Used fuel filters Facility will be routinely inspected for the following hazardous waste management practices: -All hazardous waste containers must be properly labeled with the words "hazardous waste", waste name, owner information, hazardous property, physical state and accumulation date. -All hazardous waste containers must be closed at all times. -All hazardous waste must be properly disposed using a State registered hauler. -Facility must obtain an EPA ID # by [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Date: | 11-21-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Onsite to conduct routine UST inspection. The Monitoring System Certification testing was conducted by Jesse Kirk of MIT and his certifications and licenses are current and valid. The Veeder-Root TLS-350 monitoring panel displayed "all functions normal" and audible and visual alarms were demonstrated operational. The panel was noted marked with a sticker from the most recent monitoring certification ( 8/27/13 ). The tester provided a copy of the Alarm History and the VR Tape indicated the last monitoring certification was 9/18/13 and the sticker on the sensors indicated the last test was 9/17/13. This yearG s monitoring system certification test was due by 9/18/14 (see violation). The tester provided updated certification sticker to all components tested today, therefore violation _____ is abated today. The following Observations were made: The test boots of the piping was pulled back allowing the interstitial space of the piping to be monitored by the STP sump [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-25-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Mailed NOV letter (first class mail) to occupant for failure to establish and implement a HMBP. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-03-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | On site for a follow up inspection. Facility has lost its compliance binder due to construction. A new binder has been made and DO Report are available. Training has been conducted. Spoke to Paul on this date via phone. He explained that the binder was misplaced. Reviewed the work orders and the 91 leak detector was replaced on the date of fail. Awaiting the test reports. Violations I319, I3276 and I696 have been abated. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-10-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | CERS: Not Accept Facility information page: The Facility forms & UST forms do not all match for Owner & Operator |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 12-16-2016 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-20-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up report. On 8/30/17 this agency conducted a routine inspection. During the inspection the following violation was cited: -- I720 - 2- drums of water/gasoline on site (label was unclear on the accumulation date) Last manifest on site was 8/24/16. TO abate this violation have picked up and send the manifest to this agency immediately. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-07-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Reviewed open violations. Corrected Previously corrected violations. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-19-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Corrected previously corrected violations in EC |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-28-2016 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment testing Report Form for testing conducted on 11/7/2015 by Jason Barber from MIT engineering. The following passed testing: -- 87, 91, annular -- 87 and 91 Secondary -- 87 , 91 spill bucket -- 91 STP -- 91 Fill -- UDC 1/2 The following failed testing: -- 87 fill, -- 87 STP -- UDC 3-8 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 02-01-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Notes: | Reviewed and Approved Plan on this date. Scope of work 1. 87 Fill and 87 STP Sumps replace existing piping penetration fittings with Icon Penetration fittings. 2. Replace damaged product piping penetration fittings 3-8. 3. SB989 testing Requested Contractor information (not included) |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 02-11-2020 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 02-17-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Answered CERS Question for Paul V. - Not in CERS Yet. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-24-2014 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-26-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Spoke to chase on this date, he requested a duplicate permit sent to site. Emailed Christine lane for duplicate permit. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-27-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Declined ust portion; The FR site name is wrong. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-28-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Notes: | Accepted CERS submittal. Corrections made |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Email, message to chase russlle and paul vidakovick Facility is beyond the time given for repairs for SB989 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Emailed Paul and Chase Received email: We should have repairs completed next week. We will call you next week to schedule the inspection and retest for this facility. I apologize for the delay on getting this taken care of. Jesse W. Kirk M.I.T. Engineering & Construction, Inc. 760-721-4120 Office Fax 760-721-4209 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Facility has had failed Secondary Components. SB9898 11/7/16 Failed -- 87 Fill -- 87 STP -- UDC 3-8 Facility has exceeded the 60 day repair/retest time frame. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up report: The following violation remains outstanding: Secondary Components failed on 11/7/16 -- 87 Fill -- 87 STP -- UDC 3-8 The time frame to have repaired and retested was 60 days. This facility has exceeded the 60 day time period. Failure to repair and retest the components will result in a PERMIT REVOCATION and Enforcement. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-18-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Notes: | On site for a retest of failed secondary components on this date with Jason Barber with MIT who is ICC tester, installer certified. On this dated tested the following with incon .002 inch precision test: -- 87 STP -- 87 FIll -- UDC 3/4 -- UDC 5/6 - PAssed -- UDC 7/8- Passed |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-21-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Review site compliance prior to permitting. Violation outstanding: (I582) nonsubmittal of electronic UST docs. Recommend: send Permit Warning Letter. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-22-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Change UST status to not get a permit, per Negro. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-28-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Spoke to Chase on this date regarding issue of not submitting electronically. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-03-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | file review |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Recommend to CLOSES CO All documents received. PRINT OUT CO AND CLOSE |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Source: | CERS |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Recommend to close SR ALL Documents received. PRINT OUT AND CLOSED |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Violation I382 - Failed secondary components has been corrected. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

Coordinates:

| | |
|---|---|
| Site ID: | 173898 |
| Facility Name: | HUNTINGTON HARBOUR CAR WASH |
| Env Int Type Code: | HWG |
| Program ID: | 10514614 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.716240 |
| Longitude: | -118.050450 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Russell Fisher Partnership |
| Affiliation Address: | 1710 Baker Street |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 334-0517 |
| Affiliation Type Desc: | Property Owner |
| Entity Name: | Russel Fisher LP |
| Affiliation Address: | 16061 Beach Blvd |
| Affiliation City: | Huntington Bch |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 842-4453 |
| Affiliation Type Desc: | UST Tank Owner |
| Entity Name: | Russell Fisher LP |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Affiliation Address: | 18971 Algonquin Street |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 925648 |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Paul Vidakovich-PCET |
| Affiliation Address: | 3720 Oceanic Way #205 |
| Affiliation City: | Oceanside |
| Affiliation State: | CA |
| Affiliation Zip: | 92056 |
| | |
| Affiliation Type Desc: | UST Property Owner Name |
| Entity Name: | Russell Fisher, LP |
| Affiliation Address: | 16061 Beach Blv |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | UST Tank Operator |
| Entity Name: | Russel Fisher Partnership |
| Affiliation Address: | 16921 Algonquin St |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92649 |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| | |
| Affiliation Type Desc: | Operator |
| Entity Name: | Russell Fisher Partnership |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | HUNTINGTON HARBOUR CAR WASH |
| | |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Paul Vidakovich |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | 16921 Algonquin St |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Zip: | 92649 |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Affiliation Type Desc: Identification Signer
Entity Name: Paul Vidakovich
Entity Title: Consultant

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Phone: 9517823238

Affiliation Type Desc: UST Permit Applicant
Entity Name: Paul Vidakovich
Entity Title: Consultant
Affiliation Phone: 760-421-400

Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 173898
CERS ID: T0605901553
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-25-2014
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/11/2015.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 08-30-2017
Citation: 22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description: Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes: 2- full 55 gallon drums on site . Last manifest was for 8/24/16. The label does not indicate a accumulation start date. To abate this violation have the drums picked up and send the receipt to this agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-21-2014
Citation: 23 CCR 16 2638(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(f)

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Violation Description: Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes: Returned to compliance on 01/07/2015. The Veeder Root TLS 350 monitoring panel did not have a tag or sticker indicating the last certification test. Affix tag/sticker on monitoring equipment being certified, repaired, or replaced. The tester provided a new sticker to the monitoring panel after the test was completed today. This is proof of compliance, therefore this violation was corrected today.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 01-28-2016
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 01/19/2017. The following failed testing: -- 87 fill, -- 87 STP -- UDC 3-8 Submit a plan Check for the failed components. It is required to give this agency 48 hour notification for testing and repair. Required to be repaired within 60 day of failed date.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-21-2014
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes: Returned to compliance on 01/07/2015. The original compliance binder is missing and the replacement binder did not have the written monitoring and maintenance records for a period of 3 years, and 5 years for written performance claims pertaining to release detection systems. Maintain written monitoring and maintenance records for a period of 3 years, and 5 years for written performance claims pertaining to release detection systems.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-21-2014
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| | audible and visual alarm. |
| Violation Notes: | Returned to compliance on 01/07/2015. The 91 grade line leak detector failed to detect a leak when tested. All line leak detectors shall be capable of detecting a 3-gallon per hour leak at 10 psi. The leak detector was not replaced during the inspection. Immediately have a properly licensed, trained, and certified contractor repair or replace the failed leak detector (LG 113-x listed, if applicable) and obtain a permit within one business day from the CUPA. If the failed leak detector canG t be replaced immediately, there is a possibility that the 91 grade UST system may be red tagged to prevent fuel inputs. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-21-2018 |
| Citation: | HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286 |
| Violation Description: | Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. |
| Violation Notes: | Returned to compliance on 08/15/2019. Information in CERS is incorrect. Please correct the UST monitoring plan and resubmit UST module to abate this violation. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-21-2018 |
| Citation: | 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j) |
| Violation Description: | Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly. |
| Violation Notes: | Returned to compliance on 08/21/2018. Fill 208 sensor in the supreme UST failed. The sensor was replaced, retested, and passed. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 03-24-2014 |
| Citation: | HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a) |
| Violation Description: | Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. |
| Violation Notes: | Returned to compliance on 02/11/2015. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 12-16-2016 |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Citation: | HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3) |
| Violation Description: | Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities. |
| Violation Notes: | Returned to compliance on 03/24/2017. 3/24/2017 - update inventory TO INCLUDE LPG (18) 5 GAL CYLINDERS IN CAGE. |
| Violation Division: | Huntington Beach Fire Department |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 10-23-2014 |
| Citation: | HSC 6.95 25508(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(b) |
| Violation Description: | Failure to review, revise, and recertify the business plan at least once every three years. |
| Violation Notes: | Returned to compliance on 02/11/2015. "Failure to review, revise, and recertify the business plan at least once every three years. HSC 6.95 25505(c) " |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | HMRRP |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 11-21-2014 |
| Citation: | 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638 |
| Violation Description: | Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test |
| Violation Notes: | Returned to compliance on 01/07/2015. The Owner/Operator did not test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.). The last monitoring system certification was conducted on 9-18-13 according to the Veeder Root Alarm history. However the stickers on the sensors indicated the last test was conducted on 9-17-13. Photos taken. Test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.) and submit monitoring system certification within 30 days of completion of the test. The annual monitoring system certification testing was completed today by MIT and all components passed testing. This is proof of compliance, therefore this violation is corrected today. Ensure the test results are forwarded to this agency with-in 30 days. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |
| | |
| Site ID: | 173898 |
| Site Name: | HUNTINGTON HARBOUR CAR WASH |
| Violation Date: | 08-15-2019 |
| Citation: | 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1) |
| Violation Description: | Failure of the leak detection equipment to have an audible and visual alarm as required. |
| Violation Notes: | Sensor 406 assosciated with UDC 7/8 failed. Please replace and retest |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

this sensor immediately. notify this agency once the sensor has been tested.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 08-12-2020
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected. end a copy of the manifest to mescobedo@ochca.com or 714-586-6185.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH
Violation Date: 11-21-2014
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes: Returned to compliance on 01/07/2015. The designated operator monthly inspection report(s) from 5/14 to 12/13 were not found on site. Designated operator monthly inspection reports for the previous twelve months shall be retained on site. I spoke with the Designated Operator Paul Vidakovich and he stated that the original compliance binder was lost. A partial compliance binder was available for review. Locate and ensure that copies of the previous twelve months of designated operator monthly inspection reports are maintained on site. Submit copies to the CUPA by 12-21-14 or with-in 30 days from now.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 173898
Site Name: HUNTINGTON HARBOUR CAR WASH

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Violation Date: | 09-09-2015 |
| Citation: | 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i) |
| Violation Description: | Failure to maintain on site an approved monitoring plan. |
| Violation Notes: | Returned to compliance on 01/19/2017. After an on site inspection the CERS 10514614 submittal has been declined make the following corrections: -- 91 sensor is a 205 in the turbine sump not 208, (other turbine and fills are 208's) -- Leak Detectors are Mechanical VMI's not Red Jacket -- UDCs are beaudrea 404 sensors. Also the facility page on CERS has been decline due to lack of EPA ID number . To abate this violation make corrections on CERS within 30 days. |
| Violation Division: | Orange County Environmental Health |
| Violation Program: | UST |
| Violation Source: | CERS |

Evaluation:

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-12-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Facility has received a Do not Permit letter due to facility out of compliance. Letter Sent to file . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-12-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Facility has submitted Electronically via CERS Violation I582 has been corrected. Request that site will be issued a permit. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-15-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Status changed to receive a permit, per Negro. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 08-03-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Accepted Cers Submittal on this date FR 1/2/16-17 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 08-10-2015 |
| Violations Found: | No |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Cers submittal declined on this date: -- Business activities page does not have EPA ID number. Accepted the first submittal on UST documents. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-12-2020 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Met with Aaron Celiceo of PCET and Manager Enrique Bonilla of Huntington Harbor Car Wash. UST technician, VMI, and Veeder-Root certifications were current for A. Celiceo. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: VR-420 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor. In UDC 7/8, the UDC is monitored by a stand alon VR-001. - LD2000 line leak detectors. Documents available for review: - Training is current (7/7/20) - CFR/CFO is current (2/12/20) - last MC-8/15/2019 - Last SB989-11/19/2018 -Overfill tested on 8/15/2019. USTs have a ball float and ATG. CERS submittal was declined to to incorrect sensor type. please correct as soon as possible. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-12-2020 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a routine hazardous waste inspection. Met with manager Enrique Bonilla of Huntington Harbor Car Wash. Consent was provided to enter and conduct inspection activities. The following was observed on this date: -- Hazardous waste generated was properly stored and labeled. -- Waste manifests for all waste streams were available for review. The last hazardous waste pick-up was in 2016. It appears your hazardous waste is past the accumulation date. Please schedule a pick-up immediately and send a copy of the manifest to this agency within 30 days of receipt of this report. -- Perimeter of the facility was inspected. Did not observe any indication of a hazardous waste release or illegal dumping along the perimeter of the facility. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-15-2019 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Met with John Babcock of PCET and Cesar Lopez of Chevron/Huntington Harbor Car Wash. UST technician, VMI, and Veeder-Root certifications were current for J. Babcock. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: VR-420 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor - Sensor in the UDC 7/8 failed. It will be replaced and retested within 30 days from receipt of this report. Documents available for review: - Training is current (7/11/19) - CFR/CFO is current (2/7/19) - last |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

MC-8/21/2018 - Last SB989-11/19/2018 CERS submittal was declined to to incorrect sensor type. please correct as soon as possible.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Met with John Babcock of PCET. UST technician, VMI, and Veeder-Root certifications were current. Facility has (2) DW USTs containing Supreme (12k) and regular (10k) gasoline. Sensors are: - Annular: Beaudraux 406 sensor - STP/fill Sump: VR-208 - UDCs: Beaudraux 406 sensor Documents available for review: - Training is current - CFR/CFO is current - last MC-8/30/2017 - Last SB989-11/7/2015 CERS submittal (8/2018) was declined.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual monitor certification. Technician Jessie from PECT who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: Regular and Premium unleaded. 208 sensors in the sumps. 420 sensors in annulars, VMI LD 2000. Dispensers are Beaudreau 406 stand alone sensors Monitor is a Veeder-Root and reads all functions normal. Alarm history and setup tape reviewed while on site. Inspected all open top sumps. The following were tested: --Sensors, initiated positive shutdown to the turbines when tested in water. --G Fail SafeG and G Sensor OutG , shutdown the turbines. --ATGG s, set at 90% for an external audio and visual alarm. --Spill buckets using a visual hydrostatic test. --Leak detectors. Documents available for review: 1) Permit 2) Maintenance and Testing records: -- Previous Monitoring System Certification conducted on 8/31/16 -- Previous Secondary Testing conducted on 11/7/15 3) Designated Operator [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Manager who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: 2-55 gallon drums of oil water Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste Emergency Response information. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-31-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with Joe who explained the process, escorted me through the site and gave consent to enter/inspect. Facility contains: Oil/water from clarifier (pacific oil) and drums for flammable testing water. Hazardous waste containers are properly labeled and covered. All containers storing hazardous waste must be labeled with the following information: 1. The words G HAZARDOUS WasteG 2. Waste (name) 3. Hazardous property of the waste (e.g. G toxic, flammable, corrosive, etc.) 4. Physical state of the waste (liquid or solid) 5. Name and address of the business. 6. Accumulation date (date the first drop of waste has been placed in container) Documents Available for review: 1. Hazardous waste Manifest/Receipts (keep a copy on site for three years). - Note: A copy of the federal manifest must be sent to DTSC. (Department of Toxic Substances Control, P.O. Box 400, Sacramento, CA 95812-0400). 2. Hazardous Waste [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 08-31-2016 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to witness annual monitor certification. Technician Jessie Kirk .from MIT who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: Dispensers are 406 sensors (standalone). Sump sensors are 208 sensors. Annular are 420. Overfill is an outside audio visual alarm Reviewed the alarm history and setup tape reviewed while on site. Inspected all open top sumps. Documents available for review: 1) Permit 2) Maintenance and Testing records: -- Previous Monitoring System Certification conducted on -- Previous Secondary Testing conducted on 11/7/15 3) Designated Operator monthly inspection reports. -- Alarm history is attached 4) Training Records 5) FR 1/22/16-17 |
| Eval Division: | Orange County Environmental Health |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-02-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Monitor Certification Notification |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-08-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Certified Letter/Final Notice mailed on 9/8/14 ref Hazmat Disclosure thru ESubmit. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 09-09-2015 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to conduct a Hazardous Waste Inspection. Met with who explained the process, escorted me through the site and gave consent to enter/inspect. Facility just went through a remodel and no waste is on site at this time, spill bucket will be taken by tester. BEP is on site. Verified contact and owner information. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 09-09-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Reviewed CERS for Monitor certification |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 09-09-2015 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | On site to witness annual monitor certification. Technician Tony Locken form PCT from who certified the monitoring system has ICC Certification and Veeder-Root Certified Facility contains: 91 and 87 UST, 91 turbine is 205, 87 turbine and both fills are 208 sensors. Both leak detectors are Mechanical VMI. Annular sensors are 420, dispensers are stand alone Beaudreau404. Overfill is out side and visual alarm. Monitor is a Veeder-Root and reads all functions normal. Alarm history and setup tape reviewed while on site. Inspected all open top sumps. Documents available for review: 1) Permit 2) |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Maintenance and Testing records: -- Previous Monitoring System Certification conducted on -- Previous Secondary Testing conducted on 10/1/12 3) Designated Operator monthly inspection reports. -- Alarm history is attached 4) Training Records 5) FR 1/22/15 to 16 Please submit a copy of Monitor Certification to this agency within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: After an on site inspection the CERS 10514614 submittal has been declined make the following corrections: -- 91 sensor is a 205 in the turbine sump not 208, (other turbine and fills are 208's) -- Leak Detectors are Mechanical VMI's not Red Jacket -- UDCs are beaudrea 404 sensors. Also the facility page on CERS has been decline due to lack of EPA ID number
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received the Monitoring System Certification for testing conducted on 9/9/15 by Tony Locken from PCET INC INcluded in report is: -- site map -- Spill bucket Testing report form -- Test tape Monitor System Certification passed testing.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Elevated to Class II. Letter mailed.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-03-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 Notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Notes: | Received the Monitoring System Certification for testing conducted on 8/3/17. The following were included in the report: -- Site plan -- Spill Bucket Testing Report form - Passing -- Test tape. Monitor System Certification passed testing. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-21-2014 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Huntington Harbor Car Wash 16921 Algonquin St. Huntington Beach CA, 92649 Manger : Carlos Rendon Owner : Russell Fisher Partnership On site to conduct a new hazardous waste generator inspection. Consent to inspect and take photos at the facility was provided by the Manager Carlos Rendon. The facility is an Gasoline Service Station and is currently under a Store remodel. Hazardous wastes generated includes: - Waste gasoline contaminated solids - Waste gasoline contaminated liquids - Used fuel filters Facility will be routinely inspected for the following hazardous waste management practices: -All hazardous waste containers must be properly labeled with the words "hazardous waste", waste name, owner information, hazardous property, physical state and accumulation date. -All hazardous waste containers must be closed at all times. -All hazardous waste must be properly disposed using a State registered hauler. -Facility must obtain an EPA ID # by [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-21-2014 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Notes: | Onsite to conduct routine UST inspection. The Monitoring System Certification testing was conducted by Jesse Kirk of MIT and his certifications and licenses are current and valid. The Veeder-Root TLS-350 monitoring panel displayed "all functions normal" and audible and visual alarms were demonstrated operational. The panel was noted marked with a sticker from the most recent monitoring certification ( 8/27/13 ). The tester provided a copy of the Alarm History and the VR Tape indicated the last monitoring certification was 9/18/13 and the sticker on the sensors indicated the last test was 9/17/13. This yearG s monitoring system certification test was due by 9/18/14 (see violation). The tester provided updated certification sticker to all components tested today, therefore violation _____ is abated today. The following Observations were made: The test boots of the piping was pulled back allowing the interstitial space of the piping to be monitored by the STP sump [Truncated] |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 11-25-2014 |
| Violations Found: | Yes |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Type: | Routine done by local agency |
| Eval Notes: | Mailed NOV letter (first class mail) to occupant for failure to establish and implement a HMBP. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-03-2014 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | On site for a follow up inspection. Facility has lost its compliance binder due to construction. A new binder has been made and DO Report are available. Training has been conducted. Spoke to Paul on this date via phone. He explained that the binder was misplaced. Reviewed the work orders and the 91 leak detector was replaced on the date of fail. Awaiting the test reports. Violations I319, I3276 and I696 have been abated. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-10-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | CERS: Not Accept Facility information page: The Facility forms & UST forms do not all match for Owner & Operator |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 12-16-2016 |
| Violations Found: | Yes |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 12-20-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up report. On 8/30/17 this agency conducted a routine inspection. During the inspection the following violation was cited: -- I720 - 2- drums of water/gasoline on site (label was unclear on the accumulation date) Last manifest on site was 8/24/16. TO abate this violation have picked up and send the manifest to this agency immediately. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HW |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-07-2015 |
| Violations Found: | No |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Reviewed open violations. Corrected Previously corrected violations. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-19-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Corrected previously corrected violations in EC |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 01-28-2016 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment testing Report Form for testing conducted on 11/7/2015 by Jason Barber from MIT engineering. The following passed testing: -- 87, 91, annular -- 87 and 91 Secondary -- 87 , 91 spill bucket -- 91 STP -- 91 Fill -- UDC 1/2 The following failed testing: -- 87 fill, -- 87 STP -- UDC 3-8 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 02-01-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Reviewed and Approved Plan on this date. Scope of work 1. 87 Fill and 87 STP Sumps replace existing piping penetration fittings with Icon Penetration fittings. 2. Replace damaged product piping penetration fittings 3-8. 3. SB989 testing Requested Contractor information (not included) |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Compliance Evaluation Inspection |
| Eval Date: | 02-11-2020 |
| Violations Found: | No |
| Eval Type: | Routine done by local agency |
| Eval Division: | Huntington Beach Fire Department |
| Eval Program: | HMRRP |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 02-17-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Answered CERS Question for Paul V. - Not in CERS Yet. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-24-2014 |
| Violations Found: | Yes |
| Eval Type: | Other, not routine, done by local agency |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | HMRRP |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-26-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Spoke to chase on this date, he requested a duplicate permit sent to site. Emailed Christine lane for duplicate permit. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-27-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Declined ust portion; The FR site name is wrong. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 03-28-2017 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Accepted CERS submittal. Corrections made |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Email, message to chase russlle and paul vidakovick Facility is beyond the time given for repairs for SB989 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

| | |
|---|---|
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Emailed Paul and Chase Received email: We should have repairs completed next week. We will call you next week to schedule the inspection and retest for this facility. I apologize for the delay on getting this taken care of. Jesse W. Kirk M.I.T. Engineering & Construction, Inc. 760-721-4120 Office Fax 760-721-4209 |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Facility has had failed Secondary Components. SB9898 11/7/16 Failed -- 87 Fill -- 87 STP -- UDC 3-8 Facility has exceeded the 60 day repair/retest time frame. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 04-26-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | This is a follow up report: The following violation remains outstanding: Secondary Components failed on 11/7/16 -- 87 Fill -- 87 STP -- UDC 3-8 The time frame to have repaired and retested was 60 days. This facility has exceeded the 60 day time period. Failure to repair and retest the components will result in a PERMIT REVOCATION and Enforcement. . |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-18-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | On site for a retest of failed secondary components on this date with Jason Barber with MIT who is ICC tester, installer certified. On this dated tested the following with incon .002 inch precision test: -- 87 STP -- 87 FIll -- UDC 3/4 -- UDC 5/6 - PAssed -- UDC 7/8- Passed |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-21-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Review site compliance prior to permitting. Violation outstanding: (I582) nonsubmittal of electronic UST docs. Recommend: send Permit Warning Letter. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-22-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Change UST status to not get a permit, per Negro. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 05-28-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Spoke to Chase on this date regarding issue of not submitting electronically. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-03-2015 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | file review |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Recommend to CLOSES CO All documents received. PRINT OUT CO AND CLOSE |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Recommend to close SR ALL Documents received. PRINT OUT AND CLOSED |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |
| | |
| Eval General Type: | Other/Unknown |
| Eval Date: | 06-06-2016 |
| Violations Found: | No |
| Eval Type: | Other, not routine, done by local agency |
| Eval Notes: | Received the Secondary Containment Testing Report Form for retest conducted on 5/18/16. The following passed testing: -- 87 fill -- 87 STP -- UDC 3-5 -- UDC 5-6 -- UDC 7-8 Violation I382 - Failed secondary components has been corrected. |
| Eval Division: | Orange County Environmental Health |
| Eval Program: | UST |
| Eval Source: | CERS |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Coordinates:

| | |
|---|---|
| Site ID: | 173898 |
| Facility Name: | HUNTINGTON HARBOUR CAR WASH |
| Env Int Type Code: | HWG |
| Program ID: | 10514614 |
| Ref Point Type Desc: | Center of a facility or station. |
| Latitude: | 33.716240 |
| Longitude: | -118.050450 |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Legal Owner |
| Entity Name: | Russell Fisher Partnership |
| Affiliation Address: | 1710 Baker Street |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 334-0517 |

| | |
|---|---|
| Affiliation Type Desc: | Property Owner |
| Entity Name: | Russel Fisher LP |
| Affiliation Address: | 16061 Beach Blvd |
| Affiliation City: | Huntington Bch |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 842-4453 |

| | |
|---|---|
| Affiliation Type Desc: | UST Tank Owner |
| Entity Name: | Russell Fisher LP |
| Affiliation Address: | 18971 Algonquin Street |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 925648 |
| Affiliation Phone: | (714) 846-5544 |

| | |
|---|---|
| Affiliation Type Desc: | Environmental Contact |
| Entity Name: | Paul Vidakovich-PCET |
| Affiliation Address: | 3720 Oceanic Way #205 |
| Affiliation City: | Oceanside |
| Affiliation State: | CA |
| Affiliation Zip: | 92056 |

| | |
|---|---|
| Affiliation Type Desc: | UST Property Owner Name |
| Entity Name: | Russell Fisher, LP |
| Affiliation Address: | 16061 Beach Blv |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92648 |
| Affiliation Phone: | (714) 846-5544 |

| | |
|---|---|
| Affiliation Type Desc: | UST Tank Operator |
| Entity Name: | Russel Fisher Partnership |
| Affiliation Address: | 16921 Algonquin St |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

| | |
|---|---|
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Country: | United States |
| Affiliation Zip: | 92649 |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | CUPA District |
| Entity Name: | Orange County Env Health |
| Affiliation Address: | 1241 East Dyer RoadSuite 120 |
| Affiliation City: | Santa Ana |
| Affiliation State: | CA |
| Affiliation Zip: | 92705-5611 |
| Affiliation Phone: | (714) 433-6406 |
| | |
| Affiliation Type Desc: | Operator |
| Entity Name: | Russell Fisher Partnership |
| Affiliation Phone: | (714) 846-5544 |
| | |
| Affiliation Type Desc: | Parent Corporation |
| Entity Name: | HUNTINGTON HARBOUR CAR WASH |
| | |
| Affiliation Type Desc: | Document Preparer |
| Entity Name: | Paul Vidakovich |
| | |
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Affiliation Address: | 16921 Algonquin St |
| Affiliation City: | Huntington Beach |
| Affiliation State: | CA |
| Affiliation Zip: | 92649 |
| | |
| Affiliation Type Desc: | Identification Signer |
| Entity Name: | Paul Vidakovich |
| Entity Title: | Consultant |
| | |
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8) |
| Affiliation Address: | 3737 Main Street, Suite 500 |
| Affiliation City: | RIVERSIDE |
| Affiliation State: | CA |
| Affiliation Phone: | 9517823238 |
| | |
| Affiliation Type Desc: | UST Permit Applicant |
| Entity Name: | Paul Vidakovich |
| Entity Title: | Consultant |
| Affiliation Phone: | 760-421-400 |

HWTS:

| | |
|---|---|
| Name: | HUNTINGTON HARBOUR CAR WASH |
| Address: | 16921 ALGONQUIN ST |
| City,State,Zip: | HUNTINGTON BEACH, CA 926490000 |
| EPA ID: | CAL000381703 |
| Inactive Date: | 06/30/2015 |
| Create Date: | 01/22/2013 |
| Last Act Date: | 01/27/2016 |
| Mailing Address: | 16061 BEACH BLVD |

**HUNTINGTON HARBOUR CAR WASH (Continued)** **U003659641**

Mailing City,State,Zip: HUNTINGTON BEACH, CA 926470000
Owner Name: RUSSELL FISCHER INC
Owner Address: 16921 ALGONQUIN ST
Owner City,State,Zip: HUNTINGTON BEACH, CA 926490000
Contact Name: CHASE RUSSELL
Contact Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 926490000

NAICS:
EPA ID: CAL000381703
Create Date: 2013-01-22 08:55:49.297
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2013-01-22 08:55:49.28000
Inactive Date: 2015-06-30 00:00:00
Facility Name: HUNTINGTON HARBOUR CAR WASH
Facility Address: 16921 ALGONQUIN ST
Facility City: HUNTINGTON BEACH
Facility State: CA
Facility Zip: 926490000

---

**K74** **HUNTINGTON HARBOUR CAR WASH** **Notify 65** **S100453830**
**WNW** **16921 ALGONQUIN ST.** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649**
**0.465 mi.**
**2454 ft.** **Site 3 of 4 in cluster K**

**Relative:**
**Lower**
**Actual:**
**28 ft.**

NOTIFY 65:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST.
City,State,Zip: HUNTINGTON BEACH, CA 92649-3812
Date Reported: 19920707
Board File Number: 0LG921232
Facility Type: Leak Rpt

Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST.
City,State,Zip: HUNTINGTON BEACH, CA 92649-3812
Date Reported: 19920707
Board File Number: 0LG921232
Facility Type: Leak Rpt

---

**K75** **HUNTINGTON HARBOR CAR WASH** **LUST** **S101609553**
**WNW** **16921 ALGONQUIN ST** **CA FID UST** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649** **HIST CORTESE**
**0.465 mi.**
**2454 ft.** **Site 4 of 4 in cluster K**

**Relative:**
**Lower**
**Actual:**
**28 ft.**

ORANGE CO. LUST:
Name: HUNTINGTON HARBOUR CAR WASH
Address: 16921 ALGONQUIN ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: ORANGE
Facility Id: 92UT144
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 03/27/2012

**HUNTINGTON HARBOR CAR WASH (Continued)** **S101609553**

Record ID: RO0000917

CA FID UST:
Facility ID: 30001306
Regulated By: UTNKA
Facility Phone: 7148465544
Mailing Address: C/O ALEC VALK 25909
Mailing City,St,Zip: HUNTINGTON BEACH 92649
Status: Active

HIST CORTESE:
edr_fname: HUNTINGTON HARBOR CAR WAS
edr_fadd1: 16921
City,State,Zip: HUNTINGTON BEACH, CA 92649
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002086T

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**76**
**ENE**
**1/4-1/2**
**0.486 mi.**
**2568 ft.**

**BOUCHER LANDFILL** **SEMS-ARCHIVE** **1015732802**
**WARNER AVE E OF BOLSA CHICA ST** **RCRA NonGen / NLR** **CAD089133045**
**HUNTINGTON BEACH, CA 92649**

**Relative:**
**Lower**

**Actual:**
**14 ft.**

SEMS Archive:
Site ID: 0901651
EPA ID: CAD089133045
Name: BOUCHER LANDFILL
Address: WARNER AVE E OF BOLSA CHICA ST
City,State,Zip: HUNTINGTON BEACH, CA 92649
Cong District: 34
FIPS Code: 06059
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0901651
EPA ID: CAD089133045
Site Name: BOUCHER LANDFILL
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Finish Date: 1983-02-01 05:00:00
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901651
EPA ID: CAD089133045
Site Name: BOUCHER LANDFILL
NPL: N
FF: N

**BOUCHER LANDFILL (Continued)** **1015732802**

| | |
|---|---|
| OU: | 00 |
| Action Code: | DS |
| Action Name: | DISCVRY |
| SEQ: | 1 |
| Start Date: | 1979-11-01 05:00:00 |
| Finish Date: | 1979-11-01 05:00:00 |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0901651 |
| EPA ID: | CAD089133045 |
| Site Name: | BOUCHER LANDFILL |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | HR |
| Action Name: | HAZRANK |
| SEQ: | 1 |
| Finish Date: | 1981-10-01 04:00:00 |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0901651 |
| EPA ID: | CAD089133045 |
| Site Name: | BOUCHER LANDFILL |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | PA |
| Action Name: | PA |
| SEQ: | 1 |
| Finish Date: | 1983-02-01 05:00:00 |
| Qual: | N |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 09 |
| Site ID: | 0901651 |
| EPA ID: | CAD089133045 |
| Site Name: | BOUCHER LANDFILL |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | SI |
| Action Name: | SI |
| SEQ: | 1 |
| Start Date: | 1979-10-01 04:00:00 |
| Finish Date: | 1981-10-01 04:00:00 |
| Qual: | N |
| Current Action Lead: | St Perf |

RCRA NonGen / NLR:

| | | |
|---|---|---|
| Date Form Received by Agency: | | 1981-03-17 00:00:00.0 |
| Handler Name: | K & H JOHNSON LTD | |
| Handler Address: | | 10853 BOLSA CHICA ST |
| Handler City,State,Zip: | | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | | CAD089133045 |

**BOUCHER LANDFILL (Continued)** **1015732802**

| | |
|---|---|
| Contact Name: | ENVIRONMENTAL MANAGER |
| Contact Address: | BOLSA CHICA SO OF WARNER TRACT |
| Contact City,State,Zip: | 10853 HUNTINGTON BEACH, CA 92600 |
| Contact Telephone: | 714-775-1333 |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | CA |
| State District: | 4 |
| Mailing Address: | 16509 BROOKHURST |
| Mailing City,State,Zip: | FOUNTAIN VALLEY, CA 92708 |
| Owner Name: | MOLA DEVELOPMENT CORPORATION |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2002-06-27 03:21:19.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Handler - Owner Operator:
Owner/Operator Indicator: Owner

**BOUCHER LANDFILL (Continued)** **1015732802**

Owner/Operator Name: MOLA DEVELOPMENT CORPORATION
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Historic Generators:
Receive Date: 1981-03-17 00:00:00.0
Handler Name: K & H JOHNSON LTD
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**L77** **SAHAGIAN AM/PM** **SWEEPS UST** **S101589101**
**North** **16502 BOLSA CHICA ST** **CA FID UST** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649** **CHMIRS**
**0.491 mi.** **HIST CORTESE**
**2594 ft.** **Site 1 of 2 in cluster L**

**Relative:**
**Lower**

**Actual:**
**16 ft.**

SWEEPS UST:
Name: SAHAGIAN AM/PM
Address: 16502 BOLSA CHICA ST
City: HUNTINGTON BEACH
Status: Active
Comp Number: 5457
Number: 9
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
SWRCB Tank Id: 30-000-005457-000001
Tank Status: A
Capacity: 4000
Tank Use: M.V. FUEL
STG: P

**SAHAGIAN AM/PM (Continued)** **S101589101**

Content: REG UNLEADED
Number Of Tanks: 4

Name: SAHAGIAN AM/PM
Address: 16502 BOLSA CHICA ST
City: HUNTINGTON BEACH
Status: Active
Comp Number: 5457
Number: 9
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
SWRCB Tank Id: 30-000-005457-000002
Tank Status: A
Capacity: 4000
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: SAHAGIAN AM/PM
Address: 16502 BOLSA CHICA ST
City: HUNTINGTON BEACH
Status: Active
Comp Number: 5457
Number: 9
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
SWRCB Tank Id: 30-000-005457-000003
Tank Status: A
Capacity: 6000
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Name: SAHAGIAN AM/PM
Address: 16502 BOLSA CHICA ST
City: HUNTINGTON BEACH
Status: Active
Comp Number: 5457
Number: 9
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
SWRCB Tank Id: 30-000-005457-000004
Tank Status: A
Capacity: 6000
Tank Use: M.V. FUEL
STG: P
Content: LEADED

CA FID UST:
Facility ID: 30001303
Regulated By: UTNKA
Facility Phone: 7148407824
Mailing Address: 17315 STUDEBAKER RD
Mailing City,St,Zip: HUNTINGTON BEACH 92649

**SAHAGIAN AM/PM (Continued)** **S101589101**

Status: Active

CHMIRS:

| | |
|---|---|
| Address: | 16502 BOLSA CHICA ST |
| City,State,Zip: | HUNTINGTON BEACH, CA |
| OES Incident Number: | 5-0623 |
| OES notification: | 01/26/2005 |
| Cleanup By: | Responsible Party |
| Year: | 2005 |
| Agency: | Delta Env Consutants Inc |
| Incident Date: | 1/25/200512:00:00 AM |
| Admin Agency: | Huntington Beach Fire Department |
| Contained: | Yes |
| Site Type: | Service Station |
| Substance: | Untreaed Contaminated ground water |
| Gallons: | 465 |
| Unknown: | 0 |
| Evacuations: | 0 |
| Number of Injuries: | 0 |
| Number of Fatalities: | 0 |
| Description: | Per caller, equipment failure caused the release. |

HIST CORTESE:

| | |
|---|---|
| edr_fname: | ARCO #1812 |
| edr_fadd1: | 16502 |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Facility County Code: | 30 |
| Reg By: | LTNKA |
| Reg Id: | 083002082T |

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**L78** **ARCO #1812** **LUST** **S102424186**
**North** **16502 BOLSA CHICA** **Cortese** **N/A**
**1/4-1/2** **HUNTINGTON BEACH, CA 92649** **WDS**
**0.491 mi.** **CERS**
**2594 ft.** **Site 2 of 2 in cluster L**

**Relative:**
**Lower**

**Actual:**
**16 ft.**

ORANGE CO. LUST:

| | |
|---|---|
| Name: | ARCO #1812 |
| Address: | 16502 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | ORANGE |
| Facility Id: | 92UT080 |
| Released Substance: | Gasoline-Automotive (motor gasoline and additives), leaded & unleaded |
| Record ID: | RO0002836 |

LUST REG 8:

| | |
|---|---|
| Name: | ARCO #1812 |
| Address: | 16502 BOLSA CHICA |
| City: | HUNTINGTON BEACH |
| Region: | 8 |
| County: | Orange |
| Regional Board: | Santa Ana Region |
| Facility Status: | Remedial action (cleanup) Underway |
| Case Number: | 083002082T |
| Local Case Num: | 92UT080 |

**ARCO #1812 (Continued)** **S102424186**

| | |
|---|---|
| Case Type: | Other ground water affected |
| Substance: | Gasoline |
| Qty Leaked: | 0 |
| Enf Type: | COR |
| How Discovered: | AG |
| How Stopped: | New Tank |
| Leak Cause: | Corrosion |
| Leak Source: | Unknown |
| Global ID: | T0605901550 |
| How Stopped Date: | 9/9/9999 |
| Discover Date: | 4/23/1992 |
| Date Remedial Action Underway: | 5/8/1996 |
| GW Qualifies: | = |
| Oversite Program: | LUST |
| Latitude: | 33.7225936 |
| Longitude: | -118.04127 |
| MTBE Date: | 9/24/2001 |
| Max MTBE GW: | 6300 |
| MTBE Concentration: | 0 |
| MTBE Fuel: | 1 |
| MTBE Tested: | MTBE Detected. Site tested for MTBE & MTBE detected |
| MTBE Class: | * |
| Staff: | VJJ |
| Staff Initials: | KC |
| Lead Agency: | Local Agency |
| Local Agency: | 30000L |
| Beneficial: | MUN |
| Summary: | Not reported |

LUST:

| | |
|---|---|
| Name: | ARCO #1812 |
| Address: | 16502 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Lead Agency: | ORANGE COUNTY LOP |
| Case Type: | LUST Cleanup Site |
| Geo Track: | http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901550 |
| Global Id: | T0605901550 |
| Latitude: | 33.7225936 |
| Longitude: | -118.04127 |
| Status: | Open - Eligible for Closure |
| Status Date: | 08/10/2020 |
| Case Worker: | DW |
| RB Case Number: | 083002082T |
| Local Agency: | ORANGE COUNTY LOP |
| File Location: | Local Agency |
| Local Case Number: | 92UT080 |
| Potential Media Affect: | Aquifer used for drinking water supply |
| Potential Contaminants of Concern: | Gasoline |
| Site History: | Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party. |

LUST:

| | |
|---|---|
| Global Id: | T0605901550 |
| Contact Type: | Local Agency Caseworker |
| Contact Name: | DAN WEERASEKERA |

**ARCO #1812 (Continued)** **S102424186**

Organization Name: ORANGE COUNTY LOP
Address: 1241 E. Dyer Rd. Suite 120
City: SANTA ANA
Email: dweerasekera@ochca.com
Phone Number: 7144336255

LUST:

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 03/29/2010
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 09/08/2015
Action: Closure/No Further Action Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/14/2014
Action: LOP Case Closure Summary to RB

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/03/2011
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 03/21/2011
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/20/2014
Action: Notification - Public Participation Document

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/20/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0605901550
Action Type: RESPONSE
Date: 02/11/2020
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/31/2011
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/14/2014
Action: LOP Case Closure Summary to RB

**ARCO #1812 (Continued)** **S102424186**

Global Id: T0605901550
Action Type: RESPONSE
Date: 01/11/2013
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 09/20/2010
Action: File review

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/20/2011
Action: Staff Letter

Global Id: T0605901550
Action Type: RESPONSE
Date: 01/23/2019
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0605901550
Action Type: RESPONSE
Date: 05/02/2019
Action: Other Workplan - Regulator Responded

Global Id: T0605901550
Action Type: RESPONSE
Date: 07/03/2018
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 06/27/1994
Action: Warning Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 09/16/2004
Action: * Corrective Action Orders

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 03/14/2008
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/22/2008
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 01/31/2007
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT

**ARCO #1812 (Continued)** **S102424186**

Date: 03/18/2004
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/15/2004
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/10/1992
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 08/06/1993
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 09/28/1993
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/02/2000
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 12/20/2000
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/14/2000
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/13/1999
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/14/1994
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 01/27/2000
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 12/14/2004
Action: Staff Letter

**ARCO #1812 (Continued)** **S102424186**

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/23/2000
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/10/2001
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 09/20/1993
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/05/2007
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/27/1994
Action: Warning Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 12/30/1999
Action: Warning Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/07/2013
Action: Staff Letter

Global Id: T0605901550
Action Type: RESPONSE
Date: 05/09/2018
Action: Site Assessment Report

Global Id: T0605901550
Action Type: RESPONSE
Date: 10/26/2018
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0605901550
Action Type: RESPONSE
Date: 06/05/2019
Action: Other Workplan - Regulator Responded

Global Id: T0605901550
Action Type: RESPONSE
Date: 08/04/2020
Action: Request for Closure - Regulator Responded

Global Id: T0605901550
Action Type: ENFORCEMENT

**ARCO #1812 (Continued)** **S102424186**

Date: 06/30/1992
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/21/1994
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/20/1998
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 02/26/1999
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 06/22/1992
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 06/13/2007
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/16/2013
Action: Notice of Responsibility

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 06/27/2018
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 08/07/2018
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 01/24/2019
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 12/31/2018
Action: Notice of Responsibility

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 12/31/2018
Action: Letter - Notice

**ARCO #1812 (Continued)** **S102424186**

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/09/2018
Action: Letter - Notice

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 11/29/2018
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/09/2018
Action: Notice of Responsibility

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/10/2018
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 05/06/2019
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 08/10/2020
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 01/28/2020
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 06/25/2019
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 11/05/2020
Action: Notification - Fee Title Owners Notice

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 10/20/2020
Action: Other Report

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 11/05/2020
Action: Notification - Public Participation Document

Global Id: T0605901550
Action Type: REMEDIATION

**ARCO #1812 (Continued)** **S102424186**

Date: 05/08/1996
Action: Other (Use Description Field)

Global Id: T0605901550
Action Type: REMEDIATION
Date: 11/23/2004
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901550
Action Type: Other
Date: 04/23/1992
Action: Leak Discovery

Global Id: T0605901550
Action Type: Other
Date: 04/23/1992
Action: Leak Reported

Global Id: T0605901550
Action Type: REMEDIATION
Date: 09/30/2000
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901550
Action Type: REMEDIATION
Date: 12/01/2002
Action: Dual Phase Extraction

Global Id: T0605901550
Action Type: REMEDIATION
Date: 09/01/1993
Action: Excavation

Global Id: T0605901550
Action Type: REMEDIATION
Date: 06/07/2013
Action: Excavation

Global Id: T0605901550
Action Type: REMEDIATION
Date: 09/17/2019
Action: Excavation

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 07/10/2009
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 04/20/2012
Action: Staff Letter

Global Id: T0605901550
Action Type: ENFORCEMENT
Date: 01/17/2012
Action: Staff Letter

**ARCO #1812 (Continued)** **S102424186**

LUST:

| | |
|---|---|
| Global Id: | T0605901550 |
| Status: | Open - Case Begin Date |
| Status Date: | 04/23/1992 |
| Global Id: | T0605901550 |
| Status: | Open - Remediation |
| Status Date: | 05/08/1996 |
| Global Id: | T0605901550 |
| Status: | Open - Verification Monitoring |
| Status Date: | 04/13/2006 |
| Global Id: | T0605901550 |
| Status: | Open - Remediation |
| Status Date: | 10/20/2008 |
| Global Id: | T0605901550 |
| Status: | Open - Eligible for Closure |
| Status Date: | 10/02/2012 |
| Global Id: | T0605901550 |
| Status: | Completed - Case Closed |
| Status Date: | 09/08/2015 |
| Global Id: | T0605901550 |
| Status: | Open - Reopen Case |
| Status Date: | 10/09/2018 |
| Global Id: | T0605901550 |
| Status: | Open - Site Assessment |
| Status Date: | 10/09/2018 |
| Global Id: | T0605901550 |
| Status: | Open - Remediation |
| Status Date: | 07/11/2019 |
| Global Id: | T0605901550 |
| Status: | Open - Eligible for Closure |
| Status Date: | 08/10/2020 |

CORTESE:

| | |
|---|---|
| Name: | ARCO #1812 |
| Address: | 16502 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Region: | CORTESE |
| Global ID: | T0605901550 |
| Site/Facility Type: | LUST CLEANUP SITE |
| Cleanup Status: | OPEN - ELIGIBLE FOR CLOSURE |
| Flag: | active |
| File Name: | Active Open |

WDS:

| | |
|---|---|
| Name: | GW CLEANUP-H.B.BOLSA CHICA |
| Address: | 16502 BOLSA CHICA ST |

**ARCO #1812 (Continued)** **S102424186**

| | |
|---|---|
| City: | HUNTINGTON BEACH |
| Facility ID: | Santa Ana River 303370001 |
| Facility Type: | Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping. |
| Facility Status: | Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements. |
| NPDES Number: | CAG918001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board |
| Subregion: | 8 |
| Facility Telephone: | 9493605788 |
| Facility Contact: | DINESH RAO DELTA |
| Agency Name: | ARCO |
| Agency Address: | 4 CENTERPOINTE DRIVE |
| Agency City,St,Zip: | LA PALMA 906231066 |
| Agency Contact: | DARREL FAH |
| Agency Telephone: | 7143785105 |
| Agency Type: | Private |
| SIC Code: | 4959 |
| Primary Waste Type: | Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards. |
| Primary Waste: | CNWTRS |
| Waste2: | Contaminated Ground Water |
| Primary Waste Type: | Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards. |
| Design Flow: | 0 |
| Baseline Flow: | 0 |
| Reclamation: | No reclamation requirements associated with this facility. |
| POTW: | The facility is not a POTW. |
| Treat To Water: | Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility. |
| Complexity: | Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities. |

CERS:

| | |
|---|---|
| Name: | ARCO #1812 |
| Address: | 16502 BOLSA CHICA |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Site ID: | 245415 |
| CERS ID: | T0605901550 |
| CERS Description: | Leaking Underground Storage Tank Cleanup Site |

Affiliation:

| | |
|---|---|
| Affiliation Type Desc: | Regional Board Caseworker |
| Entity Name: | VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8) |
| Affiliation Address: | 3737 MAIN STREET, SUITE 500 |

**ARCO #1812 (Continued)** **S102424186**

| | |
|---|---|
| Affiliation City: | RIVERSIDE |
| Affiliation State: | CA |
| Affiliation Phone: | 9517824903 |
| Affiliation Type Desc: | Local Agency Caseworker |
| Entity Name: | DAN WEERASEKERA - ORANGE COUNTY LOP |
| Affiliation Address: | 1241 E. Dyer Rd. Suite 120 |
| Affiliation City: | SANTA ANA |
| Affiliation State: | CA |
| Affiliation Phone: | 7144336255 |

---

**79 SSE 1/2-1 0.828 mi. 4371 ft.**

**FIELDSTONE PROPERTY**
**END OF GRAHAM ST/N OF BOLSA CHICA WETLAN**
**HUNTINGTON BEACH, CA 92649**

**RESPONSE**
**ENVIROSTOR**
**HIST Cal-Sites**
**CERS**

**S105481910**
**N/A**

**Relative: Lower**

**Actual: 0 ft.**

RESPONSE:

| | |
|---|---|
| Name: | FIELDSTONE PROPERTY |
| Address: | END OF GRAHAM ST/N OF BOLSA CHICA WETLAN |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 30000003 |
| Site Type: | State Response |
| Site Type Detail: | State Response or NPL |
| Acres: | 42 |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Supervisor: | Referred - Not Assigned |
| Division Branch: | Cleanup Cypress |
| Site Code: | 401050 |
| Site Mgmt. Req.: | NONE SPECIFIED |
| Assembly: | 72 |
| Senate: | 34 |
| Status: | Certified |
| Status Date: | 12/02/2005 |
| Restricted Use: | NO |
| Funding: | Responsible Party |
| Latitude: | 33.70349 |
| Longitude: | -118.0344 |
| APN: | 110-016-22, 110-017-18, 163-151-05, 163-151-14, 163-263-09, 163-271-08, 163-271-14 |
| Past Use: | ILLEGAL DUMPING |
| Potential COC : | Dioxin (as 2,3,7,8-TCDD TEQ Furan PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Polynuclear aromatic hydrocarbons (PAHs |
| Confirmed COC: | PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 30472-NO 30298-NO 30009-NO |
| Potential Description: | SOIL |
| Alias Name: | BOLSA CHICA |
| Alias Type: | Alternate Name |
| Alias Name: | FIELDSTONE PROPERTY |
| Alias Type: | Alternate Name |
| Alias Name: | 110-016-22 |
| Alias Type: | APN |
| Alias Name: | 110-017-18 |
| Alias Type: | APN |
| Alias Name: | 163-151-05 |

**FIELDSTONE PROPERTY (Continued)** **S105481910**

Alias Type: APN
Alias Name: 163-151-14
Alias Type: APN
Alias Name: 163-263-09
Alias Type: APN
Alias Name: 163-271-08
Alias Type: APN
Alias Name: 163-271-14
Alias Type: APN
Alias Name: 110033615354
Alias Type: EPA (FRS #)
Alias Name: 401016
Alias Type: Project Code (Site Code)
Alias Name: 401050
Alias Type: Project Code (Site Code)
Alias Name: 30000003
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 12/23/2004
Comments: DTSC approved the Final Removal Action Workplan on December 23, 2004. The selected removal action is excavation of about 7,000 cubic yards of PCB contaminated soil in a 2-acre area of the Site and disposal of the soil to landfills. The State Lands Commission is in the process of purchasing the Site from Hearthside Residential Corporation so it can be included in the Bolsa Chica Wetlands Restoration Project. U.S. Fish and Wildlife Service is directing the Restoration Project and plans to have its contractors perform the cleanup early in 2005. DTSC determined that the selected removal action will have no impact on the environment due to the small volume, the limited area, and the short duration of the project. This finding was documented in a Notice of Exemption which was approved on December 23, 2004.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 12/02/2005
Comments: DTSC approved the Removal Action Completion Report, which documents the excavation and offsite disposal of 8,645 cubic yards of PCB-contaminated soil.

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 07/23/2004
Comments: DTSC approved the Remedial Investigation Report

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 10/18/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2006
Comments: Residential area removal action completion report finalized. Based on PCB concentrations found in the residential area adjacent to the site, an emergency removal action was conducted in which soil in excess of risk-based PCB concentrations was excavated and disposed of

**FIELDSTONE PROPERTY (Continued)** **S105481910**

at an authorized facility.

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/23/2004
Comments: Issued CEQA Notice of Exemption for Removal Action Workplan

Completed Area Name: PROJECT WIDE
Completed Document Type: Consent Order
Completed Date: 07/01/2002
Comments: Completion of Consent Order for Investigation and Remediation of site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fence & Post Order
Completed Date: 02/05/2002
Comments: DTSC issued a Fence & Post Order to Hearthside Residential Corporation.

Completed Area Name: PROJECT WIDE
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 04/22/2003
Comments: DTSC issued an Imminent and Substantial Endangerment Determination enabling cleanup of residential properties adjacent to the Site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 12/02/2005
Comments: DTSC certified the completion of the Site cleanup.

Completed Area Name: PROJECT WIDE
Completed Document Type: Triage Meeting
Completed Date: 10/01/2015

ENVIROSTOR:
Name: FIELDSTONE PROPERTY
Address: END OF GRAHAM ST/N OF BOLSA CHICA WETLAN
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: 30000003
Status: Certified
Status Date: 12/02/2005
Site Code: 401050
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 42
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 72
Senate: 34
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.70349
Longitude: -118.0344

**FIELDSTONE PROPERTY (Continued)** **S105481910**

APN: 110-016-22, 110-017-18, 163-151-05, 163-151-14, 163-263-09, 163-271-08, 163-271-14
Past Use: ILLEGAL DUMPING
Potential COC: Dioxin (as 2,3,7,8-TCDD TEQ Furan PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC: PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 30472-NO 30298-NO 30009-NO
Potential Description: SOIL
Alias Name: BOLSA CHICA
Alias Type: Alternate Name
Alias Name: FIELDSTONE PROPERTY
Alias Type: Alternate Name
Alias Name: 110-016-22
Alias Type: APN
Alias Name: 110-017-18
Alias Type: APN
Alias Name: 163-151-05
Alias Type: APN
Alias Name: 163-151-14
Alias Type: APN
Alias Name: 163-263-09
Alias Type: APN
Alias Name: 163-271-08
Alias Type: APN
Alias Name: 163-271-14
Alias Type: APN
Alias Name: 110033615354
Alias Type: EPA (FRS #)
Alias Name: 401016
Alias Type: Project Code (Site Code)
Alias Name: 401050
Alias Type: Project Code (Site Code)
Alias Name: 30000003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 12/23/2004
Comments: DTSC approved the Final Removal Action Workplan on December 23, 2004. The selected removal action is excavation of about 7,000 cubic yards of PCB contaminated soil in a 2-acre area of the Site and disposal of the soil to landfills. The State Lands Commission is in the process of purchasing the Site from Hearthside Residential Corporation so it can be included in the Bolsa Chica Wetlands Restoration Project. U.S. Fish and Wildlife Service is directing the Restoration Project and plans to have its contractors perform the cleanup early in 2005. DTSC determined that the selected removal action will have no impact on the environment due to the small volume, the limited area, and the short duration of the project. This finding was documented in a Notice of Exemption which was approved on December 23, 2004.

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 12/02/2005
Comments: DTSC approved the Removal Action Completion Report, which documents the excavation and offsite disposal of 8,645 cubic yards of PCB-contaminated soil.

**FIELDSTONE PROPERTY (Continued)** **S105481910**

Completed Area Name: PROJECT WIDE
Completed Document Type: Remedial Investigation Report
Completed Date: 07/23/2004
Comments: DTSC approved the Remedial Investigation Report

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 10/18/2004

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2006
Comments: Residential area removal action completion report finalized. Based on PCB concentrations found in the residential area adjacent to the site, an emergency removal action was conducted in which soil in excess of risk-based PCB concentrations was excavated and disposed of at an authorized facility.

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/23/2004
Comments: Issued CEQA Notice of Exemption for Removal Action Workplan

Completed Area Name: PROJECT WIDE
Completed Document Type: Consent Order
Completed Date: 07/01/2002
Comments: Completion of Consent Order for Investigation and Remediation of site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Fence & Post Order
Completed Date: 02/05/2002
Comments: DTSC issued a Fence & Post Order to Hearthside Residential Corporation.

Completed Area Name: PROJECT WIDE
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 04/22/2003
Comments: DTSC issued an Imminent and Substantial Endangerment Determination enabling cleanup of residential properties adjacent to the Site.

Completed Area Name: PROJECT WIDE
Completed Document Type: Certification
Completed Date: 12/02/2005
Comments: DTSC certified the completion of the Site cleanup.

Completed Area Name: PROJECT WIDE
Completed Document Type: Triage Meeting
Completed Date: 10/01/2015

Calsite:
Name: FIELDSTONE PROPERTY
Address: END OF GRAHAM ST/N OF BOLSA CHICA WETLAN
City: HUNTINGTON BEACH
Region: CYPRESS
Facility ID: 30000003
Facility Type: RP

**FIELDSTONE PROPERTY (Continued)** **S105481910**

| | |
|---|---|
| Type: | RESPONSIBLE PARTY |
| Branch: | SB |
| Branch Name: | SO CAL - CYPRESS |
| File Name: | FIELDSTONE PROPERTY |
| State Senate District: | 06062002 |
| Status: | ANNUAL WORKPLAN (AWP) - ACTIVE SITE |
| Status Name: | ANNUAL WORKPLAN - ACTIVE SITE |
| Lead Agency: | DEPT OF TOXIC SUBSTANCES CONTROL |
| NPL: | Not Listed |
| SIC Code: | 00 |
| SIC Name: | PROPERTIES THAT DO NOT HAVE SIC CODES |
| Staff Member Responsible for Site: | RSUNGA |
| Region Water Control Board: | SA |
| Region Water Control Board Name: | SANTA ANA |
| Lat/Long (dms): | 0 0 0 / 0 0 0 |
| Lat/Long Description: | DATA PROVIDED BY PM 1/03 |
| State Assembly District Code: | 67 |
| State Senate District Code: | 35 |
| Facility ID: | 30000003 |
| Activity: | PRP |
| Activity Name: | POTENTIAL RESPONSIBLE PARTY SEARCH |
| AWP Code: | ID |
| Proposed Budget: | 0 |
| Comments Date: | 05252002 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | F&P |
| Proposed Budget: | 0 |
| Comments Date: | 02052002 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | CNSNT |
| Proposed Budget: | 0 |
| Comments Date: | 07012002 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |

**FIELDSTONE PROPERTY (Continued)** **S105481910**

| | |
|---|---|
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| Proposed Budget: | 0 |
| AWP Completion Date: | 09302004 |
| Est Person-Yrs to complete: | 0 |
| Request to Delete Activity: | X |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RAP |
| Activity Name: | REMEDIAL ACTION PLAN / RECORD OF DECISION |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Est Person-Yrs to complete: | 0 |
| Request to Delete Activity: | X |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | DES |
| Activity Name: | DESIGN |
| Proposed Budget: | 0 |
| AWP Completion Date: | 03312005 |
| Est Person-Yrs to complete: | 0 |
| Request to Delete Activity: | X |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RMDL |
| Activity Name: | REMEDIAL ACTION (RAP REQUIRED) |
| Proposed Budget: | 0 |
| AWP Completion Date: | 09302005 |
| Est Person-Yrs to complete: | 0 |

**FIELDSTONE PROPERTY (Continued)** **S105481910**

| | |
|---|---|
| Request to Delete Activity: | X |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | CERT |
| Activity Name: | CERTIFICATION |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312005 |
| Revised Due Date: | 01312006 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RA |
| Activity Name: | REMOVAL ACTION |
| AWP Code: | RES |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RAW |
| Activity Name: | REMOVAL ACTION WORKPLAN |
| AWP Code: | PROP |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Comments Date: | 12232004 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | CEQA |

**FIELDSTONE PROPERTY (Continued)** **S105481910**

| | |
|---|---|
| Activity Name: | CEQA INCLUDING NEGATIVE DECS |
| AWP Code: | PROP |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Comments Date: | 12232004 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 30000003 |
| Activity: | RA |
| Activity Name: | REMOVAL ACTION |
| AWP Code: | PROP |
| Proposed Budget: | 0 |
| AWP Completion Date: | 06302005 |
| Revised Due Date: | 12312005 |
| Est Person-Yrs to complete: | 0 |
| Activity Status: | AWP |
| Definition of Status: | ANNUAL WORKPLAN - ACTIVE SITE |
| Liquids Removed (Gals): | 0 |
| Liquids Treated (Gals): | 0 |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Alternate Address: | END OF GRAHAM AVENUE |
| Alternate City,St,Zip: | HUNTINGTON BEACH, CA 92648 |
| Alternate Address: | END OF GRAHAM AV/N OF BOLSA CHICA WETLAN |
| Alternate City,St,Zip: | HUNTINGTON BEACH, CA 92648 |
| Alternate Address: | END OF GRAHAM AV/N OF BOLSA CHICA WETLAN |
| Alternate City,St,Zip: | HUNTINGTON BEACH, CA 92649 |
| Alternate Address: | END OF GRAHAM ST/N OF BOLSA CHICA WETLAN |
| Alternate City,St,Zip: | HUNTINGTON BEACH, CA 92649 |
| Background Info: | The 42-acre Site is adjacent to the 1200-acre Bolsa Chica Ecological Preserve which is being investigated and restored by the Bolsa Chica Wetlands Steering Committee consisting of eight state and federal regulatory agencies headed by the United States Fish and Wildlife Service (USFWS) and the California State Lands Commission (SLC). The Site is owned by Hearthside Residential Corporation since 1997. Negotiations are underway to transfer ownership of the Site to SLC for incorporation into the Bolsa Chica Ecological Preserve. |
| Comments Date: | 02252002 |
| Comments: | Order requiring fence and signs to be placed around |
| Comments Date: | 02252002 |
| Comments: | contaminated property. |
| Comments Date: | 07012002 |
| Comments: | Completion of Consent Order for Investigation and Remediation |
| Comments Date: | 07012002 |
| Comments: | of site. |
| Comments Date: | 12232004 |
| Comments: | DTSC approved the Final Removal Action Workplan on December 23, |

**FIELDSTONE PROPERTY (Continued)** **S105481910**

Comments Date: 12232004
Comments: 2004. The selected removal action is excavation of about 7,000
Comments Date: 12232004
Comments: cubic yards of PCB contaminated soil in a 2-acre area of the
Comments Date: 12232004
Comments: Site and disposal of the soil to landfills. The State Lands
Comments Date: 12232004
Comments: Commission is in the process of purchasing the Site from
Comments Date: 12232004
Comments: Hearthside Residential Corporation so it can be included in the
Comments Date: 12232004
Comments: Bolsa Chica Wetlands Restoration Project. U.S. Fish and
Comments Date: 12232004
Comments: Wildlife Service is directing the Restoration Project and plans
Comments Date: 12232004
Comments: to have its contractors perform the cleanup early in 2005.
Comments Date: 12232004
Comments: DTSC determined that the selected removal action will have
Comments Date: 12232004
Comments: no impact on the environment due to the small volume, the
Comments Date: 12232004
Comments: limited area, and the short duration of the project. This
Comments Date: 12232004
Comments: finding was documented in a Notice of Exemption which was
Comments Date: 12232004
Comments: approved on December 23, 2004.
ID Name: CALSTARS CODE
ID Value: 401016
Alternate Name: FIELDSTONE PROPERTY
Alternate Name: BOLSA CHICA

CERS:
Name: FIELDSTONE PROPERTY
Address: END OF GRAHAM ST/N OF BOLSA CHICA WETLAN
City,State,Zip: HUNTINGTON BEACH, CA 92649
Site ID: 337354
CERS ID: 30000003
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Referred - Not Assigned

---

**80 East 1/2-1 0.966 mi. 5100 ft.**

**Relative: Lower**

**Actual: 7 ft.**

**CROWN CLEANERS**
**5935 WARNER AVE**
**HUNTINGTON BEACH, CA 92649**

**RCRA-VSQG** **1000437496**
**ENVIROSTOR** **CAD981581986**
**VCP**
**FINDS**
**ECHO**
**DRYCLEANERS**
**EMI**
**HAZNET**
**HWTS**

RCRA-VSQG:
Date Form Received by Agency: 2004-05-10 00:00:00.0
Handler Name: CROWN CLEANERS
Handler Address: 5935 WARNER AVE

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Handler City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAD981581986 |
| Contact Name: | MATTHEW J BORGERSON |
| Contact Telephone: | 714-846-4221 |
| Contact Email: | CROWNCLNR@AOL.COM |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Biennial Report Cycle: | 2003 |
| Active Site Indicator: | Handler Activities |
| Mailing Address: | 5935 WARNER AVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | K&B INVESTMENTS |
| Owner Type: | Private |
| Operator Name: | CROWN CLEANERS |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Hazardous Secondary Material Indicator: | NN |
| Commercial TSD Indicator: | No |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Handler Date of Last Change: | 2004-12-03 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Biennial: List of Years

Year: 2003

**CROWN CLEANERS (Continued)** **1000437496**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MATT BORGERSON
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Owner/Operator Indicator: Operator
Owner/Operator Name: CROWN CLEANERS
Legal Status: Private
Date Became Current: 2003-03-10 00:00:00.

Owner/Operator Indicator: Owner
Owner/Operator Name: K&B INVESTMENTS
Legal Status: Private
Date Became Current: 1980-01-01 00:00:00.
Owner/Operator Address: 3903 RIDGEMONT DR
Owner/Operator City,State,Zip: MALIBU, CA 90265-4904

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212

Historic Generators:
Receive Date: 1987-02-26 00:00:00.0
Handler Name: CROWN CLEANERS
Federal Waste Generator Description: Large Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

Receive Date: 2004-05-10 00:00:00.0
Handler Name: CROWN CLEANERS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

**CROWN CLEANERS (Continued)** **1000437496**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: CROWN/KONA CLEANERS
Address: 5935 WARNER AVENUE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: 60002697
Status: Active
Status Date: 08/07/2018
Site Code: 401838
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 4.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: , 72
Senate: , 34
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.71649
Longitude: -118.0249
APN: 146-313-09
Past Use: DRY CLEANING
Potential COC: 1,2-Dichloroethylene (cis Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: SV, OTH
Alias Name: 146-313-09
Alias Type: APN
Alias Name: 401838
Alias Type: Project Code (Site Code)
Alias Name: 60002697
Alias Type: Envirostor ID Number

**CROWN CLEANERS (Continued)** **1000437496**

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/14/2018
Comments: reviewed documents, no comment made

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 10/23/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/29/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Public Notice
Completed Date: 03/13/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 03/19/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 05/15/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 11/15/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 08/05/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Monitoring Report
Completed Date: 03/05/2020
Comments: Reviewed for information only no comments issued

Completed Area Name: PROJECT WIDE
Completed Document Type: Monitoring Report
Completed Date: 04/05/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/13/2018
Comments: VCA fully executed. Advance Payment $31,030 due 9/24/2018.

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Annual Oversight Cost Estimate |
| Completed Date: | 09/03/2020 |
| Comments: | Annual Oversight Cost Estimate letter completed. |

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Request for Tribal Outreach |
| Completed Date: | 08/05/2020 |
| Comments: | Executive management approved publishing the RAW approval letter |

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | CEQA - Notice of Exemption |
| Completed Date: | 08/05/2020 |
| Comments: | submitted to CEQA group for filing |

VCP:

| | |
|---|---|
| Name: | CROWN/KONA CLEANERS |
| Address: | 5935 WARNER AVENUE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 60002697 |
| Site Type: | Voluntary Cleanup |
| Site Type Detail: | Voluntary Cleanup |
| Site Mgmt. Req.: | NONE SPECIFIED |
| Acres: | 4.5 |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP |
| Lead Agency: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Project Manager: | Angela Turner |
| Supervisor: | Emad Yemut |
| Division Branch: | Southern California Schools & Brownfields Outreach |
| Site Code: | 401838 |
| Assembly: | , 72 |
| Senate: | , 34 |
| Special Programs Code: | Voluntary Cleanup Program |
| Status: | Active |
| Status Date: | 08/07/2018 |
| Restricted Use: | NO |
| Funding: | Responsible Party |
| Lat/Long: | 33.71649 / -118.0249 |
| APN: | 146-313-09 |
| Past Use: | DRY CLEANING |
| Potential COC: | 30195, 30022, 30027 |
| Confirmed COC: | 30022,30027,30195 |
| Potential Description: | SV, OTH |
| Alias Name: | 146-313-09 |
| Alias Type: | APN |
| Alias Name: | 401838 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 60002697 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Document Type: | Preliminary Endangerment Assessment Report |

**CROWN CLEANERS (Continued)** **1000437496**

Completed Date: 11/14/2018
Comments: reviewed documents, no comment made

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 10/23/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Community Profile
Completed Date: 08/29/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Public Notice
Completed Date: 03/13/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Fact Sheets
Completed Date: 03/19/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Workplan
Completed Date: 05/15/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Site Characterization Report
Completed Date: 11/15/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Removal Action Workplan
Completed Date: 08/05/2020

Completed Area Name: PROJECT WIDE
Completed Document Type: Monitoring Report
Completed Date: 03/05/2020
Comments: Reviewed for information only no comments issued

Completed Area Name: PROJECT WIDE
Completed Document Type: Monitoring Report
Completed Date: 04/05/2020
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/13/2018
Comments: VCA fully executed. Advance Payment $31,030 due 9/24/2018.

Completed Area Name: PROJECT WIDE
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019

Completed Area Name: PROJECT WIDE
Completed Document Type: Annual Oversight Cost Estimate

**CROWN CLEANERS (Continued)** **1000437496**

Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate letter completed.

Completed Area Name: PROJECT WIDE
Completed Document Type: Request for Tribal Outreach
Completed Date: 08/05/2020
Comments: Executive management approved publishing the RAW approval letter

Completed Area Name: PROJECT WIDE
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 08/05/2020
Comments: submitted to CEQA group for filing

FINDS:
Registry ID: 110006471585

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000437496
Registry ID: 110006471585
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006471585
Name: CROWN CLEANERS
Address: 5935 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649

DRYCLEAN SOUTH COAST:
Name: CROWN CLEANERS
Address: 5935 WARNER AVE
City,State,Zip: HUNTINGTON BEACH, CA 92649
Facility ID: 19404
Application Number: 10401A
Permit Number: M32045
Status: A
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 02
CCAT Description: ADSORBER (DRY CLEANING) REGENERATIVE
UTM East: 405.1000061

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| UTM North: | 3730.8999023 |
| Application Date: | 08/24/1981 |
| PO Issue Date: | 07/26/1983 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

| | |
|---|---|
| Name: | CROWN CLEANERS |
| Address: | 5935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 19404 |
| Application Number: | 07668A |
| Permit Number: | S07082 |
| Status: | A |
| Permit Status: | INACTIVE |
| BCAT Number: | 000234 |
| BCAT Description: | DRY CLEANING EQUIP PERCHLOROETHYLENE |
| UTM East: | 405.1000061 |
| UTM North: | 3730.8999023 |
| Application Date: | 12/31/9999 |
| PO Issue Date: | 07/29/1981 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

| | |
|---|---|
| Name: | CROWN CLEANERS |
| Address: | 5935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Facility ID: | 49932 |
| Application Number: | 136538 |
| Permit Number: | M47095 |
| Status: | O |
| Representative Name: | JACK ENLOW |
| Representative Telephone: | 714 8401935 |
| Permit Status: | INACTIVE |
| BCAT Number: | 000234 |
| BCAT Description: | DRY CLEANING EQUIP PERCHLOROETHYLENE |
| CCAT Number: | 02 |
| CCAT Description: | ADSORBER (DRY CLEANING) REGENERATIVE |
| UTM East: | 0 |
| UTM North: | 0 |
| Application Date: | 09/06/1985 |
| PO Issue Date: | 12/20/1985 |
| NAICS Code: | 812320 |
| SIC Code: | 7216 |

DRYCLEANERS:

| | |
|---|---|
| Name: | CROWN CLEANERS |
| Address: | 5935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA Id: | CAD981581986 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| SIC Code: | 7211 |
| SIC Description: | Power Laundries, Family and Commercial |
| Create Date: | 07/03/1987 |
| Facility Active: | No |
| Inactive Date: | 06/30/2017 |
| Owner Name: | CROWN CLEANER & RESTORATION |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Owner Address: | 5935 WARNER AVE |
| Owner Telephone: | 7148464221 |
| Contact Name: | MATT BORGERSON |
| Contact Address: | 2601 E OCEAN #604 |
| Contact Telephone: | 7148464221 |
| Mailing Address 1: | 5935 WARNER AVE |
| Mailing City: | HUNTINGTON BEACH |
| Mailing State: | CA |
| Mailing Zip: | 92649 |
| Owner Fax: | 7148407494 |
| Region Code: | 4 |

EMI:

| | |
|---|---|
| Name: | CROWN CLEANERS, JACK F. ENLOW |
| Address: | 5935 WARNER AVE. |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494659 |
| Year: | 1987 |
| County Code: | 30 |
| Air Basin: | SC |
| Facility ID: | 19404 |
| Air District Name: | SC |
| SIC Code: | 7216 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 8 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Name: | CROWN CLEANERS DBA JACK ENLOW |
| Address: | 5935 WARNER AV |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494659 |
| Year: | 1987 |
| County Code: | 30 |
| Air Basin: | SC |
| Facility ID: | 49932 |
| Air District Name: | SC |
| SIC Code: | 7216 |
| Air District Name: | SOUTH COAST AQMD |
| Total Organic Hydrocarbon Gases Tons/Yr: | 4 |
| Reactive Organic Gases Tons/Yr: | 0 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

HAZNET:

| | |
|---|---|
| Name: | CROWN CLEANERS |
| Address: | 5935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 926494659 |
| Contact: | MATT BURGERSON / OWNER |
| Telephone: | 7148464221 |
| Mailing Address: | 5935 WARNER AVE |

**CROWN CLEANERS (Continued)** **1000437496**

Year: 2008
Gepaid: CAD981581986
TSD EPA ID: TXD077603371
CA Waste Code: 352 - Other organic solids
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.115

Year: 2007
Gepaid: CAD981581986
TSD EPA ID: TXD077603371
CA Waste Code: 352 - Other organic solids
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.29

Year: 2006
Gepaid: CAD981581986
TSD EPA ID: TXD077603371
CA Waste Code: 352 - Other organic solids
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1125

Year: 2004
Gepaid: CAD981581986
TSD EPA ID: KYD053348108
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.51

Year: 2003
Gepaid: CAD981581986
TSD EPA ID: CAT000613893
CA Waste Code: -
Disposal Method: H01 - Transfer Station

Year: 2003
Gepaid: CAD981581986
TSD EPA ID: CAT000613893
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.095

Year: 2003
Gepaid: CAD981581986
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D80 - Disposal, Land Fill
Tons: 55.6248

Year: 2002
Gepaid: CAD981581986
TSD EPA ID: CAT000613893
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.28

Year: 2002
Gepaid: CAD981581986

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| TSD EPA ID: | CAT000613976 |
| CA Waste Code: | 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.42 |
| | |
| Year: | 2001 |
| Gepaid: | CAD981581986 |
| TSD EPA ID: | CAT000613976 |
| CA Waste Code: | 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 1.2735 |

Click this hyperlink while viewing on your computer to access
14 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

| | |
|---|---|
| Year: | 2007 |
| Gen EPA ID: | CAD981581986 |
| | |
| Shipment Date: | 20071011 |
| Creation Date: | 3/18/2008 18:30:12 |
| Receipt Date: | 20071019 |
| Manifest ID: | 000016202SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF EPA ID: | TXD077603371 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 420 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20070316 |
| Creation Date: | 12/10/2007 18:30:24 |
| Receipt Date: | 20070328 |
| Manifest ID: | 000204903SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | TXD077603371 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.08 |
| Waste Quantity: | 160 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2008 |
| Gen EPA ID: | CAD981581986 |
| | |
| Shipment Date: | 20080122 |
| Creation Date: | 6/25/2008 18:30:07 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Receipt Date: | 20080201 |
| Manifest ID: | 000653484SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | TXD077603371 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.115 |
| Waste Quantity: | 230 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1999 |
| Gen EPA ID: | CAD981581986 |
| | |
| Shipment Date: | 19991014 |
| Creation Date: | 12/17/1999 0:00:00 |
| Receipt Date: | 19991015 |
| Manifest ID: | 99513478 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19991014 |
| Creation Date: | 12/17/1999 0:00:00 |
| Receipt Date: | 19991015 |
| Manifest ID: | 99513478 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.24 |
| Waste Quantity: | 480 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19990621 |
| Creation Date: | 8/24/1999 0:00:00 |
| Receipt Date: | 19990622 |
| Manifest ID: | 99229574 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.312 |
| Waste Quantity: | 624 |
| Quantity Unit: | P |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 19990517 |
| Creation Date: | 7/19/1999 0:00:00 |
| Receipt Date: | 19990518 |
| Manifest ID: | 98805617 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19990517 |
| Creation Date: | 7/19/1999 0:00:00 |
| Receipt Date: | 19990518 |
| Manifest ID: | 98805617 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19990310 |
| Creation Date: | 5/17/1999 0:00:00 |
| Receipt Date: | 19990311 |
| Manifest ID: | 98681294 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.36 |
| Waste Quantity: | 720 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19990310 |
| Creation Date: | 5/17/1999 0:00:00 |
| Receipt Date: | 19990311 |
| Manifest ID: | 98681294 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19990107 |
| Creation Date: | 3/17/1999 0:00:00 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Receipt Date: | 19990108 |
| Manifest ID: | 98624997 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19990107 |
| Creation Date: | 3/17/1999 0:00:00 |
| Receipt Date: | 19990108 |
| Manifest ID: | 98624997 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1997 |
| Gen EPA ID: | CAD981581986 |

| | |
|---|---|
| Shipment Date: | 19971210 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971211 |
| Manifest ID: | 97347965 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19971210 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971211 |
| Manifest ID: | 97347965 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19971114 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971118 |
| Manifest ID: | 97281292 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.312 |
| Waste Quantity: | 624 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19971114 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19971118 |
| Manifest ID: | 97281292 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.312 |
| Waste Quantity: | 624 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19970903 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19970904 |
| Manifest ID: | 96856332 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19970903 |
| Creation Date: | 7/23/1998 0:00:00 |
| Receipt Date: | 19970904 |
| Manifest ID: | 96856332 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | - Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |

| | |
|---|---|
| Shipment Date: | 19970707 |
| Creation Date: | 12/4/1997 0:00:00 |
| Receipt Date: | 19970708 |
| Manifest ID: | 96764648 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19970605 |
| Creation Date: | 9/12/1997 0:00:00 |
| Receipt Date: | 19970606 |
| Manifest ID: | 96628875 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19970605 |
| Creation Date: | 9/12/1997 0:00:00 |
| Receipt Date: | 19970606 |
| Manifest ID: | 96628875 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | - Not reported |
| Meth Code: | - Not reported |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19970508 |
| Creation Date: | 7/17/1997 0:00:00 |
| Receipt Date: | 19970512 |
| Manifest ID: | 96633828 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0 |
| Waste Quantity: | 0 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1998 |
| Gen EPA ID: | CAD981581986 |
| | |
| Shipment Date: | 19981207 |
| Creation Date: | 2/8/1999 0:00:00 |
| Receipt Date: | 19981208 |
| Manifest ID: | 98450767 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19981207 |
| Creation Date: | 2/8/1999 0:00:00 |
| Receipt Date: | 19981208 |
| Manifest ID: | 98450767 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19980903 |
| Creation Date: | 11/5/1998 0:00:00 |
| Receipt Date: | 19980908 |
| Manifest ID: | 98312532 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19980818 |
| Creation Date: | 11/2/1998 0:00:00 |
| Receipt Date: | 19980819 |
| Manifest ID: | 98273271 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19980818 |
| Creation Date: | 11/2/1998 0:00:00 |
| Receipt Date: | 19980819 |
| Manifest ID: | 98273271 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 19980616 |
| Creation Date: | 9/3/1998 0:00:00 |
| Receipt Date: | 19980617 |
| Manifest ID: | 98136679 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19980421 |
| Creation Date: | 6/26/1998 0:00:00 |
| Receipt Date: | 19980422 |
| Manifest ID: | 96658996 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19980421 |
| Creation Date: | 6/26/1998 0:00:00 |
| Receipt Date: | 19980422 |
| Manifest ID: | 96658996 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |
| Waste Quantity: | 208 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19980225 |
| Creation Date: | 4/16/1998 0:00:00 |
| Receipt Date: | 19980226 |
| Manifest ID: | 97403503 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19980223 |

**CROWN CLEANERS (Continued)** **1000437496**

Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980224
Manifest ID: 96658980
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.104
Waste Quantity: 208
Quantity Unit: P

Additional Info:
Year: 2001
Gen EPA ID: CAD981581986

Shipment Date: 20010727
Creation Date: 10/1/2001 0:00:00
Receipt Date: 20010730
Manifest ID: 21113019
Trans EPA ID: SCR000075150
TSDF EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.39
Waste Quantity: 780
Quantity Unit: P

Shipment Date: 20010601
Creation Date: 7/30/2001 0:00:00
Receipt Date: 20010604
Manifest ID: 20641902
Trans EPA ID: SCR000075150
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P

Shipment Date: 20010601
Creation Date: 7/30/2001 0:00:00
Receipt Date: 20010604
Manifest ID: 20641902
Trans EPA ID: SCR000075150
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 20010326 |
| Creation Date: | 6/12/2001 0:00:00 |
| Receipt Date: | 20010327 |
| Manifest ID: | 20621344 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20010326 |
| Creation Date: | 6/12/2001 0:00:00 |
| Receipt Date: | 20010327 |
| Manifest ID: | 20621344 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20010131 |
| Creation Date: | 4/19/2001 0:00:00 |
| Receipt Date: | 20010201 |
| Manifest ID: | 20360110 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2000 |
| Gen EPA ID: | CAD981581986 |

| | |
|---|---|
| Shipment Date: | 20001003 |
| Creation Date: | 12/8/2000 0:00:00 |
| Receipt Date: | 20001004 |
| Manifest ID: | 99340441 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.104 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Waste Quantity: | 208 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20001003 |
| Creation Date: | 12/8/2000 0:00:00 |
| Receipt Date: | 20001004 |
| Manifest ID: | 99340441 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.416 |
| Waste Quantity: | 832 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20000508 |
| Creation Date: | 6/21/2000 0:00:00 |
| Receipt Date: | 20000509 |
| Manifest ID: | 99855476 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20000508 |
| Creation Date: | 6/21/2000 0:00:00 |
| Receipt Date: | 20000509 |
| Manifest ID: | 99855476 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.3 |
| Waste Quantity: | 600 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20000308 |
| Creation Date: | 5/17/2000 0:00:00 |
| Receipt Date: | 20000309 |
| Manifest ID: | 99060331 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.15 |
| Waste Quantity: | 300 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20000308 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Creation Date: | 5/17/2000 0:00:00 |
| Receipt Date: | 20000309 |
| Manifest ID: | 99060331 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20000117 |
| Creation Date: | 3/22/2000 0:00:00 |
| Receipt Date: | 20000118 |
| Manifest ID: | 99535545 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.208 |
| Waste Quantity: | 416 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 20000117 |
| Creation Date: | 3/22/2000 0:00:00 |
| Receipt Date: | 20000118 |
| Manifest ID: | 99535545 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.09 |
| Waste Quantity: | 180 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1993 |
| Gen EPA ID: | CAD981581986 |

| | |
|---|---|
| Shipment Date: | 19931214 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931214 |
| Manifest ID: | 93088384 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 19931129 |
| Creation Date: | 9/14/1995 0:00:00 |
| Receipt Date: | 19931129 |
| Manifest ID: | 93118107 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19931011 |
| Creation Date: | 9/13/1995 0:00:00 |
| Receipt Date: | 19931011 |
| Manifest ID: | 93229664 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2175 |
| Waste Quantity: | 435 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19930907 |
| Creation Date: | 9/12/1995 0:00:00 |
| Manifest ID: | 93221134 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19930730 |
| Creation Date: | 9/11/1995 0:00:00 |
| Manifest ID: | 92564958 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613893 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | - Not reported |
| Quantity Tons: | 0.315 |
| Waste Quantity: | 630 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19930521 |
| Creation Date: | 9/9/1995 0:00:00 |
| Receipt Date: | 19930525 |
| Manifest ID: | 92574932 |
| Trans EPA ID: | ILD051060408 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Trans 2 EPA ID: | ILD051060408 |
| TSDF EPA ID: | CAT000613893 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2175 |
| Waste Quantity: | 435 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2006 |
| Gen EPA ID: | CAD981581986 |
| Shipment Date: | 20061111 |
| Creation Date: | 7/6/2007 18:30:05 |
| Receipt Date: | 20061121 |
| Manifest ID: | 000102598CEX |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD |
| TSDF EPA ID: | TXD077603371 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H061 - Fuel Blending Prior To Energy Recovery At Another Site |
| Quantity Tons: | 0.1125 |
| Waste Quantity: | 225 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2004 |
| Gen EPA ID: | CAD981581986 |
| Shipment Date: | 20040312 |
| Creation Date: | 8/23/2004 8:48:57 |
| Receipt Date: | 20040329 |
| Manifest ID: | 23341930 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | OKD981588791 |
| Trans 2 Name: | TRIAD TRANSPORT INC |
| TSDF EPA ID: | KYD053348108 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | 658 |
| Waste Code Description: | 352 - Other organic solids |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.51 |
| Waste Quantity: | 1020 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 2003 |
| Gen EPA ID: | CAD981581986 |
| Shipment Date: | 20030401 |
| Creation Date: | 6/22/2003 18:31:12 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Receipt Date: | 20030401 |
| Manifest ID: | 22709491 |
| Trans EPA ID: | CAR000114694 |
| TSDF EPA ID: | CAT000646117 |
| TSDF Alt EPA ID: | CAT000646117 |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 15.1704 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20030401 |
| Creation Date: | 6/25/2003 18:30:52 |
| Receipt Date: | 20030401 |
| Manifest ID: | 22709493 |
| Trans EPA ID: | CAR000114694 |
| TSDF EPA ID: | CAT000646117 |
| TSDF Alt EPA ID: | CAT000646117 |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 15.1704 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20030401 |
| Creation Date: | 6/25/2003 18:30:52 |
| Receipt Date: | 20030401 |
| Manifest ID: | 22709494 |
| Trans EPA ID: | CAR000069765 |
| TSDF EPA ID: | CAT000646117 |
| TSDF Alt EPA ID: | CAT000646117 |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 10.1136 |
| Waste Quantity: | 12 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20030401 |
| Creation Date: | 6/22/2003 18:31:12 |
| Receipt Date: | 20030401 |
| Manifest ID: | 22709492 |
| Trans EPA ID: | CAR000114694 |
| TSDF EPA ID: | CAT000646117 |
| TSDF Alt EPA ID: | CAT000646117 |
| Waste Code Description: | 611 - Contaminated soil from site clean-ups |
| RCRA Code: | F002 |
| Meth Code: | D80 - Disposal, Land Fill |
| Quantity Tons: | 15.1704 |
| Waste Quantity: | 18 |
| Quantity Unit: | Y |

| | |
|---|---|
| Shipment Date: | 20030121 |
| Creation Date: | 5/6/2003 18:31:20 |
| Receipt Date: | 20030128 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Manifest ID: | 22281307 |
| Trans EPA ID: | TXR000050930 |
| TSDF EPA ID: | CAT000613893 |
| TSDF Alt EPA ID: | CAT000613893 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.095 |
| Waste Quantity: | 190 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20030121 |
| Creation Date: | 5/6/2003 18:31:20 |
| Receipt Date: | 20030128 |
| Manifest ID: | 22281307 |
| Trans EPA ID: | TXR000050930 |
| TSDF EPA ID: | CAT000613893 |
| TSDF Alt EPA ID: | CAT000613893 |
| Waste Code Description: | - Not reported |
| Meth Code: | H01 - Transfer Station |

Additional Info:

| | |
|---|---|
| Year: | 1996 |
| Gen EPA ID: | CAD981581986 |
| | |
| Shipment Date: | 19961219 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961220 |
| Manifest ID: | 96470673 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19961219 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961220 |
| Manifest ID: | 96470673 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 19961119 |
| Creation Date: | 5/21/1997 0:00:00 |
| Receipt Date: | 19961119 |
| Manifest ID: | 96491435 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19961119 |
| Creation Date: | 5/21/1997 0:00:00 |
| Receipt Date: | 19961119 |
| Manifest ID: | 96491435 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19961001 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961001 |
| Manifest ID: | 96477206 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19961001 |
| Creation Date: | 5/20/1997 0:00:00 |
| Receipt Date: | 19961001 |
| Manifest ID: | 96477206 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19960808 |
| Creation Date: | 5/30/1997 0:00:00 |
| Receipt Date: | 19960808 |
| Manifest ID: | 96494035 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |

**CROWN CLEANERS (Continued)** **1000437496**

Quantity Unit: P

Shipment Date: 19960808
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19960808
Manifest ID: 96494035
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P

Shipment Date: 19960709
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19960709
Manifest ID: 96094514
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P

Shipment Date: 19960610
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19960610
Manifest ID: 96141765
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.12
Waste Quantity: 240
Quantity Unit: P

Additional Info:
Year: 2002
Gen EPA ID: CAD981581986

Shipment Date: 20021123
Creation Date: 3/16/2007 18:30:20
Receipt Date: 20021203
Manifest ID: 22141065
Trans EPA ID: SCR000075150
TSDF EPA ID: CAT000613893
TSDF Alt EPA ID: CAT000613893
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.19
Waste Quantity: 380

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Quantity Unit: | P |
| | |
| Shipment Date: | 20021123 |
| Creation Date: | 3/16/2007 18:30:20 |
| Receipt Date: | 20021203 |
| Manifest ID: | 22141065 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613893 |
| TSDF Alt EPA ID: | CAT000613893 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.09 |
| Waste Quantity: | 180 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20020610 |
| Creation Date: | 2/4/2003 14:36:32 |
| Receipt Date: | 20020611 |
| Manifest ID: | 21566134 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.16 |
| Waste Quantity: | 320 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20020408 |
| Creation Date: | 7/29/2002 18:38:23 |
| Receipt Date: | 20020409 |
| Manifest ID: | 20353692 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.205 |
| Waste Quantity: | 410 |
| Quantity Unit: | P |
| | |
| Shipment Date: | 20020408 |
| Creation Date: | 7/29/2002 18:38:23 |
| Receipt Date: | 20020409 |
| Manifest ID: | 20353692 |
| Trans EPA ID: | SCR000075150 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.055 |
| Waste Quantity: | 110 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1994 |

**CROWN CLEANERS (Continued)** **1000437496**

Gen EPA ID: CAD981581986

Shipment Date: 19941123
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941123
Manifest ID: 93764060
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P

Shipment Date: 19941123
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941123
Manifest ID: 93764060
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.12
Waste Quantity: 240
Quantity Unit: P

Shipment Date: 19941024
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941024
Manifest ID: 93088366
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.12
Waste Quantity: 240
Quantity Unit: P

Shipment Date: 19940930
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940930
Manifest ID: 93789005
Trans EPA ID: ILD984908202
TSDF EPA ID: CAT000613976
TSDF Alt EPA ID: CAT000613976
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F002
Meth Code: H01 - Transfer Station
Quantity Tons: 0.195
Waste Quantity: 390
Quantity Unit: P

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 19940823 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940823 |
| Manifest ID: | 93469507 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19940823 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940823 |
| Manifest ID: | 93469507 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19940713 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940713 |
| Manifest ID: | 93509785 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19940713 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940713 |
| Manifest ID: | 93509785 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 19940607 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940607 |
| Manifest ID: | 93512471 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19940509 |
| Creation Date: | 3/26/1996 0:00:00 |
| Receipt Date: | 19940509 |
| Manifest ID: | 93548495 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2175 |
| Waste Quantity: | 435 |
| Quantity Unit: | P |

Additional Info:

| | |
|---|---|
| Year: | 1995 |
| Gen EPA ID: | CAD981581986 |

| | |
|---|---|
| Shipment Date: | 19951221 |
| Creation Date: | 7/29/1996 0:00:00 |
| Receipt Date: | 19951221 |
| Manifest ID: | 95523862 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19951221 |
| Creation Date: | 7/29/1996 0:00:00 |
| Receipt Date: | 19951221 |
| Manifest ID: | 95523862 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Shipment Date: | 19951115 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951115 |
| Manifest ID: | 95523856 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19951115 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19951115 |
| Manifest ID: | 95523856 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950929 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19950929 |
| Manifest ID: | 95413305 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950929 |
| Creation Date: | 7/26/1996 0:00:00 |
| Receipt Date: | 19950929 |
| Manifest ID: | 95413305 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.2925 |
| Waste Quantity: | 585 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950814 |
| Creation Date: | 4/2/1996 0:00:00 |
| Receipt Date: | 19950814 |
| Manifest ID: | 95641839 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0975 |
| Waste Quantity: | 195 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950814 |
| Creation Date: | 4/2/1996 0:00:00 |
| Receipt Date: | 19950814 |
| Manifest ID: | 95641839 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| TSDF Alt EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950712 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950712 |
| Manifest ID: | 95426778 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.195 |
| Waste Quantity: | 390 |
| Quantity Unit: | P |

| | |
|---|---|
| Shipment Date: | 19950712 |
| Creation Date: | 3/29/1996 0:00:00 |
| Receipt Date: | 19950712 |
| Manifest ID: | 95426778 |
| Trans EPA ID: | ILD984908202 |
| TSDF EPA ID: | CAT000613976 |
| Waste Code Description: | 741 - Liquids with halogenated organic compounds > 1000 mg/l |
| RCRA Code: | F002 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.12 |
| Waste Quantity: | 240 |
| Quantity Unit: | P |

HWTS:

| | |
|---|---|
| Name: | CROWN CLEANERS |
| Address: | 5935 WARNER AVE |
| City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| EPA ID: | CAD981581986 |
| Inactive Date: | 06/30/2017 |
| Create Date: | 07/03/1987 |

**CROWN CLEANERS (Continued)** **1000437496**

| | |
|---|---|
| Last Act Date: | 02/16/2017 |
| Mailing Address: | 5935 WARNER AVE |
| Mailing City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Owner Name: | CROWN CLEANER & RESTORATION |
| Owner Address: | 5935 WARNER AVE |
| Owner City,State,Zip: | HUNTINGTON BEACH, CA 92649 |
| Contact Name: | MATT BORGERSON |
| Contact Address: | 2601 E OCEAN #604 |
| City,State,Zip: | LONG BEACH, CA 90803 |

NAICS:

| | |
|---|---|
| EPA ID: | CAD981581986 |
| Create Date: | 2004-02-04 15:19:37.907 |
| NAICS Code: | 81232 |
| NAICS Description: | Drycleaning and Laundry Services (except Coin-Operated) |
| Issued EPA ID Date: | 1987-07-03 00:00:00 |
| Inactive Date: | 2017-06-30 00:00:00 |
| Facility Name: | CROWN CLEANERS |
| Facility Address: | 5935 WARNER AVE |
| Facility City: | HUNTINGTON BEACH |
| Facility State: | CA |
| Facility Zip: | 92649 |

Count: 0 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| | | NO SITES FOUND | | | |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|---|---|---|---|---|---|
| CA | AST | Aboveground Petroleum Storage Tank Facilities | California Environmental Protection Agency | 07/06/2016 | 07/12/2016 | 09/19/2016 |
| CA | BROWNFIELDS | Considered Brownfieds Sites Listing | State Water Resources Control Board | 12/17/2020 | 12/17/2020 | 03/09/2021 |
| CA | CA BOND EXP. PLAN | Bond Expenditure Plan | Department of Health Services | 01/01/1989 | 07/27/1994 | 08/02/1994 |
| CA | CA FID UST | Facility Inventory Database | California Environmental Protection Agency | 10/31/1994 | 09/05/1995 | 09/29/1995 |
| CA | CDL | Clandestine Drug Labs | Department of Toxic Substances Control | 06/30/2019 | 05/28/2020 | 08/12/2020 |
| CA | CERS | CalEPA Regulated Site Portal Data | California Environmental Protection Agency | 10/19/2020 | 10/19/2020 | 01/07/2021 |
| CA | CERS HAZ WASTE | CERS HAZ WASTE | CalEPA | 10/19/2020 | 10/19/2020 | 01/07/2021 |
| CA | CERS TANKS | California Environmental Reporting System (CERS) Tanks | California Environmental Protection Agency | 10/19/2020 | 10/19/2020 | 01/07/2021 |
| CA | CHMIRS | California Hazardous Material Incident Report System | Office of Emergency Services | 09/30/2020 | 10/19/2020 | 01/07/2021 |
| CA | CIWQS | California Integrated Water Quality System | State Water Resources Control Board | 11/30/2020 | 12/01/2020 | 02/12/2021 |
| CA | CORTESE | "Cortese" Hazardous Waste & Substances Sites List | CAL EPA/Office of Emergency Information | 12/17/2020 | 12/17/2020 | 03/09/2021 |
| CA | CPS-SLIC | Statewide SLIC Cases (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | CUPA LIVERMORE-PLEASANTON | CUPA Facility Listing | Livermore-Pleasanton Fire Department | 05/01/2019 | 05/14/2019 | 07/17/2019 |
| CA | DEED | Deed Restriction Listing | DTSC and SWRCB | 11/30/2020 | 12/01/2020 | 02/12/2021 |
| CA | DRYCLEAN AVAQMD | Antelope Valley Air Quality Management District Drycleaner L | Antelope Valley Air Quality Management Distri | 11/23/2020 | 11/24/2020 | 02/10/2021 |
| CA | DRYCLEAN SOUTH COAST | South Coast Air Quality Management District Drycleaner Listi | South Coast Air Quality Management District | 11/17/2020 | 11/18/2020 | 02/04/2021 |
| CA | DRYCLEANERS | Cleaner Facilities | Department of Toxic Substance Control | 11/23/2020 | 11/25/2020 | 02/10/2021 |
| CA | EMI | Emissions Inventory Data | California Air Resources Board | 12/31/2018 | 06/16/2020 | 08/28/2020 |
| CA | ENF | Enforcement Action Listing | State Water Resoruces Control Board | 10/16/2020 | 10/19/2020 | 01/07/2021 |
| CA | ENVIROSTOR | EnviroStor Database | Department of Toxic Substances Control | 10/26/2020 | 10/26/2020 | 01/13/2021 |
| CA | Financial Assurance 1 | Financial Assurance Information Listing | Department of Toxic Substances Control | 10/13/2020 | 10/14/2020 | 01/04/2021 |
| CA | Financial Assurance 2 | Financial Assurance Information Listing | California Integrated Waste Management Board | 11/12/2020 | 11/13/2020 | 01/29/2021 |
| CA | HAULERS | Registered Waste Tire Haulers Listing | Integrated Waste Management Board | 11/23/2020 | 11/23/2020 | 02/08/2021 |
| CA | HAZNET | Facility and Manifest Data | California Environmental Protection Agency | 12/31/2019 | 04/15/2020 | 07/02/2020 |
| CA | HIST CAL-SITES | Calsites Database | Department of Toxic Substance Control | 08/08/2005 | 08/03/2006 | 08/24/2006 |
| CA | HIST CORTESE | Hazardous Waste & Substance Site List | Department of Toxic Substances Control | 04/01/2001 | 01/22/2009 | 04/08/2009 |
| CA | HIST UST | Hazardous Substance Storage Container Database | State Water Resources Control Board | 10/15/1990 | 01/25/1991 | 02/12/1991 |
| CA | HWP | EnviroStor Permitted Facilities Listing | Department of Toxic Substances Control | 11/13/2020 | 11/13/2020 | 02/01/2021 |
| CA | HWT | Registered Hazardous Waste Transporter Database | Department of Toxic Substances Control | 10/05/2020 | 10/06/2020 | 12/23/2020 |
| CA | HWTS | Hazardous Waste Tracking System | Department of Toxic Substances Control | 10/13/2020 | 10/14/2020 | 11/03/2020 |
| CA | ICE | ICE | Department of Toxic Subsances Control | 11/13/2020 | 11/13/2020 | 02/01/2021 |
| CA | LDS | Land Disposal Sites Listing (GEOTRACKER) | State Water Qualilty Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | LIENS | Environmental Liens Listing | Department of Toxic Substances Control | 11/24/2020 | 11/30/2020 | 02/10/2021 |
| CA | LUST | Leaking Underground Fuel Tank Report (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | LUST REG 1 | Active Toxic Site Investigation | California Regional Water Quality Control Boa | 02/01/2001 | 02/28/2001 | 03/29/2001 |
| CA | LUST REG 2 | Fuel Leak List | California Regional Water Quality Control Boa | 09/30/2004 | 10/20/2004 | 11/19/2004 |
| CA | LUST REG 3 | Leaking Underground Storage Tank Database | California Regional Water Quality Control Boa | 05/19/2003 | 05/19/2003 | 06/02/2003 |
| CA | LUST REG 4 | Underground Storage Tank Leak List | California Regional Water Quality Control Boa | 09/07/2004 | 09/07/2004 | 10/12/2004 |
| CA | LUST REG 5 | Leaking Underground Storage Tank Database | California Regional Water Quality Control Boa | 07/01/2008 | 07/22/2008 | 07/31/2008 |
| CA | LUST REG 6L | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 09/09/2003 | 09/10/2003 | 10/07/2003 |
| CA | LUST REG 6V | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 06/07/2005 | 06/07/2005 | 06/29/2005 |
| CA | LUST REG 7 | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 02/26/2004 | 02/26/2004 | 03/24/2004 |
| CA | LUST REG 8 | Leaking Underground Storage Tanks | California Regional Water Quality Control Boa | 02/14/2005 | 02/15/2005 | 03/28/2005 |
| CA | LUST REG 9 | Leaking Underground Storage Tank Report | California Regional Water Quality Control Boa | 03/01/2001 | 04/23/2001 | 05/21/2001 |
| CA | MCS | Military Cleanup Sites Listing (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | MILITARY PRIV SITES | Military Privatized Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | MILITARY UST SITES | Military UST Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|---|---|---|---|---|---|
| CA | MINES | Mines Site Location Listing | Department of Conservation | 12/07/2020 | 12/08/2020 | 02/22/2021 |
| CA | MWMP | Medical Waste Management Program Listing | Department of Public Health | 10/30/2020 | 12/01/2020 | 02/12/2021 |
| CA | NON-CASE INFO | Non-Case Information Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | NOTIFY 65 | Proposition 65 Records | State Water Resources Control Board | 12/07/2020 | 12/09/2020 | 12/10/2020 |
| CA | NPDES | NPDES Permits Listing | State Water Resources Control Board | 11/09/2020 | 11/10/2020 | 01/27/2021 |
| CA | OTHER OIL GAS | Other Oil & Gas Projects Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | PEST LIC | Pesticide Regulation Licenses Listing | Department of Pesticide Regulation | 11/30/2020 | 12/01/2020 | 02/12/2021 |
| CA | PFAS | PFAS Contamination Site Location Listing | State Water Resources Control Board | 12/07/2020 | 12/08/2020 | 02/22/2021 |
| CA | PROC | Certified Processors Database | Department of Conservation | 12/07/2020 | 12/08/2020 | 02/22/2021 |
| CA | PROD WATER PONDS | Produced Water Ponds Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | PROJECT | Project Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | RESPONSE | State Response Sites | Department of Toxic Substances Control | 10/26/2020 | 10/26/2020 | 01/13/2021 |
| CA | RGA LF | Recovered Government Archive Solid Waste Facilities List | Department of Resources Recycling and Recover | | 07/01/2013 | 01/13/2014 |
| CA | RGA LUST | Recovered Government Archive Leaking Underground Storage Tan | State Water Resources Control Board | | 07/01/2013 | 12/30/2013 |
| CA | SAMPLING POINT | Sampling Point ? Public Sites (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | SAN FRANCISCO AST | Aboveground Storage Tank Site Listing | San Francisco County Department of Public Hea | 11/05/2020 | 11/06/2020 | 01/26/2021 |
| CA | SCH | School Property Evaluation Program | Department of Toxic Substances Control | 10/26/2020 | 10/26/2020 | 01/13/2021 |
| CA | SLIC REG 1 | Active Toxic Site Investigations | California Regional Water Quality Control Boa | 04/03/2003 | 04/07/2003 | 04/25/2003 |
| CA | SLIC REG 2 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board San Fran | 09/30/2004 | 10/20/2004 | 11/19/2004 |
| CA | SLIC REG 3 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Regional Water Quality Control Boa | 05/18/2006 | 05/18/2006 | 06/15/2006 |
| CA | SLIC REG 4 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Region Water Quality Control Board Los Angele | 11/17/2004 | 11/18/2004 | 01/04/2005 |
| CA | SLIC REG 5 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board Central | 04/01/2005 | 04/05/2005 | 04/21/2005 |
| CA | SLIC REG 6L | SLIC Sites | California Regional Water Quality Control Boa | 09/07/2004 | 09/07/2004 | 10/12/2004 |
| CA | SLIC REG 6V | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board, Victorv | 05/24/2005 | 05/25/2005 | 06/16/2005 |
| CA | SLIC REG 7 | SLIC List | California Regional Quality Control Board, Co | 11/24/2004 | 11/29/2004 | 01/04/2005 |
| CA | SLIC REG 8 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Region Water Quality Control Board | 04/03/2008 | 04/03/2008 | 04/14/2008 |
| CA | SLIC REG 9 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Regional Water Quality Control Boa | 09/10/2007 | 09/11/2007 | 09/28/2007 |
| CA | SPILLS 90 | SPILLS90 data from FirstSearch | FirstSearch | 06/06/2012 | 01/03/2013 | 02/22/2013 |
| CA | SWEEPS UST | SWEEPS UST Listing | State Water Resources Control Board | 06/01/1994 | 07/07/2005 | 08/11/2005 |
| CA | SWF/LF (SWIS) | Solid Waste Information System | Department of Resources Recycling and Recover | 11/09/2020 | 11/10/2020 | 01/14/2021 |
| CA | SWRCY | Recycler Database | Department of Conservation | 12/07/2020 | 12/08/2020 | 02/22/2021 |
| CA | TOXIC PITS | Toxic Pits Cleanup Act Sites | State Water Resources Control Board | 07/01/1995 | 08/30/1995 | 09/26/1995 |
| CA | UIC | UIC Listing | Deaprtment of Conservation | 02/01/2021 | 02/19/2021 | 02/22/2021 |
| CA | UIC GEO | Underground Injection Control Sites (GEOTRACKER) | State Water Resource Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | UST | Active UST Facilities | SWRCB | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | UST CLOSURE | Proposed Closure of Underground Storage Tank (UST) Cases | State Water Resources Control Board | 12/02/2020 | 12/08/2020 | 02/23/2021 |
| CA | VCP | Voluntary Cleanup Program Properties | Department of Toxic Substances Control | 10/26/2020 | 10/26/2020 | 01/13/2021 |
| CA | WASTEWATER PITS | Oil Wastewater Pits Listing | RWQCB, Central Valley Region | 11/19/2019 | 01/07/2020 | 03/09/2020 |
| CA | WDR | Waste Discharge Requirements Listing | State Water Resources Control Board | 12/07/2020 | 12/08/2020 | 02/22/2021 |
| CA | WDS | Waste Discharge System | State Water Resources Control Board | 06/19/2007 | 06/20/2007 | 06/29/2007 |
| CA | WELL STIM PROJ | Well Stimulation Project (GEOTRACKER) | State Water Resources Control Board | 12/04/2020 | 12/04/2020 | 02/18/2021 |
| CA | WIP | Well Investigation Program Case List | Los Angeles Water Quality Control Board | 07/03/2009 | 07/21/2009 | 08/03/2009 |
| CA | WMUDS/SWAT | Waste Management Unit Database | State Water Resources Control Board | 04/01/2000 | 04/10/2000 | 05/10/2000 |
| US | 2020 COR ACTION | 2020 Corrective Action Program List | Environmental Protection Agency | 09/30/2017 | 05/08/2018 | 07/20/2018 |
| US | ABANDONED MINES | Abandoned Mines | Department of Interior | 12/11/2020 | 12/11/2020 | 03/02/2021 |
| US | BRS | Biennial Reporting System | EPA/NTIS | 12/31/2017 | 06/22/2020 | 11/20/2020 |
| US | COAL ASH DOE | Steam-Electric Plant Operation Data | Department of Energy | 12/31/2019 | 12/01/2020 | 02/09/2021 |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|---|---|---|---|---|---|
| US | COAL ASH EPA | Coal Combustion Residues Surface Impoundments List | Environmental Protection Agency | 01/12/2017 | 03/05/2019 | 11/11/2019 |
| US | CONSENT | Superfund (CERCLA) Consent Decrees | Department of Justice, Consent Decree Library | 09/30/2020 | 10/08/2020 | 01/04/2021 |
| US | CORRACTS | Corrective Action Report | EPA | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | DEBRIS REGION 9 | Torres Martinez Reservation Illegal Dump Site Locations | EPA, Region 9 | 01/12/2009 | 05/07/2009 | 09/21/2009 |
| US | DOCKET HWC | Hazardous Waste Compliance Docket Listing | Environmental Protection Agency | 11/03/2020 | 11/17/2020 | 02/09/2021 |
| US | DOD | Department of Defense Sites | USGS | 12/31/2005 | 11/10/2006 | 01/11/2007 |
| US | DOT OPS | Incident and Accident Data | Department of Transporation, Office of Pipeli | 01/02/2020 | 01/28/2020 | 04/17/2020 |
| US | Delisted NPL | National Priority List Deletions | EPA | 12/30/2020 | 01/14/2021 | 02/09/2021 |
| US | ECHO | Enforcement & Compliance History Information | Environmental Protection Agency | 10/03/2020 | 10/06/2020 | 01/04/2021 |
| US | EDR Hist Auto | EDR Exclusive Historical Auto Stations | EDR, Inc. | | | |
| US | EDR Hist Cleaner | EDR Exclusive Historical Cleaners | EDR, Inc. | | | |
| US | EDR MGP | EDR Proprietary Manufactured Gas Plants | EDR, Inc. | | | |
| US | EPA WATCH LIST | EPA WATCH LIST | Environmental Protection Agency | 08/30/2013 | 03/21/2014 | 06/17/2014 |
| US | ERNS | Emergency Response Notification System | National Response Center, United States Coast | 12/14/2020 | 12/15/2020 | 12/22/2020 |
| US | FEDERAL FACILITY | Federal Facility Site Information listing | Environmental Protection Agency | 04/03/2019 | 04/05/2019 | 05/14/2019 |
| US | FEDLAND | Federal and Indian Lands | U.S. Geological Survey | 04/02/2018 | 04/11/2018 | 11/06/2019 |
| US | FEMA UST | Underground Storage Tank Listing | FEMA | 07/21/2020 | 09/03/2020 | 11/25/2020 |
| US | FINDS | Facility Index System/Facility Registry System | EPA | 11/04/2020 | 12/01/2020 | 01/25/2021 |
| US | FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA/Office of Prevention, Pesticides and Toxi | 04/09/2009 | 04/16/2009 | 05/11/2009 |
| US | FTTS INSP | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA | 04/09/2009 | 04/16/2009 | 05/11/2009 |
| US | FUDS | Formerly Used Defense Sites | U.S. Army Corps of Engineers | 09/29/2020 | 11/17/2020 | 01/25/2021 |
| US | FUELS PROGRAM | EPA Fuels Program Registered Listing | EPA | 11/13/2020 | 11/13/2020 | 01/25/2021 |
| US | FUSRAP | Formerly Utilized Sites Remedial Action Program | Department of Energy | 08/08/2017 | 09/11/2018 | 09/14/2018 |
| US | HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing | Environmental Protection Agency | 10/19/2006 | 03/01/2007 | 04/10/2007 |
| US | HIST FTTS INSP | FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis | Environmental Protection Agency | 10/19/2006 | 03/01/2007 | 04/10/2007 |
| US | HMIRS | Hazardous Materials Information Reporting System | U.S. Department of Transportation | 12/16/2020 | 12/17/2020 | 03/12/2021 |
| US | ICIS | Integrated Compliance Information System | Environmental Protection Agency | 11/18/2016 | 11/23/2016 | 02/10/2017 |
| US | IHS OPEN DUMPS | Open Dumps on Indian Land | Department of Health & Human Serivces, Indian | 04/01/2014 | 08/06/2014 | 01/29/2015 |
| US | INDIAN LUST R1 | Leaking Underground Storage Tanks on Indian Land | EPA Region 1 | 10/01/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN LUST R10 | Leaking Underground Storage Tanks on Indian Land | EPA Region 10 | 11/12/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN LUST R4 | Leaking Underground Storage Tanks on Indian Land | EPA Region 4 | 10/02/2020 | 12/18/2020 | 03/12/2021 |
| US | INDIAN LUST R5 | Leaking Underground Storage Tanks on Indian Land | EPA, Region 5 | 10/07/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN LUST R6 | Leaking Underground Storage Tanks on Indian Land | EPA Region 6 | 04/08/2020 | 05/20/2020 | 08/12/2020 |
| US | INDIAN LUST R7 | Leaking Underground Storage Tanks on Indian Land | EPA Region 7 | 09/30/2020 | 12/22/2020 | 03/12/2021 |
| US | INDIAN LUST R8 | Leaking Underground Storage Tanks on Indian Land | EPA Region 8 | 10/09/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN LUST R9 | Leaking Underground Storage Tanks on Indian Land | Environmental Protection Agency | 10/01/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN ODI | Report on the Status of Open Dumps on Indian Lands | Environmental Protection Agency | 12/31/1998 | 12/03/2007 | 01/24/2008 |
| US | INDIAN RESERV | Indian Reservations | USGS | 12/31/2014 | 07/14/2015 | 01/10/2017 |
| US | INDIAN UST R1 | Underground Storage Tanks on Indian Land | EPA, Region 1 | 10/01/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN UST R10 | Underground Storage Tanks on Indian Land | EPA Region 10 | 11/12/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN UST R4 | Underground Storage Tanks on Indian Land | EPA Region 4 | 10/02/2020 | 12/18/2020 | 03/12/2021 |
| US | INDIAN UST R5 | Underground Storage Tanks on Indian Land | EPA Region 5 | 10/07/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN UST R6 | Underground Storage Tanks on Indian Land | EPA Region 6 | 04/08/2020 | 05/20/2020 | 08/12/2020 |
| US | INDIAN UST R7 | Underground Storage Tanks on Indian Land | EPA Region 7 | 09/30/2020 | 12/22/2020 | 03/12/2021 |
| US | INDIAN UST R8 | Underground Storage Tanks on Indian Land | EPA Region 8 | 10/09/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN UST R9 | Underground Storage Tanks on Indian Land | EPA Region 9 | 10/01/2020 | 12/16/2020 | 03/12/2021 |
| US | INDIAN VCP R1 | Voluntary Cleanup Priority Listing | EPA, Region 1 | 07/27/2015 | 09/29/2015 | 02/18/2016 |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|---|---|---|---|---|---|
| US | INDIAN VCP R7 | Voluntary Cleanup Priority Lisitng | EPA, Region 7 | 03/20/2008 | 04/22/2008 | 05/19/2008 |
| US | LEAD SMELTER 1 | Lead Smelter Sites | Environmental Protection Agency | 12/30/2020 | 01/14/2021 | 02/09/2021 |
| US | LEAD SMELTER 2 | Lead Smelter Sites | American Journal of Public Health | 04/05/2001 | 10/27/2010 | 12/02/2010 |
| US | LIENS 2 | CERCLA Lien Information | Environmental Protection Agency | 12/30/2020 | 01/14/2021 | 02/18/2021 |
| US | LUCIS | Land Use Control Information System | Department of the Navy | 11/11/2020 | 11/17/2020 | 02/09/2021 |
| US | MINES MRDS | Mineral Resources Data System | USGS | 04/06/2018 | 10/21/2019 | 10/24/2019 |
| US | MINES VIOLATIONS | MSHA Violation Assessment Data | DOL, Mine Safety & Health Admi | 11/24/2020 | 11/30/2020 | 01/25/2021 |
| US | MLTS | Material Licensing Tracking System | Nuclear Regulatory Commission | 08/05/2020 | 08/10/2020 | 10/08/2020 |
| US | NPL | National Priority List | EPA | 12/30/2020 | 01/14/2021 | 02/09/2021 |
| US | NPL LIENS | Federal Superfund Liens | EPA | 10/15/1991 | 02/02/1994 | 03/30/1994 |
| US | ODI | Open Dump Inventory | Environmental Protection Agency | 06/30/1985 | 08/09/2004 | 09/17/2004 |
| US | PADS | PCB Activity Database System | EPA | 10/09/2019 | 10/11/2019 | 12/20/2019 |
| US | PCB TRANSFORMER | PCB Transformer Registration Database | Environmental Protection Agency | 09/13/2019 | 11/06/2019 | 02/10/2020 |
| US | PCS | Permit Compliance System | EPA, Office of Water | 07/14/2011 | 08/05/2011 | 09/29/2011 |
| US | PCS ENF | Enforcement data | EPA | 12/31/2014 | 02/05/2015 | 03/06/2015 |
| US | PCS INACTIVE | Listing of Inactive PCS Permits | EPA | 11/05/2014 | 01/06/2015 | 05/06/2015 |
| US | PRP | Potentially Responsible Parties | EPA | 12/30/2020 | 01/14/2021 | 03/05/2021 |
| US | Proposed NPL | Proposed National Priority List Sites | EPA | 12/30/2020 | 01/14/2021 | 02/09/2021 |
| US | RAATS | RCRA Administrative Action Tracking System | EPA | 04/17/1995 | 07/03/1995 | 08/07/1995 |
| US | RADINFO | Radiation Information Database | Environmental Protection Agency | 07/01/2019 | 07/01/2019 | 09/23/2019 |
| US | RCRA NonGen / NLR | RCRA - Non Generators / No Longer Regulated | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | RCRA-LQG | RCRA - Large Quantity Generators | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | RCRA-SQG | RCRA - Small Quantity Generators | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | RCRA-TSDF | RCRA - Treatment, Storage and Disposal | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | RCRA-VSQG | RCRA - Very Small Quantity Generators (Formerly Conditionall | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 12/22/2020 |
| US | RMP | Risk Management Plans | Environmental Protection Agency | 11/02/2020 | 11/12/2020 | 01/25/2021 |
| US | ROD | Records Of Decision | EPA | 12/30/2020 | 01/14/2021 | 02/18/2021 |
| US | SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing | Environmental Protection Agency | 01/01/2017 | 02/03/2017 | 04/07/2017 |
| US | SEMS | Superfund Enterprise Management System | EPA | 12/30/2020 | 01/14/2021 | 02/18/2021 |
| US | SEMS-ARCHIVE | Superfund Enterprise Management System Archive | EPA | 12/30/2020 | 01/14/2021 | 02/18/2021 |
| US | SSTS | Section 7 Tracking Systems | EPA | 10/19/2020 | 10/19/2020 | 01/04/2021 |
| US | TRIS | Toxic Chemical Release Inventory System | EPA | 12/31/2018 | 08/14/2020 | 11/04/2020 |
| US | TSCA | Toxic Substances Control Act | EPA | 12/31/2016 | 06/17/2020 | 09/10/2020 |
| US | UMTRA | Uranium Mill Tailings Sites | Department of Energy | 08/30/2019 | 11/15/2019 | 01/28/2020 |
| US | US AIRS (AFS) | Aerometric Information Retrieval System Facility Subsystem ( | EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | US AIRS MINOR | Air Facility System Data | EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | US BROWNFIELDS | A Listing of Brownfields Sites | Environmental Protection Agency | 12/11/2020 | 12/11/2020 | 03/02/2021 |
| US | US CDL | Clandestine Drug Labs | Drug Enforcement Administration | 12/07/2020 | 12/09/2020 | 03/02/2021 |
| US | US ENG CONTROLS | Engineering Controls Sites List | Environmental Protection Agency | 10/28/2020 | 11/05/2020 | 11/18/2020 |
| US | US FIN ASSUR | Financial Assurance Information | Environmental Protection Agency | 12/14/2020 | 12/17/2020 | 03/12/2021 |
| US | US HIST CDL | National Clandestine Laboratory Register | Drug Enforcement Administration | 12/07/2020 | 12/09/2020 | 03/02/2021 |
| US | US INST CONTROLS | Institutional Controls Sites List | Environmental Protection Agency | 10/28/2020 | 11/05/2020 | 11/18/2020 |
| US | US MINES | Mines Master Index File | Department of Labor, Mine Safety and Health A | 11/03/2020 | 11/23/2020 | 01/25/2021 |
| US | US MINES 2 | Ferrous and Nonferrous Metal Mines Database Listing | USGS | 05/06/2020 | 05/27/2020 | 08/13/2020 |
| US | US MINES 3 | Active Mines & Mineral Plants Database Listing | USGS | 04/14/2011 | 06/08/2011 | 09/13/2011 |
| US | UXO | Unexploded Ordnance Sites | Department of Defense | 12/31/2018 | 07/02/2020 | 09/17/2020 |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|---|---|---|---|---|---|
| CT | CT MANIFEST | Hazardous Waste Manifest Data | Department of Energy & Environmental Protecti | 08/10/2020 | 10/20/2020 | 11/02/2020 |
| NJ | NJ MANIFEST | Manifest Information | Department of Environmental Protection | 12/31/2018 | 04/10/2019 | 05/16/2019 |
| NY | NY MANIFEST | Facility and Manifest Data | Department of Environmental Conservation | 01/01/2019 | 04/29/2020 | 07/10/2020 |
| PA | PA MANIFEST | Manifest Information | Department of Environmental Protection | 06/30/2018 | 07/19/2019 | 09/10/2019 |
| RI | RI MANIFEST | Manifest information | Department of Environmental Management | 12/31/2019 | 02/11/2021 | 02/24/2021 |
| WI | WI MANIFEST | Manifest Information | Department of Natural Resources | 05/31/2018 | 06/19/2019 | 09/03/2019 |
| US | AHA Hospitals | Sensitive Receptor: AHA Hospitals | American Hospital Association, Inc. | | | |
| US | Medical Centers | Sensitive Receptor: Medical Centers | Centers for Medicare & Medicaid Services | | | |
| US | Nursing Homes | Sensitive Receptor: Nursing Homes | National Institutes of Health | | | |
| US | Public Schools | Sensitive Receptor: Public Schools | National Center for Education Statistics | | | |
| US | Private Schools | Sensitive Receptor: Private Schools | National Center for Education Statistics | | | |
| CA | Daycare Centers | Sensitive Receptor: Licensed Facilities | Department of Social Services | | | |
| US | Flood Zones | 100-year and 500-year flood zones | Emergency Management Agency (FEMA) | | | |
| US | NWI | National Wetlands Inventory | U.S. Fish and Wildlife Service | | | |
| CA | State Wetlands | Wetland Inventory | Department of Fish and Wildlife | | | |
| US | Topographic Map | Current USGS 7.5 Minute Topographic Map | U.S. Geological Survey | | | |
| US | Oil/Gas Pipelines | | Endeavor Business Media | | | |
| US | Electric Power Transmission Line Data | | Endeavor Business Media | | | |

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, CA 92649

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 33.714457 - 33˚ 42' 52.05'' |
| Longitude (West): | 118.042063 - 118˚ 2' 31.43'' |
| Universal Tranverse Mercator: | Zone 11 |
| UTM X (Meters): | 403442.7 |
| UTM Y (Meters): | 3730790.2 |
| Elevation: | 40 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 5633763 SEAL BEACH, CA |
| Version Date: | 2012 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

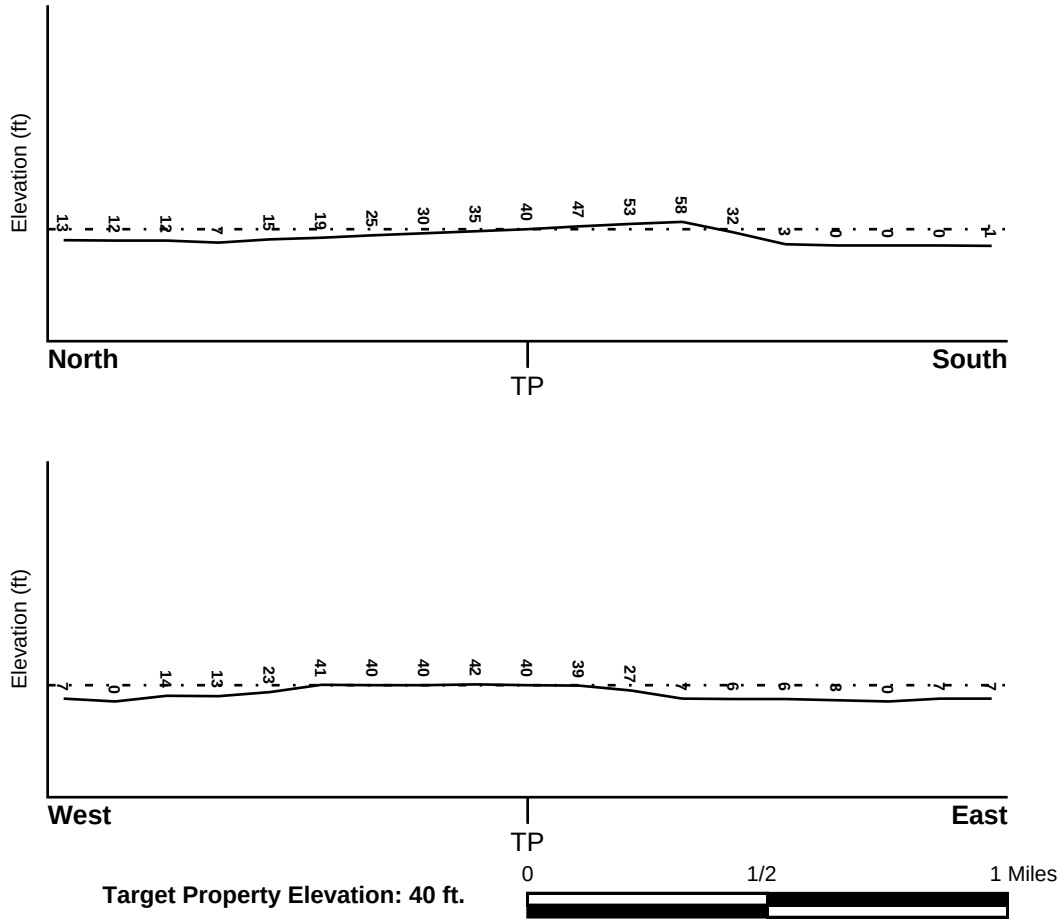
**TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

General Topographic Gradient: General NE

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




**Target Property Elevation: 40 ft.**

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

| Flood Plain Panel at Target Property | FEMA Source Type |
|---|---|
| 06037C2100F | FEMA FIRM Flood data |

| Additional Panels in search area: | FEMA Source Type |
|---|---|
| Not Reported | |

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| SEAL BEACH | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| A9 | 0 - 1/8 Mile ENE | SE, SW |
| A10 | 0 - 1/8 Mile ENE | SE, SW |
| A16 | 0 - 1/8 Mile ENE | SE |
| 49 | 1/8 - 1/4 Mile East | SE |
| AO230 | 1/2 - 1 Mile North | SW |
| AT340 | 1/2 - 1 Mile ENE | SSW |
| 1G | 1/2 - 1 Mile North | SW |
| 2G | 1/2 - 1 Mile ENE | SSW |

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| 3G | 1/8 - 1/4 Mile East | SE |
| 4G | 0 - 1/8 Mile ENE | SE, SW |
| 5G | 0 - 1/8 Mile ENE | SE, SW |
| 6G | 0 - 1/8 Mile ENE | SE |

For additional site information, refer to Physical Setting Source Map Findings.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

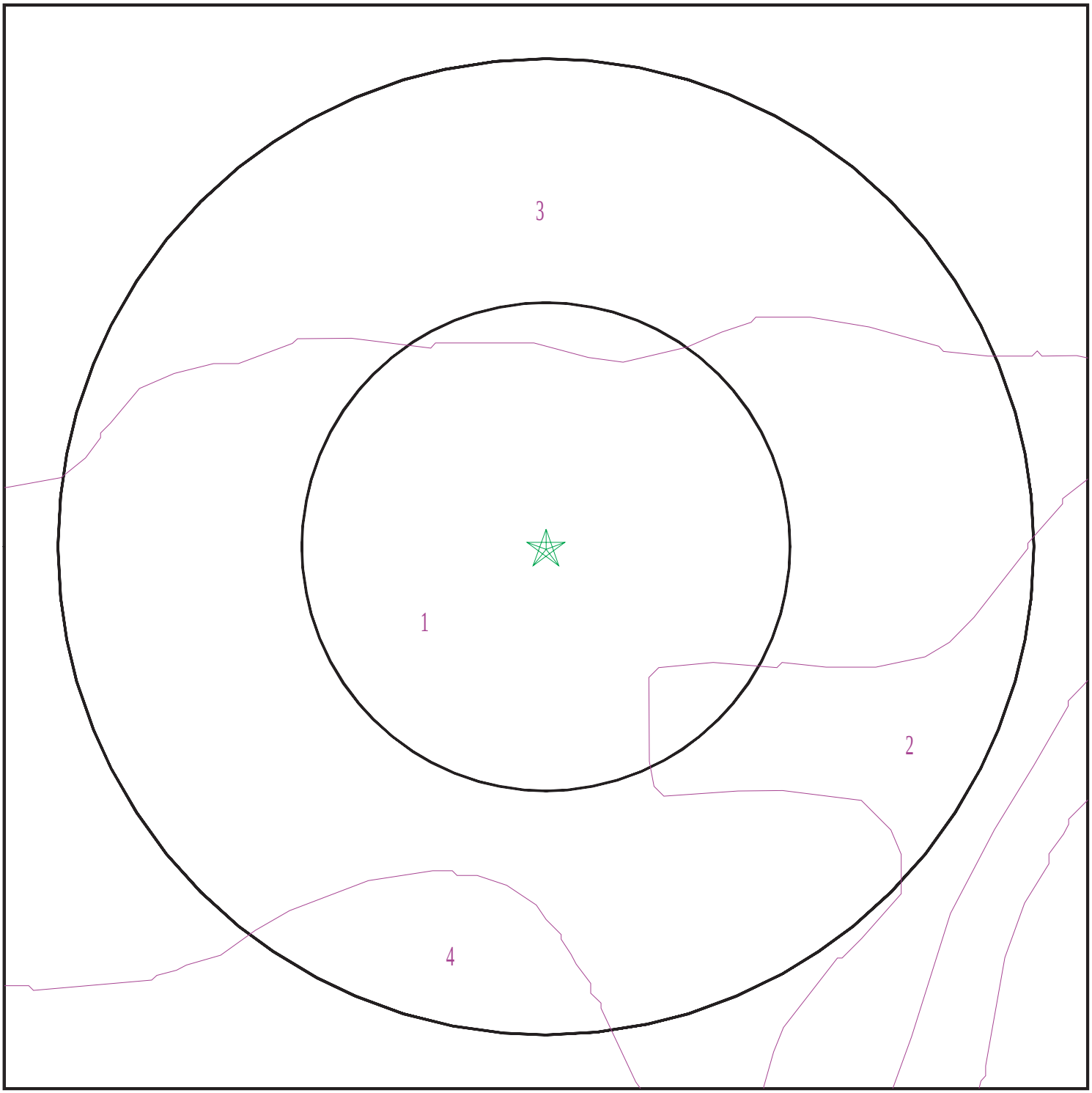
| | |
|---|---|
| Era: | Cenozoic |
| System: | Quaternary |
| Series: | Quaternary |
| Code: | Q *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 6404402.2s




Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

| | | | |
|---|---|---|---|
| SITE NAME: | Proposed Senior Living Development - HB | CLIENT: | Terracon |
| ADDRESS: | 4952 and 4972 Warner Avenue<br>Huntington Beach CA 92649 | CONTACT: | Meg Haile |
| | | INQUIRY #: | 6404402.2s |
| LAT/LONG: | 33.714457 / 118.042063 | DATE: | March 15, 2021 11:05 am |

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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

---

**Soil Map ID: 1**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 2 | 7 inches | 11 inches | sandy clay | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 3 | 11 inches | 20 inches | sandy clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 4 | 20 inches | 64 inches | sandy clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 5 | 64 inches | 79 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

---

**Soil Map ID: 2**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 2 | 7 inches | 11 inches | sandy clay | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 3 | 11 inches | 20 inches | sandy clay loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 4 | 20 inches | 64 inches | sandy clay loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 5 | 64 inches | 79 inches | sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

**Soil Map ID: 3**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 22 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 2 | 22 inches | 27 inches | sandy clay | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 3 | 27 inches | 38 inches | sandy clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 4 | 38 inches | 70 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 5 | 70 inches | 79 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

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**Soil Map ID: 4**

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 22 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 2 | 22 inches | 27 inches | sandy clay | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 3 | 27 inches | 38 inches | sandy clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 4 | 38 inches | 70 inches | sandy clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |
| 5 | 70 inches | 79 inches | sandy loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 6.5<br>Min: 6.1 |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

## FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| C31 | USGS40000137282 | 0 - 1/8 Mile North |
| C32 | USGS40000137275 | 0 - 1/8 Mile NW |
| C40 | USGS40000137283 | 0 - 1/8 Mile NNW |
| D43 | USGS40000137264 | 1/8 - 1/4 Mile WNW |
| C45 | USGS40000137298 | 1/8 - 1/4 Mile NNW |
| E47 | USGS40000137295 | 1/8 - 1/4 Mile NE |
| F52 | USGS40000137306 | 1/8 - 1/4 Mile NNW |
| D53 | USGS40000137259 | 1/8 - 1/4 Mile West |
| E56 | USGS40000137316 | 1/8 - 1/4 Mile NNE |
| F59 | USGS40000137326 | 1/8 - 1/4 Mile North |
| F60 | USGS40000137307 | 1/8 - 1/4 Mile NW |
| H63 | USGS40000137325 | 1/8 - 1/4 Mile NNE |
| G64 | USGS40000137299 | 1/8 - 1/4 Mile NW |
| 66 | USGS40000137331 | 1/8 - 1/4 Mile North |
| G68 | USGS40000137296 | 1/8 - 1/4 Mile WNW |
| J81 | USGS40000137334 | 1/4 - 1/2 Mile NNW |
| L82 | USGS40000137209 | 1/4 - 1/2 Mile SW |
| K83 | USGS40000137284 | 1/4 - 1/2 Mile WNW |
| M86 | USGS40000137330 | 1/4 - 1/2 Mile NE |
| L88 | USGS40000137215 | 1/4 - 1/2 Mile SW |
| H90 | USGS40000137340 | 1/4 - 1/2 Mile NNE |
| L92 | USGS40000137216 | 1/4 - 1/2 Mile WSW |
| O97 | USGS40000137186 | 1/4 - 1/2 Mile SSW |
| P101 | USGS40000137274 | 1/4 - 1/2 Mile ENE |
| J102 | USGS40000137335 | 1/4 - 1/2 Mile NW |
| Q104 | USGS40000137349 | 1/4 - 1/2 Mile NNE |
| K106 | USGS40000137285 | 1/4 - 1/2 Mile WNW |
| S109 | USGS40000137308 | 1/4 - 1/2 Mile WNW |
| R113 | USGS40000137353 | 1/4 - 1/2 Mile North |
| S114 | USGS40000137332 | 1/4 - 1/2 Mile NW |
| S117 | USGS40000137309 | 1/4 - 1/2 Mile WNW |
| Q122 | USGS40000137352 | 1/4 - 1/2 Mile NNE |
| V126 | USGS40000137210 | 1/4 - 1/2 Mile WSW |
| R138 | USGS40000137361 | 1/4 - 1/2 Mile NNW |
| W142 | USGS40000137260 | 1/4 - 1/2 Mile West |
| X143 | USGS40000137336 | 1/4 - 1/2 Mile NW |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| Y145 | USGS40000137160 | 1/4 - 1/2 Mile South |
| Z154 | USGS40000137354 | 1/4 - 1/2 Mile NW |
| Z155 | USGS40000137355 | 1/4 - 1/2 Mile NW |
| X156 | USGS40000137346 | 1/4 - 1/2 Mile NW |
| V158 | USGS40000137217 | 1/4 - 1/2 Mile WSW |
| X160 | USGS40000137337 | 1/4 - 1/2 Mile NW |
| AB163 | USGS40000137286 | 1/4 - 1/2 Mile WNW |
| Z164 | USGS40000137356 | 1/4 - 1/2 Mile NW |
| AC168 | USGS40000137379 | 1/4 - 1/2 Mile North |
| Z169 | USGS40000137362 | 1/4 - 1/2 Mile NW |
| W172 | USGS40000137257 | 1/4 - 1/2 Mile West |
| W174 | USGS40000137252 | 1/4 - 1/2 Mile West |
| AB178 | USGS40000137276 | 1/4 - 1/2 Mile West |
| Z185 | USGS40000137373 | 1/4 - 1/2 Mile NNW |
| AE186 | USGS40000137139 | 1/4 - 1/2 Mile SSW |
| AE187 | USGS40000137140 | 1/4 - 1/2 Mile SSW |
| AF197 | USGS40000137294 | 1/4 - 1/2 Mile ENE |
| AH206 | USGS40000137378 | 1/4 - 1/2 Mile NNW |
| AJ219 | USGS40000137383 | 1/4 - 1/2 Mile NNE |
| AG220 | USGS40000137406 | 1/4 - 1/2 Mile North |
| AL225 | USGS40000137211 | 1/2 - 1 Mile WSW |
| AM231 | USGS40000137357 | 1/2 - 1 Mile NW |
| AL232 | USGS40000137204 | 1/2 - 1 Mile WSW |
| AK259 | USGS40000137412 | 1/2 - 1 Mile NNE |
| AM261 | USGS40000137374 | 1/2 - 1 Mile NW |
| AM279 | USGS40000137371 | 1/2 - 1 Mile NW |
| AQ283 | USGS40000137360 | 1/2 - 1 Mile NE |
| AM301 | USGS40000137375 | 1/2 - 1 Mile NW |
| AP304 | USGS40000137345 | 1/2 - 1 Mile ENE |
| AS316 | USGS40000137224 | 1/2 - 1 Mile WSW |
| AS317 | USGS40000137223 | 1/2 - 1 Mile WSW |
| AS318 | USGS40000137226 | 1/2 - 1 Mile WSW |
| AS319 | USGS40000137225 | 1/2 - 1 Mile WSW |
| AV335 | USGS40000137429 | 1/2 - 1 Mile NNW |
| AW338 | USGS40000137189 | 1/2 - 1 Mile WSW |
| AW339 | USGS40000137190 | 1/2 - 1 Mile WSW |
| AT342 | USGS40000137351 | 1/2 - 1 Mile ENE |
| AX343 | USGS40000137385 | 1/2 - 1 Mile NE |
| AV347 | USGS40000137438 | 1/2 - 1 Mile NNW |
| AY348 | USGS40000137430 | 1/2 - 1 Mile NNW |
| AX351 | USGS40000137405 | 1/2 - 1 Mile NE |
| AX354 | USGS40000137396 | 1/2 - 1 Mile NE |
| BA357 | USGS40000137425 | 1/2 - 1 Mile NE |
| BD370 | USGS40000137267 | 1/2 - 1 Mile West |
| BE371 | USGS40000137344 | 1/2 - 1 Mile ENE |
| BI387 | USGS40000137205 | 1/2 - 1 Mile WSW |
| BI388 | USGS40000137206 | 1/2 - 1 Mile WSW |
| BK398 | USGS40000137311 | 1/2 - 1 Mile West |
| BK399 | USGS40000137310 | 1/2 - 1 Mile West |
| BK400 | USGS40000137313 | 1/2 - 1 Mile West |
| BK401 | USGS40000137312 | 1/2 - 1 Mile West |
| BL403 | USGS40000137363 | 1/2 - 1 Mile WNW |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| BM413 | USGS40000137339 | 1/2 - 1 Mile ENE |
| BL415 | USGS40000137365 | 1/2 - 1 Mile WNW |
| BL416 | USGS40000137364 | 1/2 - 1 Mile WNW |
| BL417 | USGS40000137367 | 1/2 - 1 Mile WNW |
| BL418 | USGS40000137366 | 1/2 - 1 Mile WNW |
| BO422 | USGS40000137458 | 1/2 - 1 Mile NE |
| BO423 | USGS40000137459 | 1/2 - 1 Mile NE |
| BO424 | USGS40000137460 | 1/2 - 1 Mile NE |
| BP427 | USGS40000137411 | 1/2 - 1 Mile ENE |
| BR433 | USGS40000137386 | 1/2 - 1 Mile WNW |
| BR434 | USGS40000137387 | 1/2 - 1 Mile WNW |
| BR435 | USGS40000137388 | 1/2 - 1 Mile WNW |
| BS438 | USGS40000137432 | 1/2 - 1 Mile NW |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | CAEDF0000140037 | 0 - 1/8 Mile ENE |
| A2 | CAEDF0000139845 | 0 - 1/8 Mile NE |
| A3 | CAEDF0000080445 | 0 - 1/8 Mile NNE |
| A4 | CAEDF0000081514 | 0 - 1/8 Mile NNE |
| A5 | CAEDF0000112108 | 0 - 1/8 Mile NE |
| A6 | CAEDF0000113901 | 0 - 1/8 Mile NNE |
| A7 | CAEDF0000087138 | 0 - 1/8 Mile North |
| A8 | CAEDF0000053696 | 0 - 1/8 Mile North |
| B11 | CADWR0000015911 | 0 - 1/8 Mile WSW |
| B12 | CADWR0000019596 | 0 - 1/8 Mile WSW |
| B13 | CADWR0000024224 | 0 - 1/8 Mile WSW |
| A14 | CAEDF0000084633 | 0 - 1/8 Mile NNE |
| A15 | CAEDF0000062799 | 0 - 1/8 Mile NNE |
| A17 | CAEDF0000120310 | 0 - 1/8 Mile North |
| A18 | CAEDF0000058678 | 0 - 1/8 Mile North |
| A19 | CAEDF0000042213 | 0 - 1/8 Mile North |
| A20 | CAEDF0000018135 | 0 - 1/8 Mile North |
| A21 | CAEDF0000081513 | 0 - 1/8 Mile NNE |
| A22 | CAEDF0000129495 | 0 - 1/8 Mile NNE |
| A23 | CAEDF0000113374 | 0 - 1/8 Mile NNE |
| A24 | CAEDF0000141318 | 0 - 1/8 Mile North |
| A25 | CAEDF0000063787 | 0 - 1/8 Mile North |
| A26 | CAEDF0000074136 | 0 - 1/8 Mile North |
| A27 | CAEDF0000011312 | 0 - 1/8 Mile NNE |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A28 | CAEDF0000024235 | 0 - 1/8 Mile NNE |
| C29 | CAUSGSN00016311 | 0 - 1/8 Mile North |
| C30 | CAUSGSN00000892 | 0 - 1/8 Mile NW |
| A33 | CAEDF0000013626 | 0 - 1/8 Mile NNE |
| A34 | CAEDF0000082767 | 0 - 1/8 Mile NNE |
| C35 | CAEDF0000088441 | 0 - 1/8 Mile North |
| C36 | CAEDF0000014473 | 0 - 1/8 Mile North |
| C37 | CAEDF0000110334 | 0 - 1/8 Mile NNE |
| C38 | CAEDF0000140553 | 0 - 1/8 Mile NNE |
| C39 | CAUSGSN00010116 | 0 - 1/8 Mile NNW |
| C41 | CAEDF0000037015 | 0 - 1/8 Mile NNE |
| D42 | CAUSGSN00019308 | 1/8 - 1/4 Mile WNW |
| C44 | CAUSGSN00012768 | 1/8 - 1/4 Mile North |
| E46 | CAUSGSN00004687 | 1/8 - 1/4 Mile NE |
| E48 | CADWR0000022364 | 1/8 - 1/4 Mile NNE |
| F50 | CAUSGSN00009448 | 1/8 - 1/4 Mile NNW |
| D51 | CAUSGSN00018094 | 1/8 - 1/4 Mile West |
| F54 | CADWR8000005123 | 1/8 - 1/4 Mile NW |
| E55 | CAUSGSN00000906 | 1/8 - 1/4 Mile NNE |
| F57 | CAUSGSN00013376 | 1/8 - 1/4 Mile North |
| F58 | CAUSGSN00015701 | 1/8 - 1/4 Mile NW |
| G61 | CAUSGSN00013976 | 1/8 - 1/4 Mile NW |
| E62 | CAUSGSN00014521 | 1/8 - 1/4 Mile NNE |
| H65 | CAUSGSN00002231 | 1/8 - 1/4 Mile North |
| G67 | CAUSGSN00007619 | 1/8 - 1/4 Mile WNW |
| F69 | CADWR0000024820 | 1/8 - 1/4 Mile NNW |
| F70 | CADWR0000006456 | 1/8 - 1/4 Mile NNW |
| F71 | CADWR0000006552 | 1/8 - 1/4 Mile NNW |
| F72 | CADWR0000033933 | 1/8 - 1/4 Mile NNW |
| F73 | CADWR0000030841 | 1/8 - 1/4 Mile NNW |
| F74 | CADWR0000028292 | 1/8 - 1/4 Mile NNW |
| F75 | CADWR0000015854 | 1/8 - 1/4 Mile NNW |
| F76 | CADWR0000003824 | 1/8 - 1/4 Mile NNW |
| I77 | CADWR0000012636 | 1/8 - 1/4 Mile East |
| I78 | CADWR0000036688 | 1/8 - 1/4 Mile East |
| J79 | CAUSGSN00014604 | 1/8 - 1/4 Mile NNW |
| K80 | CAUSGSN00009485 | 1/8 - 1/4 Mile WNW |
| M84 | CAUSGSN00010559 | 1/4 - 1/2 Mile NE |
| L85 | CAUSGSN00010882 | 1/4 - 1/2 Mile SW |
| L87 | CAUSGSN00014938 | 1/4 - 1/2 Mile SW |
| H89 | CAUSGSN00003020 | 1/4 - 1/2 Mile NNE |
| L91 | CAUSGSN00005535 | 1/4 - 1/2 Mile SW |
| N93 | CADWR0000003010 | 1/4 - 1/2 Mile West |
| N94 | CADWR0000018393 | 1/4 - 1/2 Mile West |
| N95 | CADWR0000023496 | 1/4 - 1/2 Mile West |
| J96 | CADWR0000019750 | 1/4 - 1/2 Mile NW |
| J98 | CAUSGSN00010583 | 1/4 - 1/2 Mile NW |
| O99 | CAUSGSN00002841 | 1/4 - 1/2 Mile SSW |
| P100 | CAUSGSN00016735 | 1/4 - 1/2 Mile ENE |
| K103 | CAUSGSN00000418 | 1/4 - 1/2 Mile WNW |
| Q105 | CAUSGSN00017332 | 1/4 - 1/2 Mile NNE |
| K107 | CAUSGSN00015609 | 1/4 - 1/2 Mile WNW |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| R108 | CAUSGSN00016313 | 1/4 - 1/2 Mile North |
| T110 | CADWR0000031604 | 1/4 - 1/2 Mile NE |
| T111 | CADWR0000032624 | 1/4 - 1/2 Mile NE |
| S112 | CAUSGSN00013827 | 1/4 - 1/2 Mile NW |
| U115 | 6341 | 1/4 - 1/2 Mile ENE |
| S116 | CAUSGSN00016367 | 1/4 - 1/2 Mile WNW |
| N118 | CADWR0000000647 | 1/4 - 1/2 Mile West |
| N119 | CADWR8000005107 | 1/4 - 1/2 Mile West |
| R120 | CADWR0000004362 | 1/4 - 1/2 Mile NNW |
| Q121 | CAUSGSN00018221 | 1/4 - 1/2 Mile NNE |
| R123 | CAUSGSN00002226 | 1/4 - 1/2 Mile NNW |
| V124 | CAUSGSN00016820 | 1/4 - 1/2 Mile WSW |
| W125 | CAUSGSN00000560 | 1/4 - 1/2 Mile West |
| S127 | CADWR0000028291 | 1/4 - 1/2 Mile NW |
| S128 | CADWR0000007536 | 1/4 - 1/2 Mile NW |
| S129 | CADWR0000019999 | 1/4 - 1/2 Mile NW |
| S130 | CADWR0000000663 | 1/4 - 1/2 Mile NW |
| S131 | CADWR0000029469 | 1/4 - 1/2 Mile NW |
| S132 | CADWR0000024451 | 1/4 - 1/2 Mile NW |
| S133 | CADWR0000033167 | 1/4 - 1/2 Mile NW |
| S134 | CADWR0000029585 | 1/4 - 1/2 Mile NW |
| S135 | CADWR0000020654 | 1/4 - 1/2 Mile NW |
| S136 | CADWR0000016015 | 1/4 - 1/2 Mile NW |
| S137 | CADWR0000019946 | 1/4 - 1/2 Mile NW |
| X139 | CAUSGSN00017259 | 1/4 - 1/2 Mile NW |
| W140 | CAEDF0000112968 | 1/4 - 1/2 Mile West |
| W141 | CAEDF0000065253 | 1/4 - 1/2 Mile West |
| U144 | CADDW0000006063 | 1/4 - 1/2 Mile ENE |
| Y146 | CAUSGSN00014488 | 1/4 - 1/2 Mile South |
| Z147 | CAUSGSN00015669 | 1/4 - 1/2 Mile NW |
| Z148 | CAUSGSN00004715 | 1/4 - 1/2 Mile NW |
| Z149 | CADWR8000005141 | 1/4 - 1/2 Mile NNW |
| AA150 | CADWR0000019498 | 1/4 - 1/2 Mile SW |
| AA151 | CADWR0000004152 | 1/4 - 1/2 Mile SW |
| X152 | CAUSGSN00009405 | 1/4 - 1/2 Mile NW |
| V153 | CAUSGSN00008065 | 1/4 - 1/2 Mile WSW |
| W157 | CAEDF0000055093 | 1/4 - 1/2 Mile West |
| X159 | CAUSGSN00015145 | 1/4 - 1/2 Mile NW |
| AB161 | CAUSGSN00013975 | 1/4 - 1/2 Mile WNW |
| X162 | CAUSGSN00005880 | 1/4 - 1/2 Mile NW |
| AC165 | CAUSGSN00012146 | 1/4 - 1/2 Mile North |
| Z166 | CAUSGSN00011972 | 1/4 - 1/2 Mile NW |
| W167 | CAEDF0000113184 | 1/4 - 1/2 Mile West |
| W170 | CAEDF0000073992 | 1/4 - 1/2 Mile West |
| W171 | CAUSGSN00001096 | 1/4 - 1/2 Mile West |
| AD173 | CAUSGSN00006380 | 1/4 - 1/2 Mile West |
| W175 | CAEDF0000133503 | 1/4 - 1/2 Mile West |
| AB176 | CAUSGSN00019264 | 1/4 - 1/2 Mile West |
| W177 | CAEDF0000139364 | 1/4 - 1/2 Mile West |
| AD179 | CAEDF0000084508 | 1/4 - 1/2 Mile West |
| AD180 | CAEDF0000065990 | 1/4 - 1/2 Mile West |
| Z181 | CAUSGSN00002725 | 1/4 - 1/2 Mile NNW |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| AD182 | CAEDF0000019490 | 1/4 - 1/2 Mile West |
| AB183 | CAEDF0000000552 | 1/4 - 1/2 Mile West |
| AB184 | CAEDF0000035215 | 1/4 - 1/2 Mile West |
| AE188 | CAUSGSN00008912 | 1/4 - 1/2 Mile SSW |
| AE189 | CAUSGSN00003394 | 1/4 - 1/2 Mile SSW |
| AD190 | CAEDF0000085330 | 1/4 - 1/2 Mile West |
| AD191 | CAEDF0000040538 | 1/4 - 1/2 Mile West |
| AD192 | CAEDF0000131991 | 1/4 - 1/2 Mile West |
| AB193 | CAEDF0000075500 | 1/4 - 1/2 Mile WNW |
| AB194 | CAEDF0000096581 | 1/4 - 1/2 Mile West |
| AB195 | CAEDF0000013271 | 1/4 - 1/2 Mile West |
| AD196 | CAEDF0000036019 | 1/4 - 1/2 Mile West |
| AF198 | CAUSGSN00016334 | 1/4 - 1/2 Mile ENE |
| AG199 | CADWR0000006417 | 1/4 - 1/2 Mile North |
| AG200 | CADWR0000036497 | 1/4 - 1/2 Mile North |
| AG201 | CADWR0000000840 | 1/4 - 1/2 Mile North |
| AG202 | CADWR0000036201 | 1/4 - 1/2 Mile North |
| AH203 | CAUSGSN00018171 | 1/4 - 1/2 Mile NW |
| AB204 | CAEDF0000084484 | 1/4 - 1/2 Mile WNW |
| AI205 | CAEDF0000022039 | 1/4 - 1/2 Mile WNW |
| AI207 | CAEDF0000074431 | 1/4 - 1/2 Mile WNW |
| AI208 | CAEDF0000066422 | 1/4 - 1/2 Mile WNW |
| AI209 | CAEDF0000010889 | 1/4 - 1/2 Mile WNW |
| AI210 | CAEDF0000115141 | 1/4 - 1/2 Mile WNW |
| AI211 | CAEDF0000102255 | 1/4 - 1/2 Mile WNW |
| AI212 | CAEDF0000070546 | 1/4 - 1/2 Mile WNW |
| AI213 | CAEDF0000048129 | 1/4 - 1/2 Mile WNW |
| AI214 | CAEDF0000034154 | 1/4 - 1/2 Mile WNW |
| AG215 | CAUSGSN00000895 | 1/4 - 1/2 Mile North |
| AJ216 | CAUSGSN00017523 | 1/4 - 1/2 Mile NNE |
| AI217 | CAEDF0000048292 | 1/4 - 1/2 Mile WNW |
| AI218 | CAEDF0000130675 | 1/4 - 1/2 Mile WNW |
| AK221 | CAEDF0000034214 | 1/4 - 1/2 Mile NNE |
| AI222 | CAEDF0000114482 | 1/2 - 1 Mile WNW |
| AI223 | CAEDF0000089203 | 1/2 - 1 Mile WNW |
| AI224 | CAEDF0000114186 | 1/2 - 1 Mile WNW |
| AM226 | CAUSGSN00005219 | 1/2 - 1 Mile NW |
| AN227 | CAEDF0000112384 | 1/2 - 1 Mile West |
| AN228 | CAEDF0000064756 | 1/2 - 1 Mile West |
| AI229 | CAEDF0000003974 | 1/2 - 1 Mile WNW |
| AL233 | CAUSGSN00017494 | 1/2 - 1 Mile WSW |
| AN234 | CAEDF0000055524 | 1/2 - 1 Mile West |
| AP235 | CADWR0000017572 | 1/2 - 1 Mile ENE |
| AK236 | CAEDF0000011784 | 1/2 - 1 Mile NNE |
| AO237 | CAEDF0000016021 | 1/2 - 1 Mile North |
| 238 | CADWR0000035477 | 1/2 - 1 Mile South |
| AI239 | CAEDF0000143309 | 1/2 - 1 Mile West |
| AI240 | CAEDF0000093671 | 1/2 - 1 Mile West |
| AN241 | CAEDF0000061816 | 1/2 - 1 Mile West |
| AI242 | CAEDF0000075864 | 1/2 - 1 Mile WNW |
| AJ243 | CADWR0000027879 | 1/2 - 1 Mile NNE |
| AJ244 | CADWR0000014081 | 1/2 - 1 Mile NNE |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| AJ245 | CADWR0000010353 | 1/2 - 1 Mile NNE |
| AJ246 | CADWR0000007610 | 1/2 - 1 Mile NNE |
| AK247 | CAEDF0000094363 | 1/2 - 1 Mile North |
| AO248 | CAEDF0000086648 | 1/2 - 1 Mile North |
| AK249 | CAEDF0000057690 | 1/2 - 1 Mile North |
| AO250 | CAEDF0000124789 | 1/2 - 1 Mile North |
| AI251 | CAEDF0000098515 | 1/2 - 1 Mile WNW |
| AI252 | 6361 | 1/2 - 1 Mile WNW |
| AI253 | 6362 | 1/2 - 1 Mile WNW |
| AO254 | CAEDF0000014599 | 1/2 - 1 Mile North |
| AK255 | CAUSGSN00015713 | 1/2 - 1 Mile NNE |
| AK256 | CAEDF0000015069 | 1/2 - 1 Mile NNE |
| AQ257 | CADWR8000005140 | 1/2 - 1 Mile NE |
| AM258 | CAUSGSN00006033 | 1/2 - 1 Mile NW |
| AO260 | CAEDF0000112123 | 1/2 - 1 Mile North |
| AO262 | CAEDF0000032537 | 1/2 - 1 Mile North |
| AO263 | CAEDF0000116314 | 1/2 - 1 Mile North |
| AL264 | CADWR0000016088 | 1/2 - 1 Mile WSW |
| AO265 | CAEDF0000136089 | 1/2 - 1 Mile North |
| AK266 | CAEDF0000038027 | 1/2 - 1 Mile NNE |
| AO267 | CAEDF0000091609 | 1/2 - 1 Mile North |
| AH268 | CADWR0000037657 | 1/2 - 1 Mile NNW |
| AH269 | CADWR0000007065 | 1/2 - 1 Mile NNW |
| AH270 | CADWR0000034306 | 1/2 - 1 Mile NNW |
| AH271 | CADWR0000019530 | 1/2 - 1 Mile NNW |
| AO272 | CAEDF0000119767 | 1/2 - 1 Mile North |
| AK273 | CAEDF0000046875 | 1/2 - 1 Mile NNE |
| AO274 | CAEDF0000141544 | 1/2 - 1 Mile North |
| AK275 | CAEDF0000108799 | 1/2 - 1 Mile North |
| AM276 | CAUSGSN00002921 | 1/2 - 1 Mile NW |
| AO277 | CAEDF0000048071 | 1/2 - 1 Mile North |
| AO278 | CAEDF0000066264 | 1/2 - 1 Mile North |
| 280 | CADWR0000017535 | 1/2 - 1 Mile SSE |
| AQ281 | CAUSGSN00007675 | 1/2 - 1 Mile NE |
| AK282 | CAEDF0000094117 | 1/2 - 1 Mile NNE |
| AO284 | CAEDF0000055888 | 1/2 - 1 Mile North |
| AO285 | CAEDF0000013692 | 1/2 - 1 Mile North |
| AO286 | CAEDF0000104381 | 1/2 - 1 Mile North |
| AO287 | CAEDF0000054042 | 1/2 - 1 Mile North |
| AO288 | CAEDF0000143868 | 1/2 - 1 Mile North |
| AQ289 | 6340 | 1/2 - 1 Mile NE |
| AO290 | CAEDF0000087833 | 1/2 - 1 Mile North |
| AN291 | CADWR0000030251 | 1/2 - 1 Mile West |
| AN292 | CADWR0000036801 | 1/2 - 1 Mile West |
| AN293 | CADWR0000029357 | 1/2 - 1 Mile West |
| AN294 | CADWR0000011526 | 1/2 - 1 Mile West |
| AN295 | CADWR0000020807 | 1/2 - 1 Mile West |
| AN296 | CADWR0000017476 | 1/2 - 1 Mile West |
| AN297 | CADWR0000003044 | 1/2 - 1 Mile West |
| AM298 | CAUSGSN00002962 | 1/2 - 1 Mile NW |
| AO299 | CAEDF0000061298 | 1/2 - 1 Mile North |
| AO300 | CAEDF0000041288 | 1/2 - 1 Mile North |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| AO302 | CAEDF0000032757 | 1/2 - 1 Mile North |
| AO303 | CAEDF0000059068 | 1/2 - 1 Mile North |
| AO305 | CAEDF0000109691 | 1/2 - 1 Mile North |
| AP306 | CAUSGSN00016816 | 1/2 - 1 Mile ENE |
| AO307 | CAEDF0000010890 | 1/2 - 1 Mile North |
| AO308 | CAEDF0000141076 | 1/2 - 1 Mile North |
| AR309 | CADWR0000037869 | 1/2 - 1 Mile SSW |
| AR310 | CADWR0000000839 | 1/2 - 1 Mile SSW |
| 311 | CAEDF0000098646 | 1/2 - 1 Mile North |
| AS312 | CAUSGSN00014862 | 1/2 - 1 Mile WSW |
| AS313 | CAUSGSN00002319 | 1/2 - 1 Mile WSW |
| AS314 | CAUSGSN00004196 | 1/2 - 1 Mile WSW |
| AS315 | CAUSGSN00008922 | 1/2 - 1 Mile WSW |
| AT320 | CADDW0000014286 | 1/2 - 1 Mile NE |
| AU321 | CADWR0000035496 | 1/2 - 1 Mile WNW |
| AU322 | CADWR0000035474 | 1/2 - 1 Mile WNW |
| AU323 | CADWR0000020290 | 1/2 - 1 Mile WNW |
| AU324 | CADWR0000020019 | 1/2 - 1 Mile WNW |
| AU325 | CADWR0000036585 | 1/2 - 1 Mile WNW |
| AU326 | CADWR0000036223 | 1/2 - 1 Mile WNW |
| AU327 | CADWR0000010539 | 1/2 - 1 Mile WNW |
| AU328 | CADWR0000028221 | 1/2 - 1 Mile WNW |
| AU329 | CADWR0000028167 | 1/2 - 1 Mile WNW |
| AU330 | CADWR0000006865 | 1/2 - 1 Mile WNW |
| AU331 | CADWR0000018468 | 1/2 - 1 Mile WNW |
| AU332 | CADWR0000011902 | 1/2 - 1 Mile WNW |
| AU333 | CADWR0000017253 | 1/2 - 1 Mile WNW |
| AV334 | CAUSGSN00002362 | 1/2 - 1 Mile NNW |
| AW336 | CAUSGSN00019291 | 1/2 - 1 Mile WSW |
| AW337 | CAUSGSN00004194 | 1/2 - 1 Mile WSW |
| AT341 | CAUSGSN00000559 | 1/2 - 1 Mile ENE |
| AX344 | CAUSGSN00012089 | 1/2 - 1 Mile NE |
| AV345 | CAUSGSN00001810 | 1/2 - 1 Mile NNW |
| AY346 | CAUSGSN00019463 | 1/2 - 1 Mile NNW |
| 349 | CADWR0000018442 | 1/2 - 1 Mile SE |
| AX350 | CAUSGSN00001506 | 1/2 - 1 Mile NE |
| AZ352 | CADWR0000037429 | 1/2 - 1 Mile East |
| AZ353 | CADWR0000012363 | 1/2 - 1 Mile East |
| AX355 | CAUSGSN00007542 | 1/2 - 1 Mile NE |
| 356 | CADWR0000032655 | 1/2 - 1 Mile ENE |
| BA358 | CAUSGSN00006620 | 1/2 - 1 Mile NE |
| BB359 | CADWR0000018753 | 1/2 - 1 Mile NW |
| BB360 | CADWR0000018633 | 1/2 - 1 Mile NW |
| BB361 | CADWR0000036627 | 1/2 - 1 Mile NW |
| BB362 | CADWR0000024290 | 1/2 - 1 Mile NW |
| BB363 | CADWR0000033344 | 1/2 - 1 Mile NW |
| BB364 | CADWR0000011578 | 1/2 - 1 Mile NW |
| BB365 | CADWR0000031849 | 1/2 - 1 Mile NW |
| BB366 | CADWR0000006290 | 1/2 - 1 Mile NW |
| BC367 | CADWR0000024599 | 1/2 - 1 Mile ESE |
| BC368 | CADWR0000028009 | 1/2 - 1 Mile ESE |
| BD369 | CAUSGSN00004747 | 1/2 - 1 Mile West |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| BE372 | CAUSGSN00018681 | 1/2 - 1 Mile ENE |
| BD373 | CADWR0000004199 | 1/2 - 1 Mile West |
| BD374 | CADWR0000001541 | 1/2 - 1 Mile West |
| BD375 | CADWR0000031552 | 1/2 - 1 Mile West |
| BD376 | CADWR0000014797 | 1/2 - 1 Mile West |
| BD377 | CADWR0000021014 | 1/2 - 1 Mile West |
| BF378 | CADDW0000014658 | 1/2 - 1 Mile North |
| BF379 | 6339 | 1/2 - 1 Mile North |
| BG380 | CADWR0000002261 | 1/2 - 1 Mile NE |
| BG381 | CADWR0000028211 | 1/2 - 1 Mile NE |
| BG382 | CADWR0000004583 | 1/2 - 1 Mile NE |
| BH383 | CADWR0000019765 | 1/2 - 1 Mile WSW |
| BH384 | CADWR0000031864 | 1/2 - 1 Mile WSW |
| BH385 | CAUSGSN00005552 | 1/2 - 1 Mile WSW |
| BH386 | CAUSGSN00001865 | 1/2 - 1 Mile WSW |
| BJ389 | CADWR0000008298 | 1/2 - 1 Mile NNE |
| BJ390 | CADWR0000028245 | 1/2 - 1 Mile NNE |
| BJ391 | CADWR0000015872 | 1/2 - 1 Mile NNE |
| BE392 | CADWR8000005137 | 1/2 - 1 Mile ENE |
| BE393 | CADWR0000030312 | 1/2 - 1 Mile ENE |
| BK394 | CAUSGSN00013941 | 1/2 - 1 Mile West |
| BK395 | CAUSGSN00019113 | 1/2 - 1 Mile West |
| BK396 | CAUSGSN00005937 | 1/2 - 1 Mile West |
| BK397 | CAUSGSN00001092 | 1/2 - 1 Mile West |
| BL402 | CAUSGSN00006434 | 1/2 - 1 Mile WNW |
| BM404 | CADWR8000005135 | 1/2 - 1 Mile ENE |
| BN405 | CADWR0000010679 | 1/2 - 1 Mile NW |
| BN406 | CADWR0000006258 | 1/2 - 1 Mile NW |
| BN407 | CADWR0000006628 | 1/2 - 1 Mile NW |
| BN408 | CADWR0000028244 | 1/2 - 1 Mile NW |
| BL409 | CAUSGSN00009503 | 1/2 - 1 Mile WNW |
| BL410 | CAUSGSN00016439 | 1/2 - 1 Mile WNW |
| BL411 | CAUSGSN00011170 | 1/2 - 1 Mile WNW |
| BL412 | CAUSGSN00000863 | 1/2 - 1 Mile WNW |
| BM414 | CAUSGSN00018096 | 1/2 - 1 Mile ENE |
| BO419 | CAUSGSN00007012 | 1/2 - 1 Mile NE |
| BO420 | CAUSGSN00018773 | 1/2 - 1 Mile NE |
| BO421 | CAUSGSN00009038 | 1/2 - 1 Mile NE |
| BM425 | CADWR0000011687 | 1/2 - 1 Mile ENE |
| BP426 | CAUSGSN00003576 | 1/2 - 1 Mile ENE |
| BQ428 | CADWR0000001874 | 1/2 - 1 Mile North |
| BQ429 | CADWR0000030967 | 1/2 - 1 Mile North |
| BR430 | CAUSGSN00002775 | 1/2 - 1 Mile WNW |
| BR431 | CAUSGSN00016391 | 1/2 - 1 Mile WNW |
| BR432 | CAUSGSN00012601 | 1/2 - 1 Mile WNW |
| 436 | CAEDF0000054414 | 1/2 - 1 Mile East |
| BS437 | CAUSGSN00010095 | 1/2 - 1 Mile NW |
| BQ439 | CAEDF0000104804 | 1/2 - 1 Mile North |
| BT440 | CADWR0000037010 | 1/2 - 1 Mile East |
| BT441 | CADWR0000011477 | 1/2 - 1 Mile East |
| BT442 | CADWR0000029372 | 1/2 - 1 Mile East |
| BQ443 | CAEDF0000079267 | 1/2 - 1 Mile North |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| BQ444 | CAEDF0000024238 | 1/2 - 1 Mile North |
| BQ445 | CAEDF0000052724 | 1/2 - 1 Mile North |
| BT446 | CAEDF0000066397 | 1/2 - 1 Mile East |
| 447 | CAEDF0000074595 | 1/2 - 1 Mile East |

**OTHER STATE DATABASE INFORMATION**

**STATE OIL/GAS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | CAOG14000216091 | 0 - 1/8 Mile NNW |
| 2 | CAOG14000216031 | 1/8 - 1/4 Mile WSW |
| A3 | CAOG14000216036 | 1/8 - 1/4 Mile North |
| 4 | CAOG14000006251 | 1/8 - 1/4 Mile NE |
| 5 | CAOG14000006020 | 1/8 - 1/4 Mile SSE |
| B7 | CAOG14000216101 | 1/8 - 1/4 Mile West |
| B6 | CAOG14000216004 | 1/8 - 1/4 Mile West |
| 8 | CAOG14000216098 | 1/8 - 1/4 Mile SW |
| B9 | CAOG14000216024 | 1/8 - 1/4 Mile WNW |
| B10 | CAOG14000216107 | 1/8 - 1/4 Mile West |
| C11 | CAOG14000216032 | 1/8 - 1/4 Mile West |
| D12 | CAOG14000216025 | 1/8 - 1/4 Mile NW |
| 13 | CAOG14000006167 | 1/4 - 1/2 Mile SE |
| D14 | CAOG14000216037 | 1/4 - 1/2 Mile NW |
| B15 | CAOG14000216026 | 1/4 - 1/2 Mile West |
| D16 | CAOG14000216106 | 1/4 - 1/2 Mile WNW |
| D17 | CAOG14000216100 | 1/4 - 1/2 Mile WNW |
| C18 | CAOG14000216006 | 1/4 - 1/2 Mile WSW |
| D19 | CAOG14000216038 | 1/4 - 1/2 Mile NW |
| C20 | CAOG14000216027 | 1/4 - 1/2 Mile West |
| E21 | CAOG14000216054 | 1/4 - 1/2 Mile West |
| 22 | CAOG14000006127 | 1/4 - 1/2 Mile ENE |
| F23 | CAOG14000216005 | 1/4 - 1/2 Mile WSW |
| F24 | CAOG14000216112 | 1/4 - 1/2 Mile WSW |
| G25 | CAOG14000216105 | 1/4 - 1/2 Mile WNW |
| H26 | CAOG14000216019 | 1/4 - 1/2 Mile NW |
| E27 | CAOG14000216029 | 1/4 - 1/2 Mile WNW |
| E28 | CAOG14000216109 | 1/4 - 1/2 Mile West |
| H29 | CAOG14000216075 | 1/4 - 1/2 Mile NW |
| 30 | CAOG14000006077 | 1/4 - 1/2 Mile NE |
| I31 | CAOG14000216009 | 1/4 - 1/2 Mile NW |
| G32 | CAOG14000216030 | 1/4 - 1/2 Mile WNW |
| 33 | CAOG14000099051 | 1/4 - 1/2 Mile South |
| F34 | CAOG14000216096 | 1/4 - 1/2 Mile WSW |
| F35 | CAOG14000216104 | 1/4 - 1/2 Mile WSW |
| J36 | CAOG14000216035 | 1/4 - 1/2 Mile West |
| G37 | CAOG14000215998 | 1/4 - 1/2 Mile WNW |
| H38 | CAOG14000216076 | 1/4 - 1/2 Mile WNW |
| I39 | CAOG14000215996 | 1/4 - 1/2 Mile NW |
| K40 | CAOG14000216099 | 1/4 - 1/2 Mile WSW |
| J41 | CAOG14000216034 | 1/4 - 1/2 Mile West |
| L42 | CAOG14000216110 | 1/4 - 1/2 Mile WNW |
| H43 | CAOG14000216111 | 1/4 - 1/2 Mile WNW |

**STATE OIL/GAS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| M44 | CAOG14000216089 | 1/4 - 1/2 Mile WNW |
| L45 | CAOG14000216103 | 1/4 - 1/2 Mile NW |
| I46 | CAOG14000216028 | 1/4 - 1/2 Mile NW |
| 47 | CAOG14000101013 | 1/4 - 1/2 Mile SSW |
| K48 | CAOG14000216108 | 1/4 - 1/2 Mile WSW |
| L49 | CAOG14000216102 | 1/4 - 1/2 Mile NW |
| N50 | CAOG14000216018 | 1/4 - 1/2 Mile NW |
| L51 | CAOG14000215997 | 1/4 - 1/2 Mile WNW |
| M52 | CAOG14000216085 | 1/4 - 1/2 Mile WNW |
| L53 | CAOG14000216090 | 1/4 - 1/2 Mile WNW |
| 54 | CAOG14000216042 | 1/4 - 1/2 Mile NNW |
| O55 | CAOG14000101015 | 1/4 - 1/2 Mile SW |
| N56 | CAOG14000216017 | 1/2 - 1 Mile NW |
| N57 | CAOG14000216086 | 1/2 - 1 Mile NW |
| M58 | CAOG14000216080 | 1/2 - 1 Mile WNW |
| P59 | CAOG14000216087 | 1/2 - 1 Mile WNW |
| 60 | CAOG14000101012 | 1/2 - 1 Mile SSW |
| N61 | CAOG14000216045 | 1/2 - 1 Mile NW |
| P62 | CAOG14000215995 | 1/2 - 1 Mile WNW |
| Q63 | CAOG14000216046 | 1/2 - 1 Mile NW |
| P64 | CAOG14000215999 | 1/2 - 1 Mile NW |
| O65 | CAOG14000097646 | 1/2 - 1 Mile SW |
| P66 | CAOG14000216088 | 1/2 - 1 Mile NW |
| P67 | CAOG14000216081 | 1/2 - 1 Mile WNW |
| R68 | CAOG14000101016 | 1/2 - 1 Mile SW |
| 69 | CAOG14000101014 | 1/2 - 1 Mile SSW |
| 70 | CAOG14000101009 | 1/2 - 1 Mile South |
| R71 | CAOG14000101017 | 1/2 - 1 Mile SW |
| Q72 | CAOG14000216007 | 1/2 - 1 Mile NW |
| S73 | CAOG14000006170 | 1/2 - 1 Mile NE |
| Q74 | CAOG14000216055 | 1/2 - 1 Mile NW |
| T75 | CAOG14000216083 | 1/2 - 1 Mile WNW |
| T76 | CAOG14000216062 | 1/2 - 1 Mile NW |
| U77 | CAOG14000216008 | 1/2 - 1 Mile NW |
| 78 | CAOG14000101018 | 1/2 - 1 Mile WSW |
| V79 | CAOG14000100955 | 1/2 - 1 Mile South |
| S80 | CAOG14000006168 | 1/2 - 1 Mile NE |
| W81 | CAOG14000100686 | 1/2 - 1 Mile WSW |
| U82 | CAOG14000216063 | 1/2 - 1 Mile NW |
| T83 | CAOG14000216069 | 1/2 - 1 Mile NW |
| U84 | CAOG14000216014 | 1/2 - 1 Mile NW |
| U85 | CAOG14000216013 | 1/2 - 1 Mile NW |
| U86 | CAOG14000216016 | 1/2 - 1 Mile NW |
| U87 | CAOG14000216012 | 1/2 - 1 Mile NW |
| X88 | CAOG14000101010 | 1/2 - 1 Mile SSW |
| U89 | CAOG14000216015 | 1/2 - 1 Mile NW |
| U90 | CAOG14000216011 | 1/2 - 1 Mile NW |
| U91 | CAOG14000216010 | 1/2 - 1 Mile NW |
| W92 | CAOG14000101020 | 1/2 - 1 Mile WSW |
| W93 | CAOG14000100685 | 1/2 - 1 Mile WSW |
| W94 | CAOG14000101019 | 1/2 - 1 Mile WSW |
| W95 | CAOG14000098875 | 1/2 - 1 Mile WSW |
| U96 | CAOG14000216056 | 1/2 - 1 Mile NW |
| X97 | CAOG14000101011 | 1/2 - 1 Mile SSW |
| U98 | CAOG14000216064 | 1/2 - 1 Mile NW |
| U99 | CAOG14000216057 | 1/2 - 1 Mile NW |

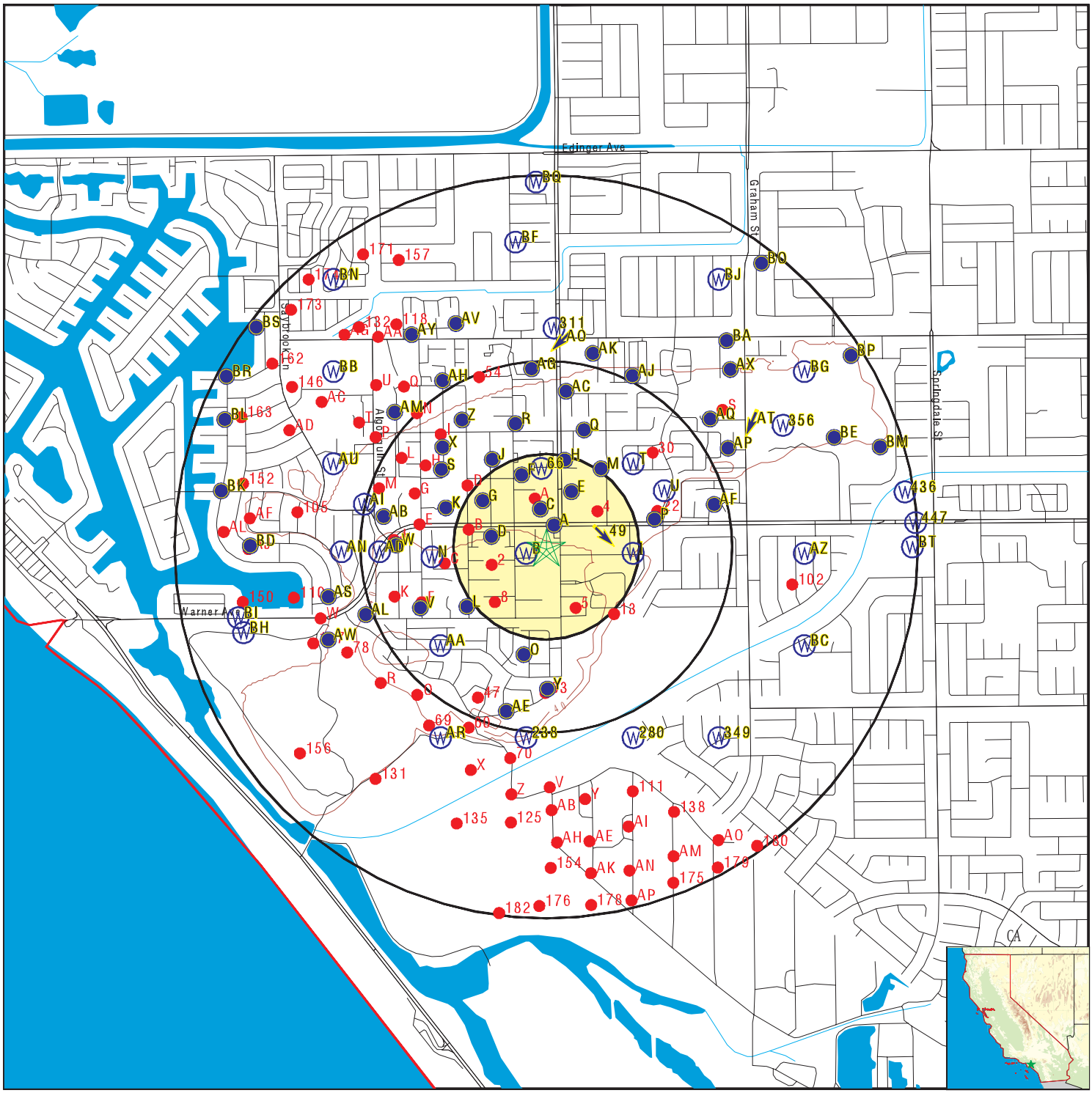
**STATE OIL/GAS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| Y100 | CAOG14000100946 | 1/2 - 1 Mile South |
| Z101 | CAOG14000101008 | 1/2 - 1 Mile South |
| 102 | CAOG14000098691 | 1/2 - 1 Mile East |
| U103 | CAOG14000216065 | 1/2 - 1 Mile NW |
| W104 | CAOG14000100106 | 1/2 - 1 Mile WSW |
| 105 | CAOG14000216082 | 1/2 - 1 Mile West |
| Z106 | CAOG14000101007 | 1/2 - 1 Mile South |
| 107 | CAOG14000100107 | 1/2 - 1 Mile WSW |
| AA108 | CAOG14000216058 | 1/2 - 1 Mile NW |
| V109 | CAOG14000100953 | 1/2 - 1 Mile South |
| 110 | CAOG14000098874 | 1/2 - 1 Mile WSW |
| 111 | CAOG14000100939 | 1/2 - 1 Mile SSE |
| AB112 | CAOG14000100954 | 1/2 - 1 Mile South |
| AC113 | CAOG14000216071 | 1/2 - 1 Mile WNW |
| AB114 | CAOG14000100952 | 1/2 - 1 Mile South |
| Y115 | CAOG14000100947 | 1/2 - 1 Mile South |
| AA116 | CAOG14000216059 | 1/2 - 1 Mile NW |
| AC117 | CAOG14000216068 | 1/2 - 1 Mile NW |
| 118 | CAOG14000216094 | 1/2 - 1 Mile NW |
| AB119 | CAOG14000097637 | 1/2 - 1 Mile South |
| AA120 | CAOG14000216093 | 1/2 - 1 Mile NW |
| AA121 | CAOG14000216066 | 1/2 - 1 Mile NW |
| AA122 | CAOG14000216092 | 1/2 - 1 Mile NW |
| AC123 | CAOG14000216070 | 1/2 - 1 Mile WNW |
| AD124 | CAOG14000216079 | 1/2 - 1 Mile WNW |
| 125 | CAOG14000101006 | 1/2 - 1 Mile South |
| AA126 | CAOG14000216023 | 1/2 - 1 Mile NW |
| AE127 | CAOG14000100944 | 1/2 - 1 Mile South |
| AD128 | CAOG14000216060 | 1/2 - 1 Mile WNW |
| AF129 | CAOG14000216072 | 1/2 - 1 Mile West |
| AG130 | CAOG14000216067 | 1/2 - 1 Mile NW |
| 131 | CAOG14000100116 | 1/2 - 1 Mile SW |
| 132 | CAOG14000216020 | 1/2 - 1 Mile NW |
| AH133 | CAOG14000100950 | 1/2 - 1 Mile South |
| AI134 | CAOG14000100938 | 1/2 - 1 Mile SSE |
| 135 | CAOG14000101087 | 1/2 - 1 Mile SSW |
| AH136 | CAOG14000100951 | 1/2 - 1 Mile South |
| AI137 | CAOG14000100937 | 1/2 - 1 Mile SSE |
| 138 | CAOG14000101004 | 1/2 - 1 Mile SSE |
| AG139 | CAOG14000216022 | 1/2 - 1 Mile NW |
| AG140 | CAOG14000216021 | 1/2 - 1 Mile NW |
| AE141 | CAOG14000100945 | 1/2 - 1 Mile South |
| AJ142 | CAOG14000216084 | 1/2 - 1 Mile West |
| AH143 | CAOG14000100949 | 1/2 - 1 Mile South |
| AF144 | CAOG14000216077 | 1/2 - 1 Mile West |
| AJ145 | CAOG14000216078 | 1/2 - 1 Mile West |
| 146 | CAOG14000216061 | 1/2 - 1 Mile WNW |
| AE147 | CAOG14000097648 | 1/2 - 1 Mile South |
| AH148 | CAOG14000097688 | 1/2 - 1 Mile South |
| AE149 | CAOG14000100936 | 1/2 - 1 Mile SSE |
| 150 | CAOG14000098873 | 1/2 - 1 Mile West |
| AF151 | CAOG14000216074 | 1/2 - 1 Mile West |
| 152 | CAOG14000216073 | 1/2 - 1 Mile WNW |
| AK153 | CAOG14000100942 | 1/2 - 1 Mile South |
| 154 | CAOG14000100948 | 1/2 - 1 Mile South |
| AL155 | CAOG14000216044 | 1/2 - 1 Mile West |

**STATE OIL/GAS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 156 | CAOG14000100121 | 1/2 - 1 Mile SW |
| 157 | CAOG14000216041 | 1/2 - 1 Mile NNW |
| AL158 | CAOG14000216043 | 1/2 - 1 Mile West |
| AK159 | CAOG14000100943 | 1/2 - 1 Mile South |
| AM160 | CAOG14000101002 | 1/2 - 1 Mile SSE |
| AN161 | CAOG14000100933 | 1/2 - 1 Mile SSE |
| 162 | CAOG14000216053 | 1/2 - 1 Mile NW |
| 163 | CAOG14000216003 | 1/2 - 1 Mile WNW |
| AO164 | CAOG14000100995 | 1/2 - 1 Mile SSE |
| AN165 | CAOG14000100934 | 1/2 - 1 Mile SSE |
| AN166 | CAOG14000097808 | 1/2 - 1 Mile SSE |
| AN167 | CAOG14000100935 | 1/2 - 1 Mile SSE |
| AN168 | CAOG14000097647 | 1/2 - 1 Mile SSE |
| AM169 | CAOG14000101003 | 1/2 - 1 Mile SSE |
| AK170 | CAOG14000100941 | 1/2 - 1 Mile South |
| 171 | CAOG14000216033 | 1/2 - 1 Mile NNW |
| AO172 | CAOG14000100994 | 1/2 - 1 Mile SSE |
| 173 | CAOG14000216039 | 1/2 - 1 Mile NW |
| 174 | CAOG14000216000 | 1/2 - 1 Mile NW |
| 175 | CAOG14000101000 | 1/2 - 1 Mile SSE |
| 176 | CAOG14000101079 | 1/2 - 1 Mile South |
| AP177 | CAOG14000100931 | 1/2 - 1 Mile SSE |
| 178 | CAOG14000100940 | 1/2 - 1 Mile South |
| 179 | CAOG14000100993 | 1/2 - 1 Mile SSE |
| 180 | CAOG14000100985 | 1/2 - 1 Mile SE |
| AP181 | CAOG14000100932 | 1/2 - 1 Mile SSE |
| 182 | CAOG14000101084 | 1/2 - 1 Mile South |

# PHYSICAL SETTING SOURCE MAP - 6404402.2s




County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

| | | | |
|---|---|---|---|
| SITE NAME: | Proposed Senior Living Development - HB | CLIENT: | Terracon |
| ADDRESS: | 4952 and 4972 Warner Avenue<br>Huntington Beach CA 92649 | CONTACT: | Meg Haile |
| | | INQUIRY #: | 6404402.2s |
| LAT/LONG: | 33.714457 / 118.042063 | DATE: | March 15, 2021 11:05 am |

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| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A1**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000140037** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-2 | | |

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| | | |
|---|---|---|
| **A2**<br>**NE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000139845** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-3 | | |

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| | | |
|---|---|---|
| **A3**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000080445** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-6 | | |

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| | | |
|---|---|---|
| **A4**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000081514** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-4 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A5**<br>**NE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000112108** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-1 | | |

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| | | |
|---|---|---|
| **A6**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000113901** |

| | | | |
|---|---|---|---|
| Well ID: | T0605940455-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605940455&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605940455&assigned_name=MW-5 | | |

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| | | |
|---|---|---|
| **A7**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000087138** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW14 | | |

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| | | |
|---|---|---|
| **A8**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000053696** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW8 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | | Database | EDR ID Number |
|---|---|---|---|---|
| **A9**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083000262T<br>SE, SW<br>34.20<br>40.58<br>Not Reported<br>01/27/1999 | **AQUIFLOW** | **54834** |
| **A10**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083000262T<br>SE, SW<br>34.20<br>40.58<br>Not Reported<br>01/27/1999 | **AQUIFLOW** | **54835** |

**B11**
**WSW**
**0 - 1/8 Mile**
**Higher**

**CA WELLS** **CADWR0000015911**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28D005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28D005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28D005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

**B12**
**WSW**
**0 - 1/8 Mile**
**Higher**

**CA WELLS** **CADWR0000019596**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28D006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28D006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28D006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

**B13**
**WSW**
**0 - 1/8 Mile**
**Higher**

**CA WELLS** **CADWR0000024224**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28D004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28D004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28D004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A14**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000084633** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW19A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW19A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW19A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW19A | | |

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| | | |
|---|---|---|
| **A15**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000062799** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW19B | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW19B |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW19B&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW19B | | |

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| | | | | |
|---|---|---|---|---|
| **A16**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID: | 083000610T | **AQUIFLOW** | **38655** |
| | Groundwater Flow: | SE | | |
| | Shallow Water Depth: | 36 | | |
| | Deep Water Depth: | 51 | | |
| | Average Water Depth: | Not Reported | | |
| | Date: | 07/15/1996 | | |

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| | | |
|---|---|---|
| **A17**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000120310** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW18A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW18A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW18A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW18A | | |

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| | | |
|---|---|---|
| **A18**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000058678** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW18B | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW18B |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW18B&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW18B

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**A19**
**North** **CA WELLS** **CAEDF0000042213**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW12 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW12&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW12

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**A20**
**North** **CA WELLS** **CAEDF0000018135**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW2 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW2

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**A21**
**NNE** **CA WELLS** **CAEDF0000081513**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW3 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW3

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**A22**
**NNE** **CA WELLS** **CAEDF0000129495**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW13 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW13&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW13

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**A23**
**NNE** **CA WELLS** **CAEDF0000113374**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW5 | | |

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**A24**
**North** **CA WELLS** **CAEDF0000141318**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW10 | | |

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**A25**
**North** **CA WELLS** **CAEDF0000063787**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW11 | | |

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**A26**
**North** **CA WELLS** **CAEDF0000074136**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW6 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **A27**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000011312** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW1 | | |

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| | | |
|---|---|---|
| **A28**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000024235** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-RW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | RW4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=RW4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=RW4 | | |

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| | | |
|---|---|---|
| **C29**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016311** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334257118022901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334257118022901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334257118022901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **C30**<br>**NW**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00000892** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334256118023201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334256118023201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334256118023201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **C31**<br>**North**<br>**0 - 1/8 Mile**<br>**Lower** | **FED USGS** | **USGS40000137282** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **C32**<br>**NW**<br>**0 - 1/8 Mile**<br>**Lower** | **FED USGS** | **USGS40000137275** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **A33**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000013626** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW9 | | |

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| | | |
|---|---|---|
| **A34**<br>**NNE**<br>**0 - 1/8 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000082767** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW15 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW15

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**C35**
**North** **CA WELLS** **CAEDF0000088441**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW16B | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW16B |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW16B&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW16B

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**C36**
**North** **CA WELLS** **CAEDF0000014473**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW16A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW16A |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW16A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW16A

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**C37**
**NNE** **CA WELLS** **CAEDF0000110334**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW17A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW17A |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW17A&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW17A

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**C38**
**NNE** **CA WELLS** **CAEDF0000140553**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605900203-MW17B | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW17B |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900203&assigned_name=MW17B&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900203&assigned_name=MW17B

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**C39**
**NNW** **CA WELLS** **CAUSGSN00010116**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334257118023201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334257118023201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334257118023201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**C40**
**NNW** **FED USGS** **USGS40000137283**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**C41**
**NNE** **CA WELLS** **CAEDF0000037015**
**0 - 1/8 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-6 | | |

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**D42**
**WNW** **CA WELLS** **CAUSGSN00019308**
**1/8 - 1/4 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334254118023601 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334254118023601 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334254118023601&store_num= | | |

GeoTracker Data: Not Reported

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**D43**
**WNW**
**1/8 - 1/4 Mile**
**Higher**

**FED USGS** **USGS40000137264**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29A008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**C44**
**North**
**1/8 - 1/4 Mile**
**Lower**

**CA WELLS** **CAUSGSN00012768**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334259118023001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334259118023001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334259118023001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**C45**
**NNW**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40000137298**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19520101 | Well Depth: | 135 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 18 | Level reading date: | 1986-08-19 |
| Feet below surface: | 43.60 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---|---|---|---|
| Level reading date: | 1986-05-01 | Feet below surface: | 39.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1986-02-26 | Feet below surface: | 41.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-11-04 | Feet below surface: | 46.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-08-17 | Feet below surface: | 45.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-02-28 | Feet below surface: | 35.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-11-01 | Feet below surface: | 44.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-05-15 | Feet below surface: | 37.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-02-08 | Feet below surface: | 33.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-11-02 | Feet below surface: | 41.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-08-11 | Feet below surface: | 43.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-05-16 | Feet below surface: | 37.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-02-10 | Feet below surface: | 39.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-11-04 | Feet below surface: | 43.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-07-28 | Feet below surface: | 42.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-04-28 | Feet below surface: | 36.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-30 | Feet below surface: | 37.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-15 | Feet below surface: | 38.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**E46**
**NE**
**1/8 - 1/4 Mile**
**Lower**

**CA WELLS** **CAUSGSN00004687**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334258118022301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334258118022301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334258118022301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | Database | EDR ID Number |
|---|---|---|---|
| **E47**<br>**NE**<br>**1/8 - 1/4 Mile**<br>**Lower** | | **FED USGS** | **USGS40000137295** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | | |
|---|---|---|---|
| **E48**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | | **CA WELLS** | **CADWR0000022364** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | | | |
|---|---|---|---|---|
| **49**<br>**East**<br>**1/8 - 1/4 Mile**<br>**Lower** | Site ID: | 083001529T | **AQUIFLOW** | **55036** |
| | Groundwater Flow: | SE | | |
| | Shallow Water Depth: | 31.28 | | |
| | Deep Water Depth: | 35.72 | | |
| | Average Water Depth: | Not Reported | | |
| | Date: | 10/07/1993 | | |

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| | | | |
|---|---|---|---|
| **F50**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | | **CA WELLS** | **CAUSGSN00009448** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118023301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118023301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118023301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **D51**<br>**West**<br>**1/8 - 1/4 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00018094** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334253118023901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334253118023901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334253118023901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F52**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **FED USGS** | **USGS40000137306** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **D53**<br>**West**<br>**1/8 - 1/4 Mile**<br>**Higher** | **FED USGS** | **USGS40000137259** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29A007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **F54**<br>**NW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR8000005123** |

| | | | |
|---|---|---|---|
| State Well #: | 05S11W20R004S | Station ID: | 9425 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |

Basin Name: Coastal Plain Of Orange County
Well Completion Rpt #: Not Reported

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**E55**
**NNE** **CA WELLS** **CAUSGSN00000906**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334301118022501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334301118022501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334301118022501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**E56**
**NNE** **FED USGS** **USGS40000137316**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**F57**
**North** **CA WELLS** **CAUSGSN00013376**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334302118023001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334302118023001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334302118023001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**F58**
**NW** **CA WELLS** **CAUSGSN00015701**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118023601 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118023601 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118023601&store_num= | | |

GeoTracker Data: Not Reported

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**F59**
**North**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40000137326**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R009S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**F60**
**NW**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40000137307**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R014S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**G61**
**NW**
**1/8 - 1/4 Mile**
**Lower**

**CA WELLS** **CAUSGSN00013976**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334259118023801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334259118023801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334259118023801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **E62**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00014521** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334302118022401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334302118022401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334302118022401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **H63**<br>**NNE**<br>**1/8 - 1/4 Mile**<br>**Lower** | **FED USGS** | **USGS40000137325** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **G64**<br>**NW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **FED USGS** | **USGS40000137299** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R016S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **H65**<br>**North**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002231** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334303118022901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334303118022901 | GAMA PFAS Testing: | Not Reported |

| | |
|---|---|
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334303118022901&store_num= |
| GeoTracker Data: | Not Reported |

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**66**
**North**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40000137331**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**G67**
**WNW**
**1/8 - 1/4 Mile**
**Lower**

**CA WELLS** **CAUSGSN00007619**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334258118024001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334258118024001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334258118024001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**G68**
**WNW**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40000137296**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R013S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **F69**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000024820** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F70**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006456** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F71**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006552** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F72**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000033933** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **F73**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000030841** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F74**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028292** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F75**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000015854** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **F76**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000003824** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21N004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21N004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21N004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **I77**<br>**East**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000012636** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28C003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28C003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28C003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **I78**<br>**East**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000036688** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28C007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28C007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28C007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **J79**<br>**NNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00014604** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334304118023501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334304118023501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334304118023501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **K80**<br>**WNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00009485** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334257118024301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334257118024301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334257118024301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **J81**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137334** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R010S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19500921 | Well Depth: | 143 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 4 | Level reading date: | 1982-11-09 |
| Feet below surface: | Not Reported | Feet to sea level: | Not Reported |
| Note: | The measurement was discontinued. | | |
| Level reading date: | 1982-08-04 | Feet below surface: | 39.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-04-28 | Feet below surface: | 31.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-14 | Feet below surface: | 33.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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| | | |
|---|---|---|
| **L82**<br>**SW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137209** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29A010S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **K83**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137284** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |

| | | | |
|---|---|---|---|
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**M84**
**NE** **CA WELLS** **CAUSGSN00010559**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334303118021901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334303118021901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334303118021901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**L85**
**SW** **CA WELLS** **CAUSGSN00010882**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334243118024001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334243118024001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334243118024001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**M86**
**NE** **FED USGS** **USGS40000137330**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **L87**<br>**SW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00014938** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334244118024201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334244118024201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334244118024201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **L88**<br>**SW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137215** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B011S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **H89**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00003020** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334306118022401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334306118022401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334306118022401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **H90**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137340** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**L91**
**SW** **CA WELLS** **CAUSGSN00005535**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334244118024301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334244118024301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334244118024301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**L92**
**WSW** **FED USGS** **USGS40000137216**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B010S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**N93**
**West** **CA WELLS** **CADWR0000003010**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29A010S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29A010S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29A010S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**N94**
**West** **CA WELLS** **CADWR0000018393**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29A007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29A007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29A007S&store_num= | | |

GeoTracker Data: Not Reported

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**N95**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CADWR0000023496**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29A008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29A008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29A008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**J96**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CADWR0000019750**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R010S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R010S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R010S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**O97**
**SSW**
**1/4 - 1/2 Mile**
**Higher**

**FED USGS** **USGS40000137186**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29H001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**J98**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00010583**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334305118023901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334305118023901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334305118023901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **O99**<br>**SSW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00002841** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334237118023201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334237118023201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334237118023201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **P100**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016735** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334256118021001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334256118021001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334256118021001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **P101**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137274** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **J102**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137335** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20R011S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**K103**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00000418**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334257118024701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334257118024701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334257118024701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**Q104**
**NNE**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137349**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21N007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**Q105**
**NNE**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00017332**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334308118022401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334308118022401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334308118022401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**K106**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137285**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q011S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |

| | | | |
|---|---|---|---|
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**K107**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00015609**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118024601 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118024601 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118024601&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**R108**
**North**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00016313**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118023101 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118023101 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118023101&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**S109**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137308**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q013S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **T110**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000031604** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21P005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21P005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21P005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **T111**<br>**NE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000032624** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21P004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21P004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21P004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S112**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00013827** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334303118024401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334303118024401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334303118024401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **R113**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137353** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20J003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S114**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137332** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q015S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **U115**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **6341** |

| | | | |
|---|---|---|---|
| Seq: | 6341 | Prim sta c: | 05S/11W-21N03 S |
| Frds no: | 3000741001 | County: | 30 |
| District: | 08 | User id: | TEE |
| System no: | 3000741 | Water type: | G |
| Source nam: | WELL 01 AIRPORT WELL - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 334300.0 | Longitude: | 1180210.0 |
| Precision: | 3 | Status: | DS |
| Comment 1: | 5171 WARNER AVE HUNTINGTON BEACH | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |
| | | | |
| System no: | 3000741 | System nam: | Airport Cafe |
| Hqname: | Not Reported | Address: | Not Reported |
| City: | Not Reported | State: | Not Reported |
| Zip: | Not Reported | Zip ext: | Not Reported |
| Pop serv: | 0 | Connection: | 0 |
| Area serve: | Not Reported | | |

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|---|---|---|
| **S116**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016367** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118024701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118024701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118024701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S117**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137309** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **N118**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CADWR0000000647** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **N119**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CADWR8000005107** |

| | | | |
|---|---|---|---|
| State Well #: | 05S11W29B008S | Station ID: | 30974 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Coastal Plain Of Orange County | | |
| Well Completion Rpt #: | Not Reported | | |

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|---|---|---|
| **R120**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000004362** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20J006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20J006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20J006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **Q121**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00018221** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118022001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118022001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118022001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **Q122**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137352** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21M007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **R123**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002226** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118023501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118023501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118023501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **V124**<br>**WSW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00016820** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334243118024801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334243118024801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334243118024801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **W125**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00000560** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334253118025101 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334253118025101 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334253118025101&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **V126**<br>**WSW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137210** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B009S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **S127**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028291** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R009S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R009S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R009S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S128**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000007536** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R016S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R016S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R016S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S129**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000019999** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R011S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R011S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R011S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S130**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000000663** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S131**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000029469** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S132**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000024451** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R014S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R014S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R014S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S133**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000033167** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R013S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R013S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R013S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S134**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000029585** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S135**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000020654** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **S136**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000016015** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R012S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R012S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R012S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **S137**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000019946** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20R002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20R002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20R002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **R138**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137361** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20J006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19540510 | Well Depth: | 130 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 19 | Level reading date: | 1986-08-19 |
| Feet below surface: | 32.57 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| Level reading date: | 1986-05-01 | Feet below surface: | 27.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1986-02-26 | Feet below surface: | 29.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-11-04 | Feet below surface: | 35.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-08-17 | Feet below surface: | 34.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-05-14 | Feet below surface: | 27.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-11-01 | Feet below surface: | 33.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-08-23 | Feet below surface: | 33.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-05-15 | Feet below surface: | 26.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1984-02-08 | Feet below surface: | 21.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-11-02 | Feet below surface: | 29.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-08-11 | Feet below surface: | 32.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-05-16 | Feet below surface: | 26.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-02-10 | Feet below surface: | 27.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-11-04 | Feet below surface: | 32.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-07-28 | Feet below surface: | 32.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-04-28 | Feet below surface: | 24.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-29 | Feet below surface: | 25.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-14 | Feet below surface: | 26.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

---

**X139**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00017259**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334305118024501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334305118024501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334305118024501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

---

**W140**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000112968**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW13 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **W141**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAEDF0000065253** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-13 | | |

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| | | |
|---|---|---|
| **W142**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137260** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B012S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **X143**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137336** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **U144**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CADDW0000006063** |

| | | | |
|---|---|---|---|
| Well ID: | 3000741-001 | Well Type: | MUNICIPAL |
| Source: | Department of Health Services | | |

| | |
|---|---|
| Other Name: | WELL 01 AIRPORT WELL - DESTROYED |
| GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3000741-001&store_num= |
| GeoTracker Data: | Not Reported |

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**Y145**
**South**
**1/4 - 1/2 Mile**
**Higher**

**FED USGS** **USGS40000137160**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29H002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**Y146**
**South**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAUSGSN00014488**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334232118022801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334232118022801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334232118022801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**Z147**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00015669**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118024210 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118024210 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118024210&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**Z148**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00004715**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118024209 | Well Type: | UNK |
| Source: | United States Geological Survey | | |

| | | | |
|---|---|---|---|
| Other Name: | USGS-334309118024209 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118024209&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**Z149**
**NNW** **CA WELLS** **CADWR8000005141**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| State Well #: | 05S11W20J006S | Station ID: | 30964 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Coastal Plain Of Orange County | | |
| Well Completion Rpt #: | Not Reported | | |

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**AA150**
**SW** **CA WELLS** **CADWR0000019498**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29H001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29H001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29H001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AA151**
**SW** **CA WELLS** **CADWR0000004152**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29H002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29H002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29H002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**X152**
**NW** **CA WELLS** **CAUSGSN00009405**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334307118024501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334307118024501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334307118024501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **V153**<br>**WSW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00008065** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334244118025101 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334244118025101 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334244118025101&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **Z154**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137354** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20J009S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **Z155**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137355** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20J010S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **X156**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137346** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q009S | Type: | Well |

| | | | |
|---|---|---|---|
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**W157**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000055093**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-17 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-17 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-17&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-17 | | |

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**V158**
**WSW**
**1/4 - 1/2 Mile**
**Higher**

**FED USGS** **USGS40000137217**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**X159**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00015145**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334305118024801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334305118024801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334305118024801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **X160**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137337** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q014S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AB161**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00013975** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334257118025301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334257118025301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334257118025301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **X162**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00005880** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118024401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118024401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118024401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AB163**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137286** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**Z164**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137356**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AC165**
**North**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00012146**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334314118022501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334314118022501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334314118022501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**Z166**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00011972**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118024401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118024401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118024401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**W167**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000113184**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW16&store_num= | | |

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW16

---

**AC168**
**North**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137379**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21M003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

---

**Z169**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137362**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

---

**W170**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000073992**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-16 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **W171**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00001096** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334252118025501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334252118025501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334252118025501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **W172**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137257** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B013S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AD173**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **CA WELLS** | **CAUSGSN00006380** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334251118025501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334251118025501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334251118025501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **W174**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137252** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29B008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**W175**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000133503**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW20 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW20 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW20&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW20 | | |

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**AB176**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00019264**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334256118025501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334256118025501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334256118025501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**W177**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000139364**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-20 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-20 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-20&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-20 | | |

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**AB178**
**West**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137276**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20Q001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |

| | | | |
|---|---|---|---|
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AD179**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000084508**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-15 | | |

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**AD180**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000065990**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW15 | | |

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**Z181**
**NNW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00002725**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334312118024301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334312118024301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334312118024301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AD182**
**West**
**1/4 - 1/2 Mile**
**Higher**

**CA WELLS** **CAEDF0000019490**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW12 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AB183**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000000552** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW9 | | |

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| | | |
|---|---|---|
| **AB184**<br>**West**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000035215** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-9 | | |

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| | | |
|---|---|---|
| **Z185**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137373** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AE186**<br>**SSW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **FED USGS** | **USGS40000137139** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29J002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |

| | | | |
|---|---|---|---|
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AE187**
**SSW** **FED USGS** **USGS40000137140**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29J003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AE188**
**SSW** **CA WELLS** **CAUSGSN00008912**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334229118023503 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334229118023503 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334229118023503&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AE189**
**SSW** **CA WELLS** **CAUSGSN00003394**
**1/4 - 1/2 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334229118023501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334229118023501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334229118023501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AD190**
**West** **CA WELLS** **CAEDF0000085330**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW8 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW8

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**AD191**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000040538**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-19 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-19 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-19&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-19

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**AD192**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000131991**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW19 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW19 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW19&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW19

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**AB193**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000075500**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW6 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW6

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**AB194**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000096581**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-18 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-18 |

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-18&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-18

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**AB195**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000013271**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW18 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW18 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW18&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW18 | | |

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**AD196**
**West**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAEDF0000036019**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-8 | | |

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**AF197**
**ENE**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137294**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21P004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AF198**
**ENE**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CAUSGSN00016334**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334258118020001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334258118020001 | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334258118020001&store_num=
GeoTracker Data: Not Reported

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**AG199**
**North** **CA WELLS** **CADWR0000006417**
**1/4 - 1/2 Mile**
**Lower**

Well ID: 05S11W21M007S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S11W21M007S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21M007S&store_num=
GeoTracker Data: Not Reported

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**AG200**
**North** **CA WELLS** **CADWR0000036497**
**1/4 - 1/2 Mile**
**Lower**

Well ID: 05S11W21M004S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S11W21M004S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21M004S&store_num=
GeoTracker Data: Not Reported

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**AG201**
**North** **CA WELLS** **CADWR0000000840**
**1/4 - 1/2 Mile**
**Lower**

Well ID: 05S11W21M006S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S11W21M006S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21M006S&store_num=
GeoTracker Data: Not Reported

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**AG202**
**North** **CA WELLS** **CADWR0000036201**
**1/4 - 1/2 Mile**
**Lower**

Well ID: 05S11W21M003S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S11W21M003S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21M003S&store_num=
GeoTracker Data: Not Reported

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AH203**<br>**NW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00018171** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334313118024501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334313118024501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334313118024501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AB204**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000084484** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V2 | | |

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|---|---|---|
| **AI205**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000022039** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V1 | | |

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|---|---|---|
| **AH206**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137378** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AI207**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000074431** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW2 | | |

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|---|---|---|
| **AI208**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000066422** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW10 | | |

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|---|---|---|
| **AI209**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000010889** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-2 | | |

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|---|---|---|
| **AI210**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000115141** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V-2 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AI211**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000102255** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V-1 | | |

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|---|---|---|
| **AI212**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000070546** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-10 | | |

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|---|---|---|
| **AI213**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000048129** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V-3 | | |

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|---|---|---|
| **AI214**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000034154** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-V3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | V3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=V3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=V3 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AG215**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00000895** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334318118022901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334318118022901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334318118022901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AJ216**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00017523** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334315118021401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334315118021401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334315118021401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AI217**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000048292** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-1 | | |

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|---|---|---|
| **AI218**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000130675** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW1 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AJ219**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137383** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21M004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|---|
| **AG220**<br>**North**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000137406** | |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20J004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|---|
| **AK221**<br>**NNE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000034214** | |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-23 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-23 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-23&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-23 | | |

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|---|---|---|---|
| **AI222**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000114482** | |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW4 |

| | |
|---|---|
| GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW4&store_num= |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW4 |

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**AI223**
**WNW**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000089203**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-4 | | |

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**AI224**
**WNW**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000114186**

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW3 | | |

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**AL225**
**WSW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000137211**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19250109 | Well Depth: | 416 |
| Well Depth Units: | ft | Well Hole Depth: | 453 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-11-05 |
| Feet below surface: | 80.10 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AM226**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00005219** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118025301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118025301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118025301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AN227**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000112384** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-11 | | |

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|---|---|---|
| **AN228**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000064756** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW11 | | |

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|---|---|---|
| **AI229**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000003974** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-3 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | | Database | EDR ID Number |
|---|---|---|---|---|
| **AO230**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | Site ID: | 083000945T | **AQUIFLOW** | **68242** |
| | Groundwater Flow: | SW | | |
| | Shallow Water Depth: | 12.18 | | |
| | Deep Water Depth: | 13.48 | | |
| | Average Water Depth: | Not Reported | | |
| | Date: | 09/30/1996 | | |

**AM231**
**NW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137357**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

**AL232**
**WSW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000137204**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

**AL233**
**WSW**
**1/2 - 1 Mile**
**Higher**

**CA WELLS** **CAUSGSN00017494**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334242118025802 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334242118025802 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334242118025802&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AN234**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000055524** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW14 | | |

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| | | |
|---|---|---|
| **AP235**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000017572** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21Q005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21Q005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21Q005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AK236**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000011784** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-22 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-22 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-22&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-22 | | |

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| | | |
|---|---|---|
| **AO237**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000016021** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-12 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **238**<br>**South**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000035477** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28M002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28M002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28M002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AI239**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000143309** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW7 | | |

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|---|---|---|
| **AI240**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000093671** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-7 | | |

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|---|---|---|
| **AN241**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000061816** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-14 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AI242**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000075864** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW5 | | |

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| | | |
|---|---|---|
| **AJ243**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000027879** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21L006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21L006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21L006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AJ244**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000014081** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21L003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21L003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21L003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AJ245**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000010353** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21L004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21L004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21L004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AJ246**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000007610** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21L002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21L002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21L002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AK247**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000094363** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-11 | | |

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| | | |
|---|---|---|
| **AO248**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000086648** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-3 | | |

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| | | |
|---|---|---|
| **AK249**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000057690** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-21 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-21 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-21&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-21 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AO250**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000124789** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-1 | | |

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| | | |
|---|---|---|
| **AI251**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000098515** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901553-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901553&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901553&assigned_name=MW-5 | | |

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| | | |
|---|---|---|
| **AI252**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **6361** |

| | | | |
|---|---|---|---|
| Seq: | 6361 | Prim sta c: | 05S/11W-29C01 S |
| Frds no: | 3010053006 | County: | 30 |
| District: | 08 | User id: | TEE |
| System no: | 3010053 | Water type: | G |
| Source nam: | WELL 02 - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE/SUPPLY |
| Latitude: | 334300.0 | Longitude: | 1180300.0 |
| Precision: | 8 | Status: | DS |
| Comment 1: | Not Reported | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |

| | | | |
|---|---|---|---|
| System no: | 3010053 | System nam: | City Of Huntington Beach |
| Hqname: | Not Reported | Address: | PO BOX 190 |
| City: | HUNTINGTON BEACH | State: | CA |
| Zip: | 92648 | Zip ext: | Not Reported |
| Pop serv: | 192000 | Connection: | 49209 |
| Area serve: | HUNTINGTON BEACH | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AI253**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **6362** |

| | | | |
|---|---|---|---|
| Seq: | 6362 | Prim sta c: | 05S/11W-29C02 S |
| Frds no: | 3010053004 | County: | 30 |
| District: | 08 | User id: | TEE |
| System no: | 3010053 | Water type: | G |
| Source nam: | WELL 01 - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE/SUPPLY |
| Latitude: | 334300.0 | Longitude: | 1180300.0 |
| Precision: | 8 | Status: | DS |
| Comment 1: | Not Reported | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |

| | | | |
|---|---|---|---|
| System no: | 3010053 | System nam: | City Of Huntington Beach |
| Hqname: | Not Reported | Address: | PO BOX 190 |
| City: | HUNTINGTON BEACH | State: | CA |
| Zip: | 92648 | Zip ext: | Not Reported |
| Pop serv: | 192000 | Connection: | 49209 |
| Area serve: | HUNTINGTON BEACH | | |

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|---|---|---|
| **AO254**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000014599** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-8 | | |

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| | | |
|---|---|---|
| **AK255**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00015713** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334319118021901 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334319118021901 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334319118021901&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AK256**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000015069** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-20 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-20 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-20&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-20 | | |

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| | | |
|---|---|---|
| **AQ257**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR8000005140** |

| | | | |
|---|---|---|---|
| State Well #: | 05S11W21L005S | Station ID: | 9426 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Coastal Plain Of Orange County | | |
| Well Completion Rpt #: | Not Reported | | |

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|---|---|---|
| **AM258**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00006033** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334312118025201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334312118025201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334312118025201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AK259**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137412** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21M006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AO260**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000112123** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-5 | | |

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|---|---|---|
| **AM261**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137374** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AO262**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000032537** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-10 | | |

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|---|---|---|
| **AO263**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000116314** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-15 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AL264**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000016088** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AO265**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000136089** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-2 | | |

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|---|---|---|
| **AK266**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000038027** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-17 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-17 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-17&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-17 | | |

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|---|---|---|
| **AO267**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000091609** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-7 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AH268**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000037657** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20J010S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20J010S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20J010S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AH269**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000007065** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20J009S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20J009S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20J009S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AH270**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000034306** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20J004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20J004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20J004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AH271**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000019530** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20J003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20J003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20J003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AO272**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000119767** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-4 | | |

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|---|---|---|
| **AK273**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000046875** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-18 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-18 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-18&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-18 | | |

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|---|---|---|
| **AO274**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000141544** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-9 | | |

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|---|---|---|
| **AK275**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000108799** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-16 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AM276**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002921** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334311118025501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334311118025501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334311118025501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AO277**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000048071** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-13 | | |

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| | | |
|---|---|---|
| **AO278**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000066264** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-6 | | |

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|---|---|---|
| **AM279**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137371** |

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|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K009S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **280**<br>**SSE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000017535** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28L001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28L001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28L001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AQ281**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00007675** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118020001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118020001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118020001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AK282**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000094117** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-19 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-19 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-19&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-19 | | |

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|---|---|---|
| **AQ283**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137360** |

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|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21L005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19570614 | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | 156 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 17 | Level reading date: | 1986-08-19 |
| Feet below surface: | 35.60 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| Level reading date: | 1986-05-01 | Feet below surface: | 30.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1986-02-26 | Feet below surface: | 32.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-11-04 | Feet below surface: | 38.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-02-28 | Feet below surface: | 25.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-11-01 | Feet below surface: | 36.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-05-15 | Feet below surface: | 28.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-02-08 | Feet below surface: | 23.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-11-02 | Feet below surface: | 32.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-08-11 | Feet below surface: | 35.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-05-20 | Feet below surface: | 29.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-02-10 | Feet below surface: | 29.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-11-04 | Feet below surface: | 35.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-07-28 | Feet below surface: | 34.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-04-28 | Feet below surface: | 27.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-14 | Feet below surface: | 28.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1957-06-14 | Feet below surface: | 62.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**AO284**
**North**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000055888**

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-1&store_num= | | |

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-1

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**AO285**
**North**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000013692**

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-3 | | |

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**AO286**
**North**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000104381**

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-2 | | |

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**AO287**
**North**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000054042**

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-12 | | |

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**AO288**
**North**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000143868**

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-10 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AQ289**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **6340** |

| | | | |
|---|---|---|---|
| Seq: | 6340 | Prim sta c: | 05S/11W-21L05 S |
| Frds no: | 3000820001 | County: | 30 |
| District: | 08 | User id: | TEE |
| System no: | 3000820 | Water type: | G |
| Source nam: | WELL 01 - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 334310.0 | Longitude: | 1180200.0 |
| Precision: | 3 | Status: | DS |
| Comment 1: | HUNTINGTON BEACH | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |

| | | | |
|---|---|---|---|
| System no: | 3000820 | System nam: | Old Pirate Lane Water Co |
| Hqname: | Not Reported | Address: | Not Reported |
| City: | Not Reported | State: | Not Reported |
| Zip: | Not Reported | Zip ext: | Not Reported |
| Pop serv: | 0 | Connection: | 0 |
| Area serve: | Not Reported | | |

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| | | |
|---|---|---|
| **AO290**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000087833** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-5 | | |

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|---|---|---|
| **AN291**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000030251** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B010S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B010S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B010S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AN292**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000036801** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B013S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B013S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B013S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AN293**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000029357** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B012S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B012S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B012S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AN294**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000011526** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B011S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B011S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B011S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AN295**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000020807** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B009S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B009S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B009S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AN296**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000017476** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B014S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B014S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B014S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AN297**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000003044** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29B005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29B005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29B005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AM298**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002962** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334312118025501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334312118025501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334312118025501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AO299**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000061298** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-13 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AO300**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000041288** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-4 | | |

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|---|---|---|
| **AM301**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137375** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20K002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **AO302**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000032757** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-7 | | |

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|---|---|---|
| **AO303**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000059068** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-11 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AP304**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137345** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21P005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **AO305**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000109691** |

| | | | |
|---|---|---|---|
| Well ID: | T0605901550-B-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | B-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901550&assigned_name=B-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901550&assigned_name=B-14 | | |

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|---|---|---|
| **AP306**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016816** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334307118015701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334307118015701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334307118015701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AO307**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000010890** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-8 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AO308**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000141076** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-14 | | |

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|---|---|---|
| **AR309**<br>**SSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000037869** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29J003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29J003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29J003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AR310**<br>**SSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000000839** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29J002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29J002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29J002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **311**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000098646** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900752-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900752&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900752&assigned_name=MW-9 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AS312**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00014862** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334245118030505 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334245118030505 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334245118030505&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AS313**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002319** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334245118030508 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334245118030508 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334245118030508&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AS314**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00004196** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334245118030507 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334245118030507 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334245118030507&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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|---|---|---|
| **AS315**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00008922** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334245118030506 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334245118030506 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334245118030506&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AS316**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137224** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **AS317**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137223** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **AS318**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137226** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C008S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AS319**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137225** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29C007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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|---|---|---|
| **AT320**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADDW0000014286** |

| | | | |
|---|---|---|---|
| Well ID: | 3000820-001 | Well Type: | MUNICIPAL |
| Source: | Department of Health Services | | |
| Other Name: | WELL 01 - DESTROYED | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3000820-001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU321**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000035496** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q015S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q015S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q015S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU322**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000035474** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AU323**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000020290** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU324**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000020019** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU325**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000036585** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q012S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q012S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q012S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU326**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000036223** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AU327**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000010539** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU328**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028221** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q013S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q013S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q013S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU329**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028167** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q014S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q014S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q014S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU330**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006865** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AU331**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000018468** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU332**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000011902** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q009S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q009S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q009S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AU333**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000017253** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20Q011S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20Q011S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20Q011S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AV334**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002362** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334322118024401 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334322118024401 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334322118024401&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AV335**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137429** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20G007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AW336**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00019291** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334239118030501 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334239118030501 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334239118030501&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AW337**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00004194** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334239118030502 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334239118030502 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334239118030502&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AW338**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137189** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29F001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AW339**
**WSW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137190**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29F002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AT340**
**ENE**
**1/2 - 1 Mile**
**Lower**

**AQUIFLOW** **55038**

| | |
|---|---|
| Site ID: | 083001322T |
| Groundwater Flow: | SSW |
| Shallow Water Depth: | 25 |
| Deep Water Depth: | 62 |
| Average Water Depth: | Not Reported |
| Date: | 06/09/1994 |

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**AT341**
**ENE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00000559**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334309118015201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334309118015201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334309118015201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AT342**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137351**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21Q005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |

Well Hole Depth Units: Not Reported

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**AX343**
**NE** **FED USGS** **USGS40000137385**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21L006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AX344**
**NE** **CA WELLS** **CAUSGSN00012089**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334316118015801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334316118015801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334316118015801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AV345**
**NNW** **CA WELLS** **CAUSGSN00001810**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334325118024301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334325118024301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334325118024301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AY346**
**NNW** **CA WELLS** **CAUSGSN00019463**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334322118025101 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334322118025101 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334322118025101&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **AV347**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137438** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20G005S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **AY348**<br>**NNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137430** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20G006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **349**<br>**SE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000018442** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28K001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28K001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28K001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **AX350**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00001506** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334318118015801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334318118015801 | GAMA PFAS Testing: | Not Reported |

| | |
|---|---|
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334318118015801&store_num= |
| GeoTracker Data: | Not Reported |

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**AX351**
**NE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137405**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21L003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AZ352**
**East**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000037429**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28A001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28A001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28A001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AZ353**
**East**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000012363**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28A002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28A002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28A002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**AX354**
**NE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137396**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21L002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |

| | | | |
|---|---|---|---|
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**AX355**
**NE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00007542**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334317118015601 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334317118015601 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334317118015601&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**356**
**ENE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000032655**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21L005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21L005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21L005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BA357**
**NE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137425**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21L004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BA358**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00006620** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334321118015801 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334321118015801 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334321118015801&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB359**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000018753** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB360**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000018633** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K009S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K009S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K009S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB361**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000036627** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BB362**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000024290** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB363**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000033344** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K008S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K008S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB364**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000011578** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BB365**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000031849** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BB366**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006290** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20K005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20K005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20K005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BC367**<br>**ESE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000024599** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28H005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28H005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28H005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BC368**<br>**ESE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028009** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W28H002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W28H002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W28H002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BD369**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00004747** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334255118031701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334255118031701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334255118031701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BD370**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137267** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29D001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BE371**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137344** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21Q001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BE372**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00018681** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334307118014201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334307118014201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334307118014201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BD373**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000004199** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C006S | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C006S&store_num=
GeoTracker Data: Not Reported

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**BD374**
**West**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000001541**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C005S | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C005S&store_num=
GeoTracker Data: Not Reported

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**BD375**
**West**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000031552**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C008S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C008S | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C008S&store_num=
GeoTracker Data: Not Reported

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**BD376**
**West**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000014797**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C002S | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C002S&store_num=
GeoTracker Data: Not Reported

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**BD377**
**West**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000021014**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29C007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29C007S | GAMA PFAS Testing: | Not Reported |

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29C007S&store_num=
GeoTracker Data: Not Reported

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BF378**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADDW0000014658** |

| | | | |
|---|---|---|---|
| Well ID: | 3000701-001 | Well Type: | MUNICIPAL |
| Source: | Department of Health Services | | |
| Other Name: | WELL 01 GREEN ST WELL - DESTROYED | | |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3000701-001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BF379**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **6339** |

| | | | |
|---|---|---|---|
| Seq: | 6339 | Prim sta c: | 05S/11W-20J06 S |
| Frds no: | 3000701001 | County: | 30 |
| District: | 08 | User id: | TEE |
| System no: | 3000701 | Water type: | G |
| Source nam: | WELL 01 GREEN ST WELL - DESTROYED | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 334335.0 | Longitude: | 1180235.0 |
| Precision: | 3 | Status: | DS |
| Comment 1: | HUNTINGTON BEACH | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |
| System no: | 3000701 | System nam: | Green St Area Water Users |
| Hqname: | Not Reported | Address: | Not Reported |
| City: | Not Reported | State: | Not Reported |
| Zip: | Not Reported | Zip ext: | Not Reported |
| Pop serv: | 0 | Connection: | 0 |
| Area serve: | Not Reported | | |

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| | | |
|---|---|---|
| **BG380**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000002261** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21J001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21J001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21J001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BG381**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028211** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21J003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21J003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21J003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BG382**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000004583** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21J004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21J004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21J004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BH383**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000019765** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29F001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29F001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29F001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BH384**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000031864** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W29F002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W29F002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W29F002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BH385**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00005552** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334242118032001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334242118032001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334242118032001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BH386**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00001865** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334242118032002 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334242118032002 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334242118032002&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BI387**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137205** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29E001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BI388**<br>**WSW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137206** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W29E002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |

| | | | |
|---|---|---|---|
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BJ389**
**NNE** **CA WELLS** **CADWR0000008298**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21G002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21G002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21G002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BJ390**
**NNE** **CA WELLS** **CADWR0000028245**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21G003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21G003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21G003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BJ391**
**NNE** **CA WELLS** **CADWR0000015872**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21G001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21G001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21G001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BE392**
**ENE** **CA WELLS** **CADWR8000005137**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| State Well #: | 05S11W21Q001S | Station ID: | 30965 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Coastal Plain Of Orange County | | |
| Well Completion Rpt #: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BE393**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000030312** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21Q001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21Q001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21Q001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BK394**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00013941** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118032302 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118032302 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118032302&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BK395**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00019113** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118032301 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118032301 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118032301&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BK396**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00005937** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118032304 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118032304 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118032304&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BK397**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00001092** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334300118032303 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334300118032303 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334300118032303&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BK398**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137311** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20N002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BK399**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137310** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20N001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BK400**<br>**West**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137313** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20N004S | Type: | Well |

| | | | |
|---|---|---|---|
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BK401**
**West**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137312**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20N003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BL402**
**WNW**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00006434**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118032001 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118032001 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118032001&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BL403**
**WNW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137363**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BM404**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR8000005135** |

| | | | |
|---|---|---|---|
| State Well #: | 05S11W21R002S | Station ID: | 9427 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Coastal Plain Of Orange County | | |
| Well Completion Rpt #: | Not Reported | | |

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| | | |
|---|---|---|
| **BN405**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000010679** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20G006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20G006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20G006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BN406**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006258** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20G005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20G005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20G005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BN407**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000006628** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20G007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20G007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20G007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BN408**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000028244** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W20G001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W20G001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W20G001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BL409**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00009503** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118032304 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118032304 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118032304&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BL410**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016439** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118032305 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118032305 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118032305&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BL411**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00011170** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118032303 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118032303 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118032303&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BL412**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00000863** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334310118032302 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334310118032302 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334310118032302&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BM413**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137339** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21R002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19541201 | Well Depth: | 241 |
| Well Depth Units: | ft | Well Hole Depth: | 269 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 29 | Level reading date: | 1986-08-18 |
| Feet below surface: | 43.38 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| Level reading date: | 1986-05-01 | Feet below surface: | 33.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1986-02-26 | Feet below surface: | 36.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-11-04 | Feet below surface: | 47.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-08-17 | Feet below surface: | 47.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-05-14 | Feet below surface: | 33.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1985-02-28 | Feet below surface: | 26.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-11-01 | Feet below surface: | 45.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-08-22 | Feet below surface: | 44.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1984-05-15 | Feet below surface: | 34.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1984-02-08 | Feet below surface: | 26.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-11-02 | Feet below surface: | 35.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-08-11 | Feet below surface: | 41.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-05-20 | Feet below surface: | 34.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-02-10 | Feet below surface: | 34.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-11-04 | Feet below surface: | 41.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-08-04 | Feet below surface: | 41.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-05-11 | Feet below surface: | 32.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-01-29 | Feet below surface: | 31.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-11-10 | Feet below surface: | 39.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-08-06 | Feet below surface: | 39.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-05-12 | Feet below surface: | 30.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-02-05 | Feet below surface: | 27.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-10-30 | Feet below surface: | 36.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-08-25 | Feet below surface: | 39.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-06-16 | Feet below surface: | 35.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-02-06 | Feet below surface: | 36.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-11-15 | Feet below surface: | 41.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-12-01 | Feet below surface: | 45.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BM414**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00018096** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334306118013201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334306118013201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334306118013201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BL415**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137365** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BL416**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137364** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BL417**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137367** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M005S | Type: | Well |

| | | | |
|---|---|---|---|
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BL418**
**WNW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137366**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M004S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BO419**
**NE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00007012**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334332118015202 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334332118015202 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334332118015202&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BO420**
**NE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00018773**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334332118015201 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334332118015201 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334332118015201&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BO421**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00009038** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334332118015203 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334332118015203 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334332118015203&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BO422**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137458** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21G001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BO423**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137459** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21G002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BO424**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137460** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21G003S | Type: | Well |

| | | | |
|---|---|---|---|
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**BM425**
**ENE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CADWR0000011687**

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21R002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21R002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21R002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BP426**
**ENE**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00003576**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334319118013701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334319118013701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334319118013701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BP427**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137411**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W21J003S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BQ428**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000001874** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21D005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21D005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21D005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BQ429**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000030967** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W21D004S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W21D004S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W21D004S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BR430**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00002775** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334316118032207 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334316118032207 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334316118032207&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BR431**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00016391** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334316118032208 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334316118032208 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334316118032208&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BR432**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAUSGSN00012601** |

| | | | |
|---|---|---|---|
| Well ID: | USGS-334316118032206 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334316118032206 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334316118032206&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BR433**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137386** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M006S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BR434**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137387** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M007S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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| | | |
|---|---|---|
| **BR435**<br>**WNW**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40000137388** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20M008S | Type: | Well |

| | | | |
|---|---|---|---|
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**436**
**East**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAEDF0000054414**

| | | | |
|---|---|---|---|
| Well ID: | T0605900862-MW-18 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-18 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900862&assigned_name=MW-18&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900862&assigned_name=MW-18 | | |

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**BS437**
**NW**
**1/2 - 1 Mile**
**Lower**

**CA WELLS** **CAUSGSN00010095**

| | | | |
|---|---|---|---|
| Well ID: | USGS-334323118031701 | Well Type: | UNK |
| Source: | United States Geological Survey | | |
| Other Name: | USGS-334323118031701 | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334323118031701&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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**BS438**
**NW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137432**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S011W20E001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070201 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BQ439**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000104804** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900283-MW-31 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-31 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900283&assigned_name=MW-31&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900283&assigned_name=MW-31 | | |

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| | | |
|---|---|---|
| **BT440**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000037010** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W27D005S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W27D005S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W27D005S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BT441**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000011477** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W27D006S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W27D006S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W27D006S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

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| | | |
|---|---|---|
| **BT442**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CADWR0000029372** |

| | | | |
|---|---|---|---|
| Well ID: | 05S11W27D007S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 05S11W27D007S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S11W27D007S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **BQ443**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000079267** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900283-MW-64 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-64 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900283&assigned_name=MW-64&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900283&assigned_name=MW-64 | | |

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| | | |
|---|---|---|
| **BQ444**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000024238** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900283-MW-65 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-65 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900283&assigned_name=MW-65&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900283&assigned_name=MW-65 | | |

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| | | |
|---|---|---|
| **BQ445**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000052724** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900283-MW-30 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-30 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900283&assigned_name=MW-30&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900283&assigned_name=MW-30 | | |

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| | | |
|---|---|---|
| **BT446**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | **CA WELLS** | **CAEDF0000066397** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900617-MW14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900617&assigned_name=MW14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900617&assigned_name=MW14 | | |

| Map ID<br>Direction<br>Distance<br>Elevation | | Database | EDR ID Number |
|---|---|---|---|
| **447**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | | **CA WELLS** | **CAEDF0000074595** |

| | | | |
|---|---|---|---|
| Well ID: | T0605900617-MW15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900617&assigned_name=MW15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900617&assigned_name=MW15 | | |

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| | | | | |
|---|---|---|---|---|
| **1G**<br>**North**<br>**1/2 - 1 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083000945T<br>SW<br>12.18<br>13.48<br>Not Reported<br>09/30/1996 | **AQUIFLOW** | **68242** |

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| | | | | |
|---|---|---|---|---|
| **2G**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083001322T<br>SSW<br>25<br>62<br>Not Reported<br>06/09/1994 | **AQUIFLOW** | **55038** |

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| | | | | |
|---|---|---|---|---|
| **3G**<br>**East**<br>**1/8 - 1/4 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083001529T<br>SE<br>31.28<br>35.72<br>Not Reported<br>10/07/1993 | **AQUIFLOW** | **55036** |

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| | | | | |
|---|---|---|---|---|
| **4G**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083000262T<br>SE, SW<br>34.20<br>40.58<br>Not Reported<br>01/27/1999 | **AQUIFLOW** | **54834** |

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| | | | | |
|---|---|---|---|---|
| **5G**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID:<br>Groundwater Flow:<br>Shallow Water Depth:<br>Deep Water Depth:<br>Average Water Depth:<br>Date: | 083000262T<br>SE, SW<br>34.20<br>40.58<br>Not Reported<br>01/27/1999 | **AQUIFLOW** | **54835** |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | | | Database | EDR ID Number |
|---|---|---|---|---|
| **6G**<br>**ENE**<br>**0 - 1/8 Mile**<br>**Lower** | Site ID: | 083000610T | **AQUIFLOW** | **38655** |
| | Groundwater Flow: | SE | | |
| | Shallow Water Depth: | 36 | | |
| | Deep Water Depth: | 51 | | |
| | Average Water Depth: | Not Reported | | |
| | Date: | 07/15/1996 | | |

Map ID
Direction
Distance

Database | EDR ID Number

**A1**
**NNW**
**0 - 1/8 Mile**

**OIL_GAS** **CAOG14000216091**

| | | | |
|---|---|---|---|
| API #: | 0405907451 | Well #: | 30 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by A. S. Johnston Drilling Corp. | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

---

**2**
**WSW**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216031**

| | | | |
|---|---|---|---|
| API #: | 0405907390 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Freeman | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**A3**
**North**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216036**

| | | | |
|---|---|---|---|
| API #: | 0405907396 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Fortune Knox | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**4**
**NE**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000006251**

| | | | |
|---|---|---|---|
| API #: | 0405901192 | Well #: | 1 |
| Well Status: | Idle | Well Type: | Dry Hole |
| Lease Name: | Lease by Leo Stein | Field Name: | Any Field |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**5**
**SSE**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000006020**

| | | | |
|---|---|---|---|
| API #: | 0405900877 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Lease Name: | Graham Community | Field Name: | Any Field |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**B7**
**West**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216101**

| | | | |
|---|---|---|---|
| API #: | 0405907461 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**B6**
**West**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216004**

| | | | |
|---|---|---|---|
| API #: | 0405907363 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**8**
**SW**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216098**

| | | | |
|---|---|---|---|
| API #: | 0405907458 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Long Beach Trust And Savings | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

Map ID
Direction
Distance

Database EDR ID Number

**B9**
**WNW**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216024**

| | | | |
|---|---|---|---|
| API #: | 0405907383 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | J. S. W. Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**B10**
**West**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216107**

| | | | |
|---|---|---|---|
| API #: | 0405907467 | Well #: | 3-1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Holbrook-Isbell-Howard | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**C11**
**West**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216032**

| | | | |
|---|---|---|---|
| API #: | 0405907391 | Well #: | J-5-56 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Nina Bell | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**D12**
**NW**
**1/8 - 1/4 Mile**

**OIL_GAS** **CAOG14000216025**

| | | | |
|---|---|---|---|
| API #: | 0405907384 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | J. S. W. Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**13**
**SE**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000006167**

| | | | |
|---|---|---|---|
| API #: | 0405901102 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Lease Name: | Flamingo | Field Name: | Any Field |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**D14**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216037**

| | | | |
|---|---|---|---|
| API #: | 0405907397 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Pearl Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**B15**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216026**

| | | | |
|---|---|---|---|
| API #: | 0405907385 | Well #: | 4 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**D16**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216106**

| | | | |
|---|---|---|---|
| API #: | 0405907466 | Well #: | 2-2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Holbrook-Isbell-Howard | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**D17**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216100**

| | | | |
|---|---|---|---|
| API #: | 0405907460 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hunter | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**C18**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216006**

| | | | |
|---|---|---|---|
| API #: | 0405907365 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ted F. Merrill Comm. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**D19**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216038**

| | | | |
|---|---|---|---|
| API #: | 0405907398 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset Beach Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**C20**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216027**

| | | | |
|---|---|---|---|
| API #: | 0405907386 | Well #: | 5 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**E21**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216054**

| | | | |
|---|---|---|---|
| API #: | 0405907414 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Freeman | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**22**
**ENE**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000006127**

| | | | |
|---|---|---|---|
| API #: | 0405901060 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Lease Name: | Lease by Mid-Central Oil Co. | | |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**F23**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216005**

| | | | |
|---|---|---|---|
| API #: | 0405907364 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Wilkins | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**F24**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216112**

| | | | |
|---|---|---|---|
| API #: | 0405907472 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Nina Bell | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**G25**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216105**

| | | | |
|---|---|---|---|
| API #: | 0405907465 | Well #: | 2-1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Holbrook-Isbell-Howard | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**H26**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216019**

| | | | |
|---|---|---|---|
| API #: | 0405907378 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Rose | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**E27**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216029**

| | | | |
|---|---|---|---|
| API #: | 0405907388 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lionel | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**E28**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216109**

| | | | |
|---|---|---|---|
| API #: | 0405907469 | Well #: | 27 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Crawford | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**H29**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216075**

| | | | |
|---|---|---|---|
| API #: | 0405907435 | Well #: | 4 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | McIvor | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**30**
**NE**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000006077**

| | | | |
|---|---|---|---|
| API #: | 0405900997 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Lease Name: | Air Port | Field Name: | Any Field |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**I31**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216009**

| | | | |
|---|---|---|---|
| API #: | 0405907368 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | D.B.H. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**G32**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216030**

| | | | |
|---|---|---|---|
| API #: | 0405907389 | Well #: | 5 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Mcivor | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**33**
**South**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000099051**

| | | | |
|---|---|---|---|
| API #: | 0405904215 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Torrance | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**F34**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216096**

| | | | |
|---|---|---|---|
| API #: | 0405907456 | Well #: | 7 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Golden West | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**F35**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216104**

| | | | |
|---|---|---|---|
| API #: | 0405907464 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset Heights | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**J36**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216035**

| | | | |
|---|---|---|---|
| API #: | 0405907394 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Golden West Supervisors | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**G37**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000215998**

| | | | |
|---|---|---|---|
| API #: | 0405900416 | Well #: | 19 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**H38**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216076**

| | | | |
|---|---|---|---|
| API #: | 0405907436 | Well #: | 6 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | McIvor | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**I39**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000215996**

| | | | |
|---|---|---|---|
| API #: | 0405900013 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Haller Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**K40**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216099**

| | | | |
|---|---|---|---|
| API #: | 0405907459 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sylvester | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**J41**
**West**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216034**

| | | | |
|---|---|---|---|
| API #: | 0405907393 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Golden West Supervisors | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**L42**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216110**

| | | | |
|---|---|---|---|
| API #: | 0405907470 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Freeman | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**H43**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216111**

| | | | |
|---|---|---|---|
| API #: | 0405907471 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Freeman | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**M44**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216089**

| | | | |
|---|---|---|---|
| API #: | 0405907449 | Well #: | 23 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

Map ID
Direction
Distance

Database | EDR ID Number

**L45**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216103**

| | | | |
|---|---|---|---|
| API #: | 0405907463 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Carroll Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**I46**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216028**

| | | | |
|---|---|---|---|
| API #: | 0405907387 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Croom | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**47**
**SSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000101013**

| | | | |
|---|---|---|---|
| API #: | 0405902633 | Well #: | 143-M |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**K48**
**WSW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216108**

| | | | |
|---|---|---|---|
| API #: | 0405907468 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Brayton-Clock | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**L49**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216102**

| | | | |
|---|---|---|---|
| API #: | 0405907462 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Carroll Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**N50**
**NW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216018**

| | | | |
|---|---|---|---|
| API #: | 0405907377 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Higdon | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**L51**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000215997**

| | | | |
|---|---|---|---|
| API #: | 0405900415 | Well #: | 18 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**M52**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216085**

| | | | |
|---|---|---|---|
| API #: | 0405907445 | Well #: | 11 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Beach Supply Co. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**L53**
**WNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216090**

| | | | |
|---|---|---|---|
| API #: | 0405907450 | Well #: | 26 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**54**
**NNW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000216042**

| | | | |
|---|---|---|---|
| API #: | 0405907402 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Duc & Lambert | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**O55**
**SW**
**1/4 - 1/2 Mile**

**OIL_GAS** **CAOG14000101015**

| | | | |
|---|---|---|---|
| API #: | 0405902635 | Well #: | 152 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**N56**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216017**

| | | | |
|---|---|---|---|
| API #: | 0405907376 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | C & W | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**N57**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216086**

| | | | |
|---|---|---|---|
| API #: | 0405907446 | Well #: | 20 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**M58**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216080**

| | | | |
|---|---|---|---|
| API #: | 0405907440 | Well #: | 6 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**P59**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216087**

| | | | |
|---|---|---|---|
| API #: | 0405907447 | Well #: | 21 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**60**
**SSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101012**

| | | | |
|---|---|---|---|
| API #: | 0405902632 | Well #: | 142 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**N61**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216045**

| | | | |
|---|---|---|---|
| API #: | 0405907405 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Crofton | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**P62**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000215995**

| | | | |
|---|---|---|---|
| API #: | 0405900002 | Well #: | 7 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Q63**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216046**

| | | | |
|---|---|---|---|
| API #: | 0405907406 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Crofton | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**P64**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000215999**

| | | | |
|---|---|---|---|
| API #: | 0405900417 | Well #: | 24 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**O65**
**SW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000097646**

| | | | |
|---|---|---|---|
| API #: | 0405920468 | Well #: | 151-E |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**P66**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216088**

| | | | |
|---|---|---|---|
| API #: | 0405907448 | Well #: | 22 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lease by Industrial Development Associates | | |
| Field Name: | Sunset Beach (ABD) | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

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**P67**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216081**

| | | | |
|---|---|---|---|
| API #: | 0405907441 | Well #: | 8 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**R68**
**SW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101016**

| | | | |
|---|---|---|---|
| API #: | 0405902636 | Well #: | 161 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**69**
**SSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101014**

| | | | |
|---|---|---|---|
| API #: | 0405902634 | Well #: | 151 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**70**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101009**

| | | | |
|---|---|---|---|
| API #: | 0405902629 | Well #: | 132 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**R71**
**SW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101017**

| | | | |
|---|---|---|---|
| API #: | 0405902637 | Well #: | 161-A-1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Q72**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216007**

| | | | |
|---|---|---|---|
| API #: | 0405907366 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset Heights Community | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**S73**
**NE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000006170**

| | | | |
|---|---|---|---|
| API #: | 0405901105 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Lease Name: | Graham | Field Name: | Any Field |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Q74**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216055**

| | | | |
|---|---|---|---|
| API #: | 0405907415 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hill | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**T75**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216083**

| | | | |
|---|---|---|---|
| API #: | 0405907443 | Well #: | 11 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**T76**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216062**

| | | | |
|---|---|---|---|
| API #: | 0405907422 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**U77**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216008**

| | | | |
|---|---|---|---|
| API #: | 0405907367 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunset | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**78**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101018**

| | | | |
|---|---|---|---|
| API #: | 0405902638 | Well #: | 171 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**V79**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100955**

| | | | |
|---|---|---|---|
| API #: | 0405902575 | Well #: | 123 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**S80**
**NE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000006168**

| | | | |
|---|---|---|---|
| API #: | 0405901103 | Well #: | 1 |
| Well Status: | Idle | Well Type: | Oil & Gas |
| Lease Name: | Lease by Painted Hills Oil Ass'n | | |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | Not Reported |

Map ID
Direction
Distance

Database | EDR ID Number

**W81**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100686**

| | | | |
|---|---|---|---|
| API #: | 0405902298 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Algonquin | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U82**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216063**

| | | | |
|---|---|---|---|
| API #: | 0405907423 | Well #: | 4 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**T83**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216069**

| | | | |
|---|---|---|---|
| API #: | 0405907429 | Well #: | 10 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U84**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216014**

| | | | |
|---|---|---|---|
| API #: | 0405907373 | Well #: | 5 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**U85**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216013**

| | | | |
|---|---|---|---|
| API #: | 0405907372 | Well #: | 4 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U86**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216016**

| | | | |
|---|---|---|---|
| API #: | 0405907375 | Well #: | 7 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U87**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216012**

| | | | |
|---|---|---|---|
| API #: | 0405907371 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**X88**
**SSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101010**

| | | | |
|---|---|---|---|
| API #: | 0405902630 | Well #: | 141 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**U89**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216015**

| | | | |
|---|---|---|---|
| API #: | 0405907374 | Well #: | 6 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**U90**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216011**

| | | | |
|---|---|---|---|
| API #: | 0405907370 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**U91**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216010**

| | | | |
|---|---|---|---|
| API #: | 0405907369 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**W92**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101020**

| | | | |
|---|---|---|---|
| API #: | 0405902640 | Well #: | 182 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**W93**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100685**

| | | | |
|---|---|---|---|
| API #: | 0405902297 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Algonquin | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**W94**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101019**

| | | | |
|---|---|---|---|
| API #: | 0405902639 | Well #: | 181 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**W95**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000098875**

| | | | |
|---|---|---|---|
| API #: | 0405904028 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U96**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216056**

| | | | |
|---|---|---|---|
| API #: | 0405907416 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hill | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**X97**
**SSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101011**

| | | | |
|---|---|---|---|
| API #: | 0405902631 | Well #: | 141-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U98**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216064**

| | | | |
|---|---|---|---|
| API #: | 0405907424 | Well #: | 5 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**U99**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216057**

| | | | |
|---|---|---|---|
| API #: | 0405907417 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hill | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Y100**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100946**

| | | | |
|---|---|---|---|
| API #: | 0405902566 | Well #: | 113 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**Z101**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101008**

| | | | |
|---|---|---|---|
| API #: | 0405902628 | Well #: | 131-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**102**
**East**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000098691**

| | | | |
|---|---|---|---|
| API #: | 0405904462 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ruoff | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**U103**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216065**

| | | | |
|---|---|---|---|
| API #: | 0405907425 | Well #: | 6 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**W104**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100106**

| | | | |
|---|---|---|---|
| API #: | 0405903330 | Well #: | 9 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**105**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216082**

| | | | |
|---|---|---|---|
| API #: | 0405907442 | Well #: | 10 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Z106**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101007**

| | | | |
|---|---|---|---|
| API #: | 0405902627 | Well #: | 131-1 |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**107**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100107**

| | | | |
|---|---|---|---|
| API #: | 0405903331 | Well #: | 9-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AA108**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216058**

| | | | |
|---|---|---|---|
| API #: | 0405907418 | Well #: | 5 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hill | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**V109**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100953**

| | | | |
|---|---|---|---|
| API #: | 0405902573 | Well #: | 122-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**110**
**WSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000098874**

| | | | |
|---|---|---|---|
| API #: | 0405904027 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita-Sunset Community | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**111**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100939**

| | | | |
|---|---|---|---|
| API #: | 0405902559 | Well #: | 104 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AB112**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100954**

| | | | |
|---|---|---|---|
| API #: | 0405902574 | Well #: | 122-E |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AC113**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216071**

| | | | |
|---|---|---|---|
| API #: | 0405907431 | Well #: | 12 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AB114**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100952**

| | | | |
|---|---|---|---|
| API #: | 0405902572 | Well #: | 122 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**Y115**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100947**

| | | | |
|---|---|---|---|
| API #: | 0405902567 | Well #: | 113-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AA116**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216059**

| | | | |
|---|---|---|---|
| API #: | 0405907419 | Well #: | 6 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Hill | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

| | Database | EDR ID Number |
|---|---|---|
| **AC117**<br>**NW**<br>**1/2 - 1 Mile** | **OIL_GAS** | **CAOG14000216068** |

| | | | |
|---|---|---|---|
| API #: | 0405907428 | Well #: | 9 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| | | |
|---|---|---|
| **118**<br>**NW**<br>**1/2 - 1 Mile** | **OIL_GAS** | **CAOG14000216094** |

| | | | |
|---|---|---|---|
| API #: | 0405907454 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | L.T.M. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| | | |
|---|---|---|
| **AB119**<br>**South**<br>**1/2 - 1 Mile** | **OIL_GAS** | **CAOG14000097637** |

| | | | |
|---|---|---|---|
| API #: | 0405920513 | Well #: | 121-H |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| | | |
|---|---|---|
| **AA120**<br>**NW**<br>**1/2 - 1 Mile** | **OIL_GAS** | **CAOG14000216093** |

| | | | |
|---|---|---|---|
| API #: | 0405907453 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Clodfelter | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AA121**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216066**

| | | | |
|---|---|---|---|
| API #: | 0405907426 | Well #: | 7 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AA122**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216092**

| | | | |
|---|---|---|---|
| API #: | 0405907452 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Mcivor | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AC123**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216070**

| | | | |
|---|---|---|---|
| API #: | 0405907430 | Well #: | 11 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AD124**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216079**

| | | | |
|---|---|---|---|
| API #: | 0405907439 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**125**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101006**

| | | | |
|---|---|---|---|
| API #: | 0405902626 | Well #: | 130A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AA126**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216023**

| | | | |
|---|---|---|---|
| API #: | 0405907382 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Phelps-Hazeltine | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AE127**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100944**

| | | | |
|---|---|---|---|
| API #: | 0405902564 | Well #: | 112 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AD128**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216060**

| | | | |
|---|---|---|---|
| API #: | 0405907420 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**AF129**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216072**

| | | | |
|---|---|---|---|
| API #: | 0405907432 | Well #: | A-1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AG130**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216067**

| | | | |
|---|---|---|---|
| API #: | 0405907427 | Well #: | 8 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**131**
**SW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100116**

| | | | |
|---|---|---|---|
| API #: | 0405903340 | Well #: | 18 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**132**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216020**

| | | | |
|---|---|---|---|
| API #: | 0405907379 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Phelps | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AH133**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100950**

| | | | |
|---|---|---|---|
| API #: | 0405902570 | Well #: | 121-A |
| Well Status: | Idle | Well Type: | Waterflood |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AI134**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100938**

| | | | |
|---|---|---|---|
| API #: | 0405902558 | Well #: | 103-A |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**135**
**SSW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101087**

| | | | |
|---|---|---|---|
| API #: | 0405902709 | Well #: | S-141 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | South Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AH136**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100951**

| | | | |
|---|---|---|---|
| API #: | 0405902571 | Well #: | 121-E |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AI137**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100937**

| | | | |
|---|---|---|---|
| API #: | 0405902557 | Well #: | 103 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**138**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101004**

| | | | |
|---|---|---|---|
| API #: | 0405902624 | Well #: | 94 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AG139**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216022**

| | | | |
|---|---|---|---|
| API #: | 0405907381 | Well #: | 3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Phelps | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AG140**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216021**

| | | | |
|---|---|---|---|
| API #: | 0405907380 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Phelps | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**AE141**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100945**

| | | | |
|---|---|---|---|
| API #: | 0405902565 | Well #: | 112A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AJ142**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216084**

| | | | |
|---|---|---|---|
| API #: | 0405907444 | Well #: | 18 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**AH143**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100949**

| | | | |
|---|---|---|---|
| API #: | 0405902569 | Well #: | 121 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AF144**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216077**

| | | | |
|---|---|---|---|
| API #: | 0405907437 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AJ145**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216078**

| | | | |
|---|---|---|---|
| API #: | 0405907438 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Ramser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**146**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216061**

| | | | |
|---|---|---|---|
| API #: | 0405907421 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AE147**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000097648**

| | | | |
|---|---|---|---|
| API #: | 0405920474 | Well #: | 111-E-1 |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

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**AH148**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000097688**

| | | | |
|---|---|---|---|
| API #: | 0405921250 | Well #: | 111-G |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AE149**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100936**

| | | | |
|---|---|---|---|
| API #: | 0405902556 | Well #: | 102-M |
| Well Status: | Active | Well Type: | Waterflood |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**150**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000098873**

| | | | |
|---|---|---|---|
| API #: | 0405904026 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AF151**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216074**

| | | | |
|---|---|---|---|
| API #: | 0405907434 | Well #: | A-4 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**152**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216073**

| | | | |
|---|---|---|---|
| API #: | 0405907433 | Well #: | A-3 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Lomita | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AK153**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100942**

| | | | |
|---|---|---|---|
| API #: | 0405902562 | Well #: | 111 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**154**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100948**

| | | | |
|---|---|---|---|
| API #: | 0405902568 | Well #: | 120 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AL155**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216044**

| | | | |
|---|---|---|---|
| API #: | 0405907404 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Aston | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**156**
**SW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100121**

| | | | |
|---|---|---|---|
| API #: | 0405903345 | Well #: | 23 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**157**
**NNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216041**

| | | | |
|---|---|---|---|
| API #: | 0405907401 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Sunrise | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AL158**
**West**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216043**

| | | | |
|---|---|---|---|
| API #: | 0405907403 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Aston | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AK159**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100943**

| | | | |
|---|---|---|---|
| API #: | 0405902563 | Well #: | 111-A |
| Well Status: | Idle | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AM160**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101002**

| | | | |
|---|---|---|---|
| API #: | 0405902622 | Well #: | 93 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AN161**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100933**

| | | | |
|---|---|---|---|
| API #: | 0405902553 | Well #: | 102 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**162**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216053**

| | | | |
|---|---|---|---|
| API #: | 0405907413 | Well #: | R1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | F.A.F. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**163**
**WNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216003**

| | | | |
|---|---|---|---|
| API #: | 0405907362 | Well #: | R-8 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | F.A.F. | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AO164**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100995**

| | | | |
|---|---|---|---|
| API #: | 0405902615 | Well #: | 85 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**AN165**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100934**

| | | | |
|---|---|---|---|
| API #: | 0405902554 | Well #: | 102-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AN166**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000097808**

| | | | |
|---|---|---|---|
| API #: | 0405921245 | Well #: | 102-W |
| Well Status: | Idle | Well Type: | Waterflood |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | North | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**AN167**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100935**

| | | | |
|---|---|---|---|
| API #: | 0405902555 | Well #: | 102-E |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**AN168**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000097647**

| | | | |
|---|---|---|---|
| API #: | 0405920473 | Well #: | 101-H |
| Well Status: | Active | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AM169**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101003**

| | | | |
|---|---|---|---|
| API #: | 0405902623 | Well #: | 93-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AK170**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100941**

| | | | |
|---|---|---|---|
| API #: | 0405902561 | Well #: | 110A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**171**
**NNW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216033**

| | | | |
|---|---|---|---|
| API #: | 0405907392 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Wilson | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**AO172**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100994**

| | | | |
|---|---|---|---|
| API #: | 0405902614 | Well #: | 84-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**173**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216039**

| | | | |
|---|---|---|---|
| API #: | 0405907399 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Phelps | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**174**
**NW**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000216000**

| | | | |
|---|---|---|---|
| API #: | 0405907359 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | Albercalif-Houser | Field Name: | Sunset Beach (ABD) |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**175**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101000**

| | | | |
|---|---|---|---|
| API #: | 0405902620 | Well #: | 92 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

---

**176**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101079**

| | | | |
|---|---|---|---|
| API #: | 0405902701 | Well #: | S-121-I |
| Well Status: | Plugged | Well Type: | Multi-Purpose |
| Lease Name: | South Bolsa | Field Name: | Huntington Beach |
| Area Name: | South Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

Map ID
Direction
Distance

Database | EDR ID Number

**AP177**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100931**

| | | | |
|---|---|---|---|
| API #: | 0405902551 | Well #: | 101 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | Y |
| Spud Date: | Not Reported | | |

---

**178**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100940**

| | | | |
|---|---|---|---|
| API #: | 0405902560 | Well #: | 110 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**179**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100993**

| | | | |
|---|---|---|---|
| API #: | 0405902613 | Well #: | 84 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**180**
**SE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100985**

| | | | |
|---|---|---|---|
| API #: | 0405902605 | Well #: | 75 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Any Area | GIS Source: | hud |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

| Map ID<br>Direction<br>Distance | Database | EDR ID Number |
|---|---|---|

**AP181**
**SSE**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000100932**

| | | | |
|---|---|---|---|
| API #: | 0405902552 | Well #: | 101-A |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | North Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

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**182**
**South**
**1/2 - 1 Mile**

**OIL_GAS** **CAOG14000101084**

| | | | |
|---|---|---|---|
| API #: | 0405902706 | Well #: | S-132 |
| Well Status: | Plugged | Well Type: | Oil & Gas |
| Lease Name: | South Bolsa | Field Name: | Huntington Beach |
| Area Name: | Onshore | GIS Source: | GPS |
| Confidential Well: | N | Directionally Drilled: | N |
| Spud Date: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---|---|---|
| 92649 | 48 | 2 |

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

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Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 0.763 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | Not Reported | Not Reported | Not Reported | Not Reported |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**STREET AND ADDRESS INFORMATION**

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# APPENDIX E
# CREDENTIALS

# Jennifer S. Van

**Project Manager**

## PROFESSIONAL EXPERIENCE

Ms. Van is an Environmental Group Manager in Terracon's Orange County, California Office. She has over seven years of experience in Environmental Services; Phase I Environmental Site Assessments (ESAs), Limited Subsurface Investigations (LSIs), Spill Prevention, Control and Countermeasure Plans, Radon Measurement Provider. In addition, Ms. Van has some experience with regulatory compliance. Ms. Van assists with client and team management.

## PROJECT EXPERIENCE

**Environmental Site Assessment (ESAs):**

Performed and managed hundreds of ESAs in California and several in Hawaii and Alaska for industrial, commercial, residential, and agricultural properties. Managed long-term national accounts for financial institutions (equity and loan portfolios), real estate investment trusts, developers and other real property owners. Understands facility operating systems; state and federal regulations; and fate and transport of chemicals through air, soil, vapor, surface water and groundwater. Is experienced in the performance of ESAs under the All Appropriate Inquiry rules (ASTM 1527-13), and meets the requirements of an Environmental Professional as defined in Section 312.10 of 40 CFR 312.

**Radon Assessments**

Performed and managed over 10 radon assessments including commercial and residential in California.

**Limited Subsurface Investigations (LSIs):**

Performed and managed over 10 LSI's in California. Investigated environmental conditions in soils and groundwater as a result of releases from a variety of sources, including service stations, dry cleaners, and a wide range of industrial and manufacturing operations. Specialized in collection and interpretation of data.

**Spill Prevention, Control And Countermeasure Plans (SPCCs)**

Ms. Van has experience with federal and state requirements for Spill Prevention, Control and Countermeasure Plans for Tier I and II qualified facilities.

### EDUCATION

Bachelor of Science,
Environmental Sciences: Natural Sciences.
Minor: Business Administration
University of California Riverside, California, 2011.

Masters: Environmental Engineering
California State University, Fullerton, 2018

### CERTIFICATIONS

24-Hour AHERA Asbestos Abatement Building Inspector
40-Hour OSHA HAZWOPER
National Radon Proficiency Program Residential Measurement Provider

### WORK HISTORY

Terracon Consultants, Inc. (Tustin, CA). Environmental Group Manager
February 2018 to Present

Terracon Consultants, Inc. (Irvine, CA). Senior Staff Scientist
2014 to February 2018

Terracon Consultants, Inc. (Irvine, CA). Staff Scientist
August 2011 to 2014

**Regulatory Compliance, Buena Park and Tipton, California**
Project Manager for two regulatory compliance projects in Buena Park and Tipton, California, which included refrigeration and multiple dairy facilities.

**Military Base Phase I ESAs and Soil Management Plans – San Diego County, California**
Project Manager of ESAs and SMPs of over 100 sites for proposed telecommunication small cell locations within naval bases located within the San Diego County. Findings of the ESAs were utilized in creation of the SMPs, which was implemented at the installation of telecommunications utilities on the various bases.

**Automotive Body Shop Portfolio, California**
Portfolio assistant manager of environmental consulting services including Phase I ESA. The purpose of the services were to assist a client with a large acquisition of properties.

# Islam (Sami) R. Noaman, EIT

**Senior Associate / Senior Project Manager**

## PROFESSIONAL EXPERIENCE

Mr. Noaman is an Environmental Department Manager with track record in client management, management of phases of environmental site assessments (ESAs), industrial hygiene services, business environmental risk reviews, site characterizations, regulatory compliance services, and remedial investigation. He possesses excellent analytical, problem solving, advisory, and team management skills.

## PROJECT EXPERIENCE

**Stormwater Prevention and Pollution Control Plan (SWPPP):**
Managed SWPPP for numerous industrial sites in Southern California. Scope of the work typically included client and agency coordination, implementation of guidelines required by the state of California Water Resources Board (SWRB), and preparation of documentations for submittals to the SWRB. In addition, I have managed several limited regulatory compliance projects (annual submittals and Level 1 ERA reporting) for industrial stormwater, to achieve compliance in accordance with the NPDES general permit requirements.

**Limited Subsurface Investigations (LSIs):**
Performed and managed hundreds of LSIs in California, New Jersey, and New York. Investigated environmental conditions in soils and groundwater as a result of releases from a variety of sources, including service stations, dry cleaners, and a wide range of industrial and manufacturing operations. Specialized in collection and interpretation of data to pursue closure through state and federal programs including Los Angeles County Site Mitigation Unit, the California Regional Water Quality Control Board, and the Department Of Toxic Substances Control Voluntary Cleanup Programs (VCP).

**Hazardous Materials Surveys:**
Mr. Noaman is the Industrial Hygiene Manager in the Orange County, California office. He managed numerous hazardous materials surveys in the state of california including, but not limited to, asbestos, lead in paint, mold, pcbs, and mercury-containing equipment.

### EDUCATION

Bachelor of Science, Chemistry/Environmental Chemistry, 2002, City University of New York, City College of New York

Pursuing Masters in Environmental Engineering (California State University Fullerton-expected graduation date Fall 2020)

### CERTIFICATIONS

Certified Engineer In Training (CA) Certification No. EIT 171371
40-Hour OSHA Hazardous Waste Operations & Emergency Response Training Course

### WORK HISTORY

Terracon Consultants, Inc. (Irvine, CA), Environmental Group/Department Manager, June 2012 to Present

Smith Emery GeoServices (SEG), (Los Angeles, CA), Project Engineer, August 2008 to June 2012

KLK Environmental Group LLC. (Kearny, NJ). Environmental Scientist -August 2003 to June 2008

UniChem Inc. (Kearny, NJ). Staff Environmental Chemist - August 2002 to June 2003

## Islam (Sami) R. Noaman, EIT (continued)

**Major Department Store Commercial Retail Portfolio:**
Environmental team lead for evaluating environmental site conditions and due diligence review, including overseeing Phase I Environmental Site Assessments and Phase II Environmental Site Investigations for over thirty retail facilities with automotive maintenance across California. Findings from subsurface investigations were used to support regulatory closure of select facilities to facilitate a real estate transaction across the United States.

**Industrial Facility – Land-use Change/Private School, Los Angeles, CA:**
Environmental consulting services including Phase I Environmental Site Assessments (ESA) due diligence support, subsurface investigation activities to evaluate environmental media including soil, soil gas and indoor / outdoor air. Services included a land-use change from an industrial facility to a private school. Prepared environmental investigation reports, regulatory interaction, corrective action design for indoor air mitigation, and work plan for management of environmental media.

**Retail Shopping Center – Former Dry Cleaners Facility – DTSC, Fremont, CA:**
Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility, including an evaluation of groundwater, soil, soil-gas and indoor vapors as a result of a chlorinated solvent plume. Project responsibilities consisted of direct support and interaction with client, client legal team and DTSC representatives to manage the closure process, including the preparation of work plans and environmental investigation reports, risk-based human health evaluation, and response actions.

**Underground Storage Tank Assessment and Monitoring – West Los Angeles, CA:**
Assisted property owner with the regulatory closure of former underground storage tank (UST) site located in West Los Angeles, California. The project scope included historical research of past site use and site characterization, including soil, groundwater and soil gas assessments, followed by groundwater monitoring until closure was achieved.

**Automated Fuel Dispensing Facilities – Camp Pendleton, California:**
Project scope included environmental and geotechnical investigations at six fueling existing/proposed facilities within Camp Pendleton, California. The project consisted of construction of new buildings, canopies, pavements, retaining walls, slopes, and installation of underground storage tanks (USTs), and other site facilities. Served as the environmental group leader.

**Emerson College, Hollywood, California:**
Conducted comprehensive investigation and assisted the client through enrolling and interacting with the LAFD regarding USTs found during construction activities. Provided construction management oversight to manage impacted soils and assisted the client in waste disposition, permitting and regulatory compliance interaction. A total of 45,000 cubic yards of soil was removed from the site and disposed at an off-site facility, prior to the construction of a mid-rise school complex. Support services allowed for significant savings in construction, on an expedited timeline in concert with the construction schedule.

**Los Angeles Unified School District (LAUSD Sites):**
Managed soil characterization for export/import soils for over nine Los Angeles Unified School District (LAUSD) sites. Prepared Sample Strategy Plans (SSP) for stockpiled and in-place soils, oversaw the sampling, and prepared soil certification reports under the supervision of a professional geologist for submittal to the LAUSD Office of Environmental Health.

## Islam (Sami) R. Noaman, EIT (continued)

**Newton Plastics, Newton, NJ:**

Managed the removal of two 12,000-gallon (solvents & gasoline containing) USTs from a plastic products manufacturing facility as a part of transaction deal. Project tasks included, work plan preparation, regulatory officials interface, client contact/coordination, oversight of removal activities, and report preparation. No further action letter from NJDEP was obtained for the client. The property value was retained for the client with our consulting services.

**Eagle Electric, Queens, NY:**

Responsibilities were to manage the cleanup of former Coal storage rooms in basement of a landmark building in Queens, NY. The cleanup activities included, hauling of approximately 425 tons of Class N-1 Hazardous materials, managed and ensured safety of eight to twelve crew, handling of waste manifests, and coordination for transportation / disposal and client interface.

**AROL Chemicals, Newark, NJ:**

Managed Phase I and Phase II ESA of chemical manufacturing facility. Scope of Phase II ESA included, the removal of three 12,000-gallon USTs, excavation and disposal of impacted soils.

**KeySpan Energy, NY:**

Responsibilities include inspection and maintenance of client boilers and tanks systems. Objectives were to prevent scaling/rusting in the boiler systems resulting from the plant operations to maintain operations efficiency. Goals were achieved for the client by developing environmentally friendly chemical reagents (pH controlled) to mitigate the concerns at the plant, boilers maintenance issues were resolved and steady business was created for the company.

**The HACH Company, OH:**

Implementing unique techniques producing Ferrozine - Iron- reagent for determining trace levels of iron in chemical reagents and glycols. Ferrozine can also be used to analyze samples containing magnetite (black iron oxide) or ferrites.

**KIWA of The Netherlands:**

Research and development of new synthetic methods of alkali Ferrates including, Potassium, Sodium, and Barium ferrates, an environmentally friendly oxidative reagents used in wastewater treatment for municipal and industrial facilities.

# BRIAN CAREY, PG.

## SENIOR GEOLOGIST, ENVIRONMENTAL DEPARTMENT

## PROFESSIONAL EXPERIENCE

Brian P. Carey has managed various soil/groundwater investigation projects and portfolios, ranging from small gas stations to regional, active bulk-fuel terminals. This work involved detailed management of hazardous waste generation, disposal, and various waste streams to keep clients in regulatory compliance. He has extensive training in health and safety compliance regarding hazardous materials handling, generation, disposal, and permitting compliance.

## PROJECT EXPERIENCE

***Oil & Gas***

Environmental Due Diligence – Major Oil merger, Western United States. Program Manager for Real Property Portfolio disposal resulting from the merger of real property assets in California, Washington, Oregon, Arizona, Utah and Nevada. Managed multiple concurrent Phase I and Phase II *Environmental Site Assessments* (ESAs) with staff in multiple locations to meet stringent deadlines with the 3rd party real property managers to support purchase and sale agreements.

Performance-Based Remediation and Site Closure - Western United States. Senior Geologist for Performance-Based Site Closure Portfolio in Northern California. Managed multiple concurrent remedial systems operations & maintenance (O&M), low-threat/risk closure petitions, groundwater monitoring program, monitored natural attenuation (MNA) projects for light non-aqueous phase liquids (LNAPL), and soil and groundwater impacted by petroleum hydrocarbons and methyl-tert butyl ether (MTBE) and related oxygenates.

Site Investigation – Bulk Plant/Tank Farm, Richmond, California. Project Manager for site investigation of MTBE impacts under consent decree by the California Regional Water Quality Control Board, Central Valley Region.

Remediation System Design, Installation, and Operations & Maintenance – Multiple locations, northern and central California. Portfolio Manager for remedial systems including soil vapor extraction (SVE), dual-phase and multi-phase (DP/MPE) extraction, groundwater pumping wells, and LNAPL collection. Treatment systems included granular activated carbon (GAC), air stripping, and vapor phase controls. Performed pump tests, vapor source/influence tests and other feasibility studies.

Retail Petroleum Site Investigation and Remediation – Northern California. Portfolio Manager, multiple locations. Managed the soil investigation and remediation system O&M at multiple retail petroleum station and bulk fuel terminals impacted by petroleum hydrocarbons and MTBE and related oxygenates.

### Education

*Bachelors - Geology, California State University Sacramento, 1997*

### Registrations

*California Professional Geologist # 7820, Expires January 2020*

### Certifications

*HAZWOPER (40-hour, Supervisor, 8-hour),*
*Expires December 2018*

### Work History

*Terracon Consultants, Inc.*
*Senior Geologist, December 2018-Present*

*Carey Environmental*
*Owner/Principal, April 2013-November 2018*

*Sivuniq, Inc*
*Senior Geologist, July 2011 – November 2012*

*Malama Environmental*
*Senior Geologist, September 2009 – June 2011*

*Conestoga Rovers and Associates*
*Senior Geologist, April 2007 – August 2009*

*SECOR International, Inc.*
*Associate Geologist, August 2000-April 2007*

*Anderson Consulting Group*
*Staff Geologist, July 1997 – August 2000*

***Stormwater***

Compliance Support – Hawaiian Cement, Wailuku, Maui, Hawaii. Program Manager, monitoring stream locations to ensure compliance with environmental conditions in permit for widening of a bridge roadway over Iao Stream. Project manager for NPDES compliance, runoff and ocean discharge from former agricultural fields on the Island of Kauai.
Technical Support – Field investigations and author of SPCCPs and SWPCPs for the State of Hawaii Department of Transportation.

***Federal Services***

United States Army, Kwajalein Atoll - Project Manager for Kwajalein Tank Farm, an active bulk fuel terminal, and Roi Drinking Water Well 8151, a contaminated freshwater drinking water supply well on Roi-Namur Island, Kwajalein Atoll, Republic of Marshall Islands. Successful implementation of a 50-well monitoring and remediation well network and remediation pilot test on a remote international island nation. Technical support on atoll-wide site investigations for oil and gas and PCBs in buildings and storm drains.

***Landfill***

Central Maui Landfill, Maui, Hawaii - Managed the safe monthly monitoring and annual sampling of 47 landfill gas wells to meet EPA compliance, and weekly monitoring and maintenance of a landfill gas flare unit. Technical support to identify asbestos-containing materials during the installation of boreholes in landfill waste.

# APPENDIX F
# DESCRIPTION OF TERMS AND ACRONYMS

## Description of Selected General Terms and Acronyms

| Term/Acronym | Description |
|---|---|
| ACM | Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).<br><br>Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.<br><br>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply. |
| AHERA | Asbestos Hazard Emergency Response Act |
| AST | Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location. |
| BGS | Below Ground Surface |
| Brownfields | State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments. |
| BTEX | Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release. |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs. |
| CERCLIS | Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103. |
| CESQG | Conditionally Exempt Small Quantity Generators |
| CFR | Code of Federal Regulations |

## Description of Selected General Terms and Acronyms

| Term/Acronym | Description |
|---|---|
| CREC | Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report." |
| DOT | U.S. Department of Transportation |
| EPA | U.S. Environmental Protection Agency |
| ERNS | Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center. |
| ESA | Environmental Site Assessment |
| FRP | Fiberglass Reinforced Plastic |
| Hazardous Substance | As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). |
| Hazardous Waste | This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed." |
| HREC | Historical Recognized Environmental Condition is defined in ASTM E1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition." |

## Description of Selected General Terms and Acronyms

| Term/Acronym | Description |
|---|---|
| IC/EC | A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. |
| ILP | Innocent Landowner/Operator Program |
| LQG | Large Quantity Generators |
| LUST | Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term. |
| MCL | Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment. |
| MSDS | Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard. |
| NESHAP | National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants. |
| NFRAP | Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report. |
| NOV | Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified. |
| NPDES | National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water. |
| NPL | The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program. |
| OSHA | Occupational Safety and Health Administration or Occupational Safety and Health Act |
| PACM | Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos. |
| PCB | Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today. |
| pCi/L | picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials. |
| PLM | Polarized Light Microscopy (see ACM section of the report, if included in the scope of services) |
| PST | Petroleum Storage Tank. An AST or UST that contains a petroleum product. |

## Description of Selected General Terms and Acronyms

| Term/Acronym | Description |
|---|---|
| Radon | A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l. |
| RCRA | Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave"). 42 U.S.C. 6901 et seq. |
| RCRA Generators | The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste. |
| RCRA CORRACTS/TSDs | The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility. |
| RCRA Non-CORRACTS/TSDs | The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required. |
| RCRA Violators List | RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance. |
| RCRIS | Resource Conservation and Recovery Information System, as defined in the Records Review section of this report. |
| REC | Recognized Environmental Conditions are defined by ASTM E1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. De minimis conditions are not recognized environmental conditions." |
| SCL | State "CERCLIS" List (see SPL /State Priority List, below). |
| SPCC | Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements. |
| SPL | State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List. |
| SQG | Small Quantity Generator |
| SWF/LF | State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner. |
| TPH | Total Petroleum Hydrocarbons |
| TRI | Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act. |

## Description of Selected General Terms and Acronyms

| Term/Acronym | Description |
|---|---|
| TSCA | Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq. |
| USACE | United States Army Corps of Engineers |
| USC | United States Code |
| USGS | United States Geological Survey |
| USNRCS | United States Department of Agriculture-Natural Resource Conservation Service |
| UST | Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried). |
| VCP | State and/or Tribal facilities included as Voluntary Cleanup Program sites. |
| VOC | Volatile Organic Compound |
| Wetlands | Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.<br><br>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination. |

# APPENDIX C

# LIMITED SITE INVESTIGATION
# (June 2021)

# LIMITED SITE INVESTIGATION

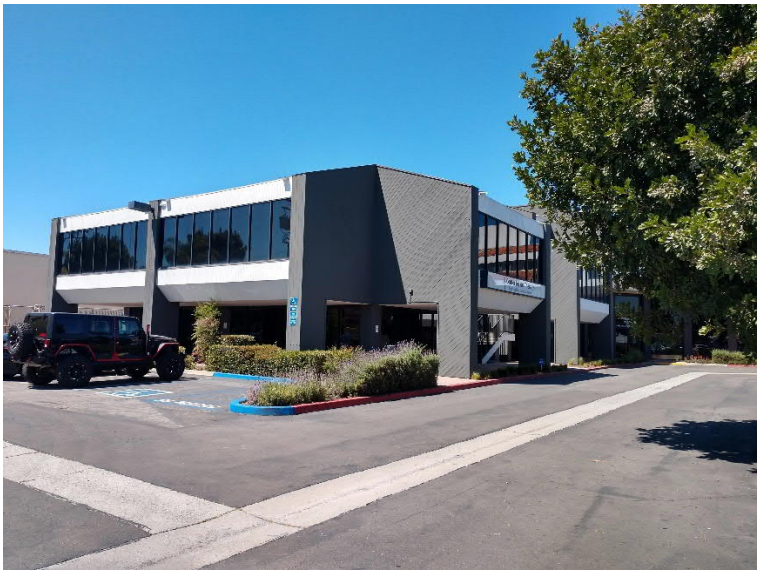
**Proposed Senior Living Development - HB**

**4952 and 4972 Warner Avenue**

**Huntington Beach, Orange County, California 92647**

**June 1, 2021**

Terracon Project No. 60207228



**Prepared for:**
Hines Interest LP
Newport Beach, California

**Prepared by:**
Terracon Consultants, Inc.
Tustin, California

Offices Nationwide
Employee-Owned
Established in 1965
terracon.com
Terracon
Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

June 1, 2021

Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

Attn: Mr. Tom Lawless
P: (949) 313-2213
E: tom.lawless@hines.com

Re: Limited Site Investigation and Regulatory Agency Interaction
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

Dear Mr. Lawless:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Limited Site Investigation (LSI) report for the above referenced site. This investigation was performed in accordance with Terracon's *Proposal for Limited Site Investigation and Regulatory Agency Interaction* dated April 20, 2021 (Terracon's Proposal Number P60217228).

We appreciate the opportunity to perform these services for Hines Interests LP. Please contact Fabio Minervini at (949) 261.0051 if you have questions regarding the information provided in the report.

Sincerely,
**Terracon Consultants, Inc.**

Prepared by:

**DRAFT**

Jose Marin
Assistant Geologist

Reviewed by:

**DRAFT**

Joseph T. Yang, P.E.
Senior Project Manager

**DRAFT**

Fabio M. Minervini, P.G.
Environmental Department Manager

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**LIMITED SITE INVESTIGATION REPORT**
**PROPOSED SENIOR LIVING DEVELOPMENT - HB**
**4952 AND 4972 WARNER AVENUE**
**HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA 92647**
**Terracon Project No. 60217228**
**June 1, 2021**

# 1.0 INTRODUCTION

## 1.1 Site Description

The property is located at 4952 and 4972 Warner Avenue in Huntington Beach, Orange County, California, Orange County, California (Assessor Parcel Numbers [APNs] 163-281-01 and 163-281-02, the site); and consists of two contiguous parcels totaling approximately 2.80 acres. The site is improved with two buildings: an approximately 7,285-square-foot (SF) two-story multi-tenant retail building on the northeastern portion of the site and an approximately 47,488-SF three-story multi-tenant office building located on the western and southern portions of the site. Other site improvements include asphalt-paved parking lot, landscaped areas, and utilities. The 4972 Warner Avenue building is occupied by The OC Spa and Wellness Center, Electric Jiu Jitsu, Little Caesars, The Colour Attic and Kim R. Goyle CPA. The 4952 Warner Avenue building was occupied by multi-tenant offices; insurance, travel agency, accounting, brokerage, attorneys, therapists, marketing, engineering, and finances. Operations on-site consist of general administration, restaurant, beauty, and recreational. A topographic map and site diagram are included as Exhibits 1 and 2 of Appendix A, respectively.

## 1.2 Site Background and Objective

The scope of work conducted at your request, was to assess potential environmental impacts that may be present as a result of the below-listed recognized environmental conditions (RECs) and controlled REC (CREC) identified in Terracon's *Phase I Environmental Site Assessment* (Phase I ESA) report, draft dated April 2, 2021 (Terracon Project No. 60217144).

- **On-site former service station (4972 Warner Avenue) represents a CREC -** Based on the exceedances in soil and groundwater above the applicable current screening levels and the reported regulatory closed LUST[1] status.
- **Potential for Vapor Intrusion associated with on-site former service station (4972 Warner Avenue) represents a REC -** Due to changes in the soil vapor and indoor air screening levels since closure was obtained for the former service station and based on absence of soil vapor investigation.

[1] *Leaking Underground Storage Tank*

- **Off-site former Lewis Cleaners (4945 Warner Avenue) represents a REC -** Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, facility's duration of operations (~25 years) and operations identified to utilize PCE[2] as a dry-cleaning solvent.

Based on the aforementioned RECs and at the client's request, Terracon proposed conducting a limited site investigation (LSI) to evaluate subsurface conditions associated with the identified RECs and client's concerns. The LSI scope of work was conducted in accordance with Terracon's *Proposal for Limited Site Investigation*, dated April 20, 2021 (Terracon's Proposal Number P60217228).

Terracon understands that the site buildings will be demolished, and the proposed future development will include the construction of a new five-story senior living facility, which will include a 1-level subterranean parking garage extending beneath the footprint of the proposed living facility/onsite building(s).

## 1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-97.

## 1.4 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

[2] *Tetrachloroethene*

### 1.5 Reliance

This report has been prepared for the exclusive use of Hines Interests LP (client) and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Hines Interest LP and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, LSI report, and Terracon's Proposal Number P60217228, dated April 20, 2021. The limitation of liability defined in the proposal is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

## 2.0 FIELD ACTIVITIES

Terracon's field activities were conducted on May 05, 2021, by an environmental professional under the oversight of a California-licensed Professional Geologist (P.G.) with Terracon. A site-specific health and safety plan was followed by Terracon during field activities for all phases of this investigation.

### 2.1 Pre-Mobilization

Prior to drilling activities, the soil boring locations were marked and Underground Service Alert (Dig Alert Ticket No: B211190404-00B) service was requested by Terracon personnel for clearance of public underground utilities.

In addition, a Well Construction Permit (drilling permit) was obtained from the Orange County Health Care Agency (OCHCA), Environmental Health Division, to conduct drilling and sampling activities at the site. A copy of the drilling permit (Permit No. 21-05-03) is provided in Appendix B.

### 2.2 Geophysical Survey

To further evaluate the underground utilities at the site, a geophysical survey was performed in the vicinity of each of the boring locations where mechanical drilling was to be performed. The geophysical survey was performed by SoCal Locators before drilling commenced on May 5, 2021.

### 2.3 Soil Borings Advancement

Per the approved scope of work, on May 5, 2021, 11 soil borings (VP-1 through VP-10 and B-11) were advanced to a depth of approximately 15 feet below grade surface (bgs) for collection of soil samples. In addition, soil borings VP-1 through VP-10 were converted into vapor probes for collection of soil gas samples. Soil borings VP-10 and B-11 were advanced in the asphalt paved parking lot of the 4972 Warner Avenue parcel, in the approximate area of the former underground storage tanks (USTs). The approximate boring locations are shown on Exhibit 2 of Appendix A.

### 2.3.1 Soil Boring Advancement and Soil Sampling

Drilling services were performed by Strongarm Environmental Field Services, Inc. (Strongarm), a State-of-California C-57 licensed driller, using a truck-mounted direct-push technology (DPT) drill rig, under the supervision of a Terracon environmental professional and the oversight of a California-licensed P.G. Soil samples were collected using single-use acetate sleeves. Drilling and sampling equipment were cleaned using an Alconox® wash and potable water rinse prior to the beginning of the project and before collecting each soil sample.

Soil samples were collected continuously and observed to document soil lithology, color, moisture content, and sensory evidence of impairment. The soil samples were field-screened using a photoionization detector (PID – miniRAE) to indicate the presence of total organic vapors (TOV). Staining, odors, or PID readings above background level of 1.0 part per million by volume (ppmv) were not recorded in the soil samples collected from the borings. The PID readings were recorded on the soil boring logs provided in Appendix C.

The general lithology of materials encountered during sample collection consisted of silt, silty clay, and clay from surface to a depth ranging between approximately 9 and 12 feet bgs, underlain by poorly graded sand to the maximum depth explored of 15 feet bgs. Detailed lithologic descriptions are presented on the soil boring logs provided in Appendix C.

## 2.4 Vapor Probes installation

In accordance with the approved scope of work, to evaluate the soil gas conditions beneath the site, on May 5, 2021, Strongarm completed 10 shallow soil borings (VP-1 through VP-10) as vapor probes set at a depth of approximately 15 feet for the collection of soil gas samples. Vapor probe locations are shown on Exhibit 2 of Appendix A.

Terracon's vapor probe installation and soil gas sampling were conducted in general accordance of the California Environmental Protection Agency (Cal-EPA), Department of Toxic Substance Control (DTSC), and the Los Angeles Regional Water Quality Control Board (LA-RWQCB) and the San Francisco Bay RWQCB (SFB-RWQCB) guidance document *Advisory - Active Soil Gas Investigations*, dated July 2015 (the Advisory Guidelines); CAL-EPA/DTSC, July 2015), as described below:

- At the vapor probe location, a ½-inch diameter probe tip approximately 1-inch long was installed at the target depth of 15 feet bgs. The probe tip was designed to be placed approximately halfway through a 1-foot sand pack extending from ½-foot above to ½-foot below the probe tip. Therefore, approximately ½-foot of sand was added to the soil boring prior to installing the probe tip.
- The sampling line connected to the probe tip was comprised of new dedicated 0.25-inch outer-diameter Nylaflow ® tubing cut to length leaving approximately one foot of tubing extending from the surface at each probe. A gas tight three-way in-line check valve was

fitted to the up-hole end of the tubing to prevent ambient air from infiltrating the probe installation through the sample line. The sample tubing was marked at the ground surface to indicate the probe location, depth, and time of installation.

- Approximately ½-foot of sand was added after the installation of the probe tip to create a 1-foot sand pack surrounding the probe tip at the bottom of the boring. Approximately 1-foot of dry granular bentonite chips were used to fill the borehole annular space around the Nylaflow ® sampling line, from the top of the sand pack to approximately 3.0 feet below grade. Hydrated granular bentonite chips were added from the top of the dry granular bentonite chips to the surface. Sufficient water was added to hydrate the bentonite to ensure proper sealing, and care used in placement of the bentonite to prevent post-emplacement expansion which might compromise the probe seal.

## 2.5 Soil Gas Sampling Procedure

Soil gas sampling was performed a minimum of 2 hours following installation of the vapor probes to allow subsurface conditions to equilibrate and for the bentonite to properly hydrate and provide a seal in the 15-foot vapor probes. Terracon's soil gas sampling program was conducted in general accordance with the Advisory Guidelines (CAL-EPA/DTSC, July 2015), using the following procedures:

- Prior to purging or sampling of each vapor probe, a shut-in test was conducted to check for leaks in the above-ground sampling system. The test was conducted by assembling the above-ground valves, lines, and fittings downstream from the top of the probe Nylaflow® tubing and evacuating it using a purge pump to a minimum measured vacuum of approximately 100 inches of water column (inWC). The test was conducted while the sampling canister was attached with its valve in the closed position. The vacuum gauge connected to the system was calibrated to be sensitive enough to indicate a water pressure change of 0.5 inWC and was observed for at least one minute or longer. If any observable loss of vacuum was noted, the fittings would have been adjusted until the vacuum in the sample train did not noticeably dissipate. After a successful shut-in test, the sampling train was not altered.
- Each vapor probe was purged prior to sample collection. The purge volume of each probe was estimated as the summation of the volumes of the Nylaflow® tubing sample line and the sand pack around the screen portion of the probe. The sampling assembly was purged a standard three volumes by drawing the soil gas from the probe using a portable vacuum pump. The flow rate during purging and sampling was moderated to between 100 and 200 milliliters per minute (mL/min) to limit stripping of chemical compounds, to prevent ambient air from diluting the soil gas samples, and to reduce the variability of purging and sampling rates.
- A leak test was performed in conjunction with each collected soil gas sample during purging and sampling activities, to verify that ambient air was not diluting the sample or compromising it with external contaminants. The sampling train and soil gas sampling

point were tested for leaks using a shroud filled with 1,1-difluoroethane (1,1-DFA).

- Once the sampling assembly was purged, the samples were collected from the sample line using laboratory provided 1-Liter Summa™ stainless-steel canisters fitted with a particulate filter regulated at a flow rate of 150 mL/min.

Upon completion of the soil gas sampling activities, the vapor probe tubing was removed, and the boreholes closed in-place with hydrated bentonite chips and the surface was patched to match the existing condition of the floor.

## 2.6 Soil and Soil Gas Sampling Program

Terracon's soil and soil gas sampling program consisted of the following:

- Submitting a total of 11 depth-discrete soil samples for laboratory analysis (VP-1 through VP-10 and B-11). Soil samples were collected from the interval of most likely environmental impact based on the judgment of the environmental professional in the field and discussion with the Terracon P.G. Soil sample intervals for each boring are presented with the soil sample analytical results (Table 1 of Appendix D) and are provided on the lithologic boring logs included in Appendix C.
- Submittal of four (4) composite soil samples for laboratory analysis collected from four selected soil borings (VP-3, VP-4, VP-8, and VP-11). The composite soil samples were collected from these selected borings to be representative of the area that will be excavated when constructing the proposed subterranean parking garage.
- Collection and submittal of one (1) soil gas sample from each of the 10 vapor probes (VP-1 through VP-10, 10 soil gas samples total).

Soil samples were collected in laboratory-provided glassware, sealed, properly labeled and placed on ice in an insulated container for transportation to the laboratory. The soil gas samples were collected in laboratory-provided, labeled, dedicated 1-Liter Summa stainless steel canisters. The sample cooler and completed chain-of-custody forms were relinquished to Sunstar Laboratories, Inc. (Sunstar), Lake Forest, California, a California certified laboratory for analysis. Samples were submitted for analysis on a standard, 5 to 7 days, turnaround time (TAT).

## 2.7 Investigation Derived Waste

Soil cuttings and other waste generated during the investigation activities were temporarily stored in a 5-gallon plastic bucket. Due to the relatively small quantity of investigation derived waste (less than 5 gallons) and the absence of field evidence of impairment, the soil cuttings were transported offsite by the drilling contractor to be disposed at a later date under their general disposal permit.

# 3.0 LABORATORY ANALYTICAL METHODS

The soil and soil gas samples were analyzed by Sunstar. The 11 depth-discrete soil samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B and for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by USEPA Method 8015M; and the four (4) composite soil samples were analyzed for California Title 22 CAM-17 metals (CAM-17 Metals) by USEPA Method 6010B/7471. The soil gas samples were analyzed for VOCs and for the tracer gas 1,1-DFA by USEPA Method TO-15.

The laboratory analytical results for the soil and soil gas samples are summarized in Tables 1, 2, and 3 of Appendix D. The corresponding laboratory analytical report and executed chain-of-custody forms are provided in Appendix E.

# 4.0 DATA EVALUATION

## 4.1 Soil Samples

Laboratory analytical results for the soil samples collected from borings VP-1 through VP-10 and B-11 indicate that TPH and VOC concentrations were not detected above their respective laboratory reporting limits (RLs), with the exception of a TPH-ORO concentration of 22 milligrams per kilogram (ng/kg) detected in the soil sample collected from boring VP-5 at a depth of 2 to 3 feet bgs (VP-5-3).

The TPH-ORO concentration detected in soil sample VP-5-3 was compared to the environmental screening level (ESL) established by the SFB-RWQCB (SFB-RWQCB, 2019 Rev.2). Comparison of the TPH-ORO concentration detected in VP-5-3 (22 mg/kg) to the ESL indicates that the detected concentration is significantly lower than the ESL of 1,600 mg/kg. A summary of the soil sample analytical results for TPH and VOCs is presented in Table 1 of Appendix D, together with the applicable ESLs. The complete laboratory analytical report and chain of custody forms are provided in Appendix E.

CAM-17 Metals (barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) were detected at concentrations above their respective RLs in one or more composite soil samples. However, the detected CAM-17 Metals concentrations do not exceed their respective residential and commercial ESLs, or DTSC-established regional background value of 12 mg/kg in the case of arsenic, and appear to be representative of naturally occurring background concentrations. It should be noted that the RLs for thallium are above the residential ESL of 0.78 mg/kg but below the commercial ESL of 12 mg/kg. Soil sample analytical results for CAM-17 Metals are presented in Table 2 of Appendix C.

## 4.2 Soil Gas Samples

Laboratory analytical results for the soil gas samples collected from vapor probes VP-1 through VP-10 indicate that various concentrations of VOCs [tetrachloroethene (PCE), trichloroethene (TCE), acetone, 1,3-butadiene carbon disulfide, isopropyl alcohol, chloroform, chloromethane, cyclohexane, heptane, hexane, 1,3-dichlorobenzene, 4-ethyltoluene, tetrahydrofuran, styrene, 1,2,4-trimethylbenzene, 2-butanone (MEK), methyl isobutyl ketone, benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, and 1,1-DFA (tracer gas)] were detected above their respective laboratory method detection limits (MDLs) in the soil gas samples (Table 3 of Appendix D).

The soil gas sample analytical results were compared to the ESLs for residential and commercial land use scenarios (SFB-RWQCB, 2019 Rev.2). The soil gas sample analytical results were compared to both residential and commercial ESLs, in accordance with the planned use of the land redevelopment into mix residential and commercial/retail use. Comparison of the detected VOC concentrations to their respective ESLs reveals the following:

- PCE was detected above the laboratory MDL in seven (7) of the 10 soil gas samples. The PCE concentrations detected in the soil gas samples VP-6 through VP-11, ranging from 72 micrograms per cubic meter ($\mu g/m^3$) in VP-6 to 900 $\mu g/m^3$ in VP-8, exceed the ESLs for residential and commercial land use of 15 and 67 $\mu g/m^3$, respectively. The PCE concentration detected in soil gas sample VP-2 (21 $\mu g/m^3$) is above the ESL for residential land use of 15 $\mu g/m^3$ but below the commercial ESL of 67 $\mu g/m^3$. In addition, PCE was not detected above the laboratory MDL of 19 $\mu g/m^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 15 $\mu g/m^3$.
- Benzene was detected above the laboratory MDL in six (6) of the 10 soil gas samples. The benzene concentrations detected in the soil gas samples VP-3 and VP-6 (22 and 16 $\mu g/m^3$, respectively), exceed the ESLs for residential and commercial land use of 3.2 and 14 $\mu g/m^3$, respectively. The benzene concentrations detected in soil gas samples VP-1, VP-2, VP-7 and VP-8, ranging from 3.5 $\mu g/m^3$ in VP-1 to 7.1 $\mu g/m^3$ in VP-2 and VP-7, are above the ESL for residential land use of 3.2 $\mu g/m^3$ but below the commercial ESL of 14 $\mu g/m^3$. In addition, benzene was not detected above the laboratory MDL of 4.9 $\mu g/m^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 3.2 $\mu g/m^3$.
- The chloroform concentrations detected in soil gas sample VP-6 and VP-9 (8.4 and 8.7 $\mu g/m^3$, respectively) exceed the residential ESL of 4.1 $\mu g/m^3$ but not the commercial ESL of 18 $\mu g/m^3$. Chloroform was not detected above the laboratory MDL of 9.4 $\mu g/m^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 4.1 $\mu g/m^3$.

The tracer gas 1,1-DFA was detected in soil gas samples VP-1 and VP-4, at concentrations of 3.5 and 7.3 μg/m$^3$, respectively. These detected 1,1-DFA concentrations are within the acceptable level according to the Advisory Guidelines; therefore, the samples collected from each vapor probe passed the QA/QC shut-in/leak tests and are considered representative of subsurface soil gas conditions. A summary of the soil gas analytical results is presented in Table 3 of Appendix D. The complete laboratory analytical report and chain of custody forms provided by Sunstar are included in Appendix E.

## 5.0 FINDINGS AND CONCLUSIONS

The findings of this LSI are as follows:

- Laboratory analytical results for the depth-discrete soil samples collected from borings VP-1 through VP-10 and B-11 indicate that TPH and VOC concentrations were not detected above their respective laboratory RLs, with the exception of a concentration of 22 mg/kg of TPH-ORO detected in the soil sample collected from boring VP-5 at a depth of 2 to 3 feet bgs (VP-5-3).
- Laboratory analytical results for the composite soil samples collected from borings VP-3, VP-4, VP-8, and VP-11 indicate that CAM-17 Metals were detected at concentrations above their respective RLs in one. However, the detected CAM-17 Metals concentrations do not exceed their respective residential and commercial ESLs, or DTSC-established regional background value of 12 mg/kg in the case of arsenic, and appear to be representative of naturally occurring background concentrations.
- Laboratory analytical results for the soil gas samples collected from vapor probes VP-1 through VP-10 indicate that PCE, benzene, and chloroform were detected at concentrations above their respective ESLs, as detailed below:
    - The PCE concentrations detected in the soil gas samples VP-6 through VP-11, ranging from 72 μg/m$^3$ to 900 μg/m$^3$, exceed the ESLs for residential and commercial land use of 15 and 67 μg/m$^3$, respectively. In addition, the PCE concentration detected in soil gas sample VP-2 (21 μg/m$^3$) is above the ESL for residential land use of 15 μg/m$^3$ but below the commercial ESL of 67 μg/m$^3$.
    - The benzene concentrations detected in the soil gas samples VP-3 (22 μg/m$^3$) and VP-6 (16 μg/m$^3$) exceed the ESLs for residential and commercial land use of 3.2 and 14 μg/m$^3$, respectively. The benzene concentrations detected in soil gas samples VP-1, VP-2, VP-7 and VP-8, ranging from 3.5 μg/m$^3$ to 7.1 μg/m$^3$, are above the ESL for residential land use of 3.2 μg/m$^3$ but below the commercial ESL of 14 μg/m$^3$.
    - The chloroform concentrations detected in soil gas sample VP-6 and VP-9, 8.4 and 8.7 μg/m$^3$, respectively, exceeds the residential ESL of 4.1 μg/m$^3$ but not the commercial ESL of 18 μg/m$^3$.

- Overall, the distribution of VOCs in soil gas beneath the site suggests that the PCE may be originating from an off-site source located north of the site, such as the former Lewis Cleaners, formerly located across Warner Avenue from the site (4945 Warner Avenue) and identified as a REC in Terracon's Phase I ESA. PCE was detected at its highest concentrations in the three northernmost soil gas samples, VP-8 through VP-10, located along the northern property boundary; and not detected above the laboratory RL of 0.21 $\mu g/m^3$ in VP-3 and V-4, located in the southern portion of the site.
- The distribution of benzene in soil gas beneath the site is not conclusive; however, it appears to occur at higher concentrations in the central and southern portions of the site (VP-3 and VP-6), and possibly related to the documented release that occurred at the former on-site service station (4972 Warner Avenue), which was identified as a CREC in Terracon's Phase I ESA.

## 6.0 RECOMMENDATIONS

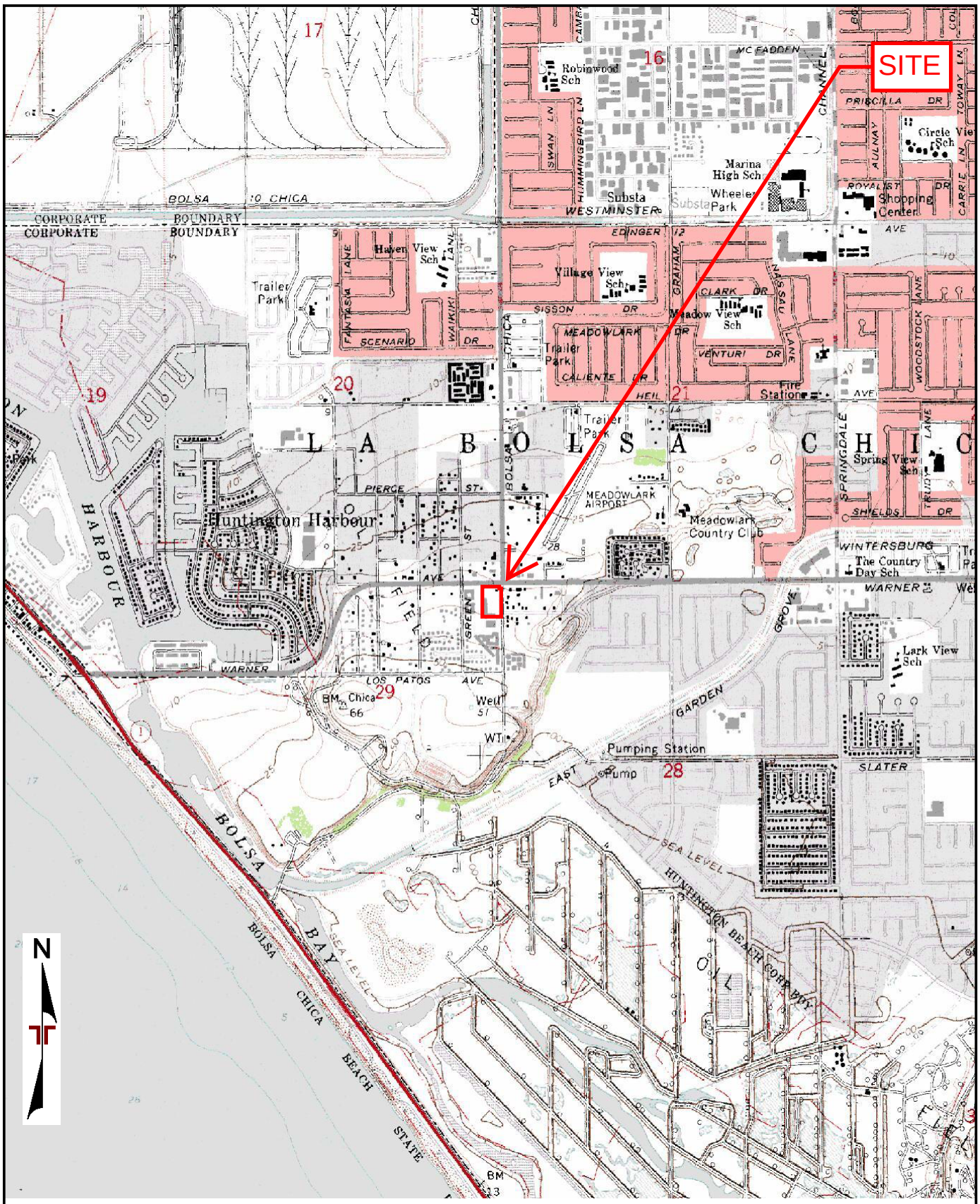
It is Terracon's understanding that the site is intended to be redeveloped for mixed residential/commercial use and will involve significant grading activities, which will involve the excavation and export of soil to a depth of approximately 12 to 13 feet bgs, including the entire footprint of the proposed living facility/onsite building(s), to accommodate a 1-level subterranean parking garage.

Based on the above findings and conclusions, including the detection of VOCs in soil gas (specifically PCE, benzene, and chloroform) at concentrations above their respective ESLs for residential and/or commercial land use scenarios, Terracon recommends the following:

- Additional investigation of on-site soil or soil gas does not appear to be warranted at this time.
- Notify the OCHCA of the planned change of land use from commercial to residential, as required in the OCHCA Case Closure letter dated March 16, 2004 (OCHCA Case No. 02UT018); provide the environmental documentation obtained through the "Due Diligence" process, and seek oversight through the voluntary cleanup program (VCP) to obtain a "no further action" (NFA) letter for the site.
- If soil or groundwater are to be disturbed in the future or planned future redevelopment, Terracon recommends that proper procedures should be followed with respect to worker health and safety. In addition, although impacted soil was identified, if encountered at a future time, such soils should be properly characterized, treated, and/or disposed in accordance with applicable local, state or federal regulations. A soil and groundwater management plan (SGWMP) will assist in ensuring that these issues are addressed.

# APPENDIX A

## Exhibits




TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: SEAL BEACH, CA (1/1/1981).

| | | | | |
|---|---|---|---|---|
| Project Manager: FMM | Project No. 60217228 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780-6287 | TOPOGRAPHIC MAP | EXHIBIT |
| Drawn by: MMH | Scale: 1"=2,000' | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>**4952 AND 4972 WARNER AVENUE**<br>**HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA** | 1 |
| Checked by: JTY | File Name: N/A | | | |
| Approved by: FMM | Date: 06-01-2021 | | | |

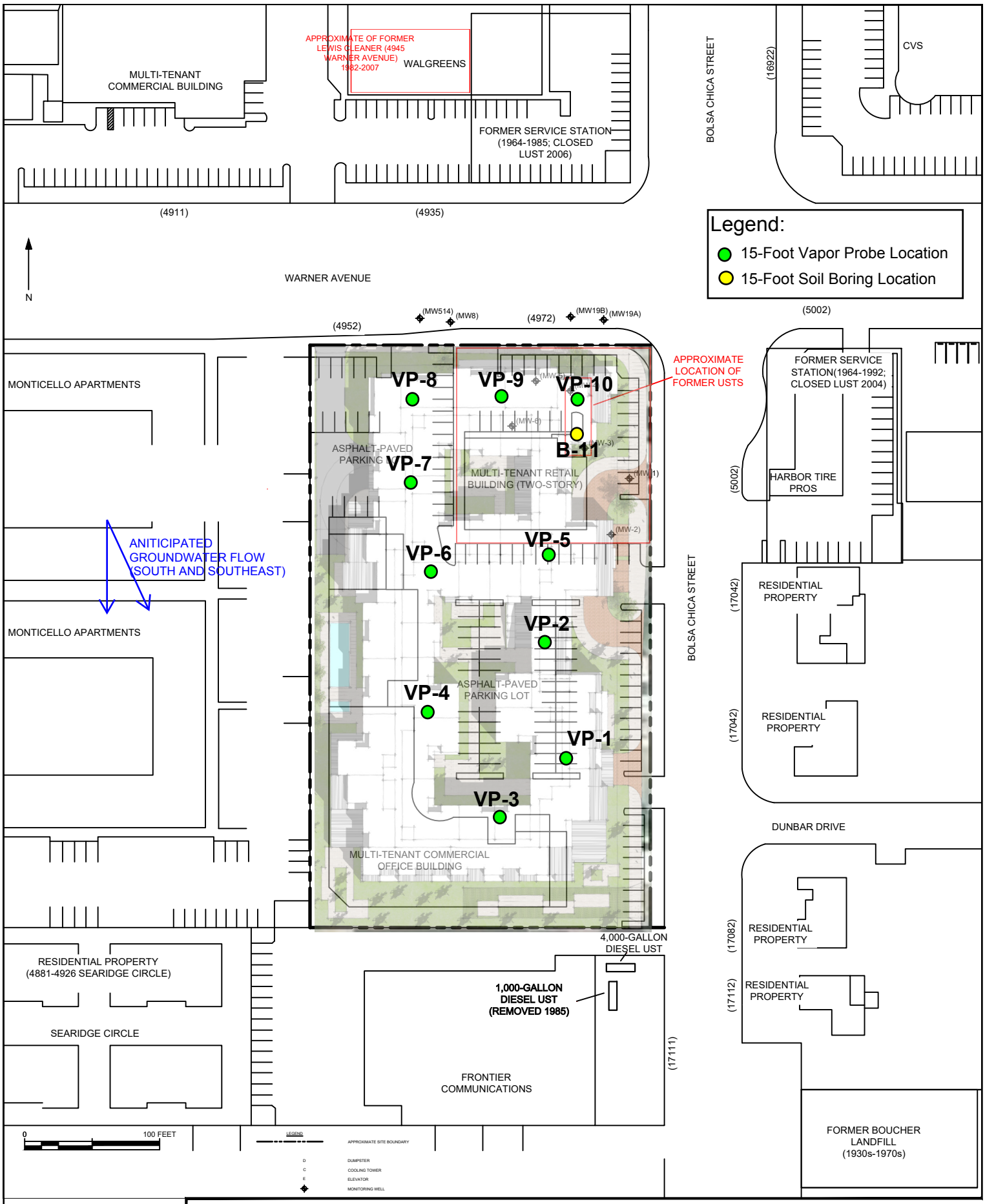



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

| | |
|---|---|
| Project Mngr: | FMM |
| Drawn By: | MMH |
| Checked By: | JTY |
| Approved By: | FMM |
| Project No. | 60217228 |
| Scale: | AS SHOWN |
| File No. | 60217144.DWG |
| Date: | 06/01/2021 |

Terracon
Consulting Engineers and Scientists
1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

PROPOSED SENIOR LIVING DEVELOPMENT-HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

EXHIBIT
2

# APPENDIX B

## Drilling Permit

# APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
FAX: (714) 433-6481

CITY: Huntington Beach
DATE: 4/29/21

WELL LOCATION (ADDRESS IF AVAILABLE): 4952 and 4972 Warner Avenue, Huntington Beach, Orange County, CA

NAME OF WELL OWNER: Hines Interest LP
ADDRESS: 4000 MacArthur Boulevard, Suite 110
CITY: Huntington Beach ZIP: 92647 TELEPHONE: (949)313-2213
NAME OF CONSULTING FIRM: Terracon Consultants, Inc
BUSINESS ADDRESS: 1421 Edinger Ave. Unit C
CITY: Tustin ZIP: 92780-6287 TELEPHONE: (949)864 2077
NAME OF DRILLING CO.: Strongarm Environmental Field Services
C-57 LICENSE NO.: 766463
CITY: Fullerton ZIP: 92832 TELEPHONE: (562)404-6656

TYPE OF WELL (CHECK)

- PRIVATE DOMESTIC ☐
- PUBLIC DOMESTIC ☐
- IRRIGATION ☐
- CATHODIC ☐
- PROBE SURVEY ☒
- MONITORING ☐
- SOIL BORING ☐
- OTHER ____ ☐
- TOTAL NUMBER 11

A. WELLS – SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS)

B. SOIL BORINGS AND PROBES –
TOTAL DEPTH 15ft
SEALING MATERIAL 20% Solid or more Bentonite Grout

C. PROPOSED START DATE 05/05/2021

DIAGRAM OF WELL SITE (Use additional sheets and/or attachments)

☒ SITE PLAN ATTACHED

*I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.*

Fabio M. Minervini — 05/04/21
APPLICANT'S SIGNATURE — DATE

Fabio M. Minervini
PRINT NAME

(949) 383-1984
PHONE NUMBER — FAX NUMBER

WELL PERMIT NUMBER 21-05-03

Permit expires on 05.05.2022.

**FOR ACCOUNTING USE ONLY:**

HSO NO. 411397 CHECK NO. 6901
DATE 05.04.2021 AMOUNT $382.00
INTL. BV CK: 05.03.2021

**APPROVAL BY OTHER AGENCIES:**

JURISDICTION
REMARKS Remove all SVPs completely by 05.18.2021.

AUTHORIZED SIGNATURE — DATE

**DISPOSITION OF PERMIT (DO NOT FILL IN):**

☒ **APPROVED** SUBJECT TO THE FOLLOWING CONDITIONS:

A. NOTIFY THIS AGENCY AT LEAST **48 HOURS**
- ☒ PRIOR TO START. Notify of any changes.
- ☐ PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING.

B. ☐ SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO.

C. ☐ SECURE ALL MONITORING WELLS TO PREVENT TAMPERING.

D. ☒ OTHER Notify when all work is complete and include the depth to 1st water.

☐ **DENIED**

Juan Arzora — 05.04.2021
PERMIT ISSUED BY — DATE

Juan Arzora — 7144736287
PRINT NAME — PHONE NUMBER

**WHEN SIGNED BY ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A PERMIT.**

@.F272-09.0803 (R11/01)

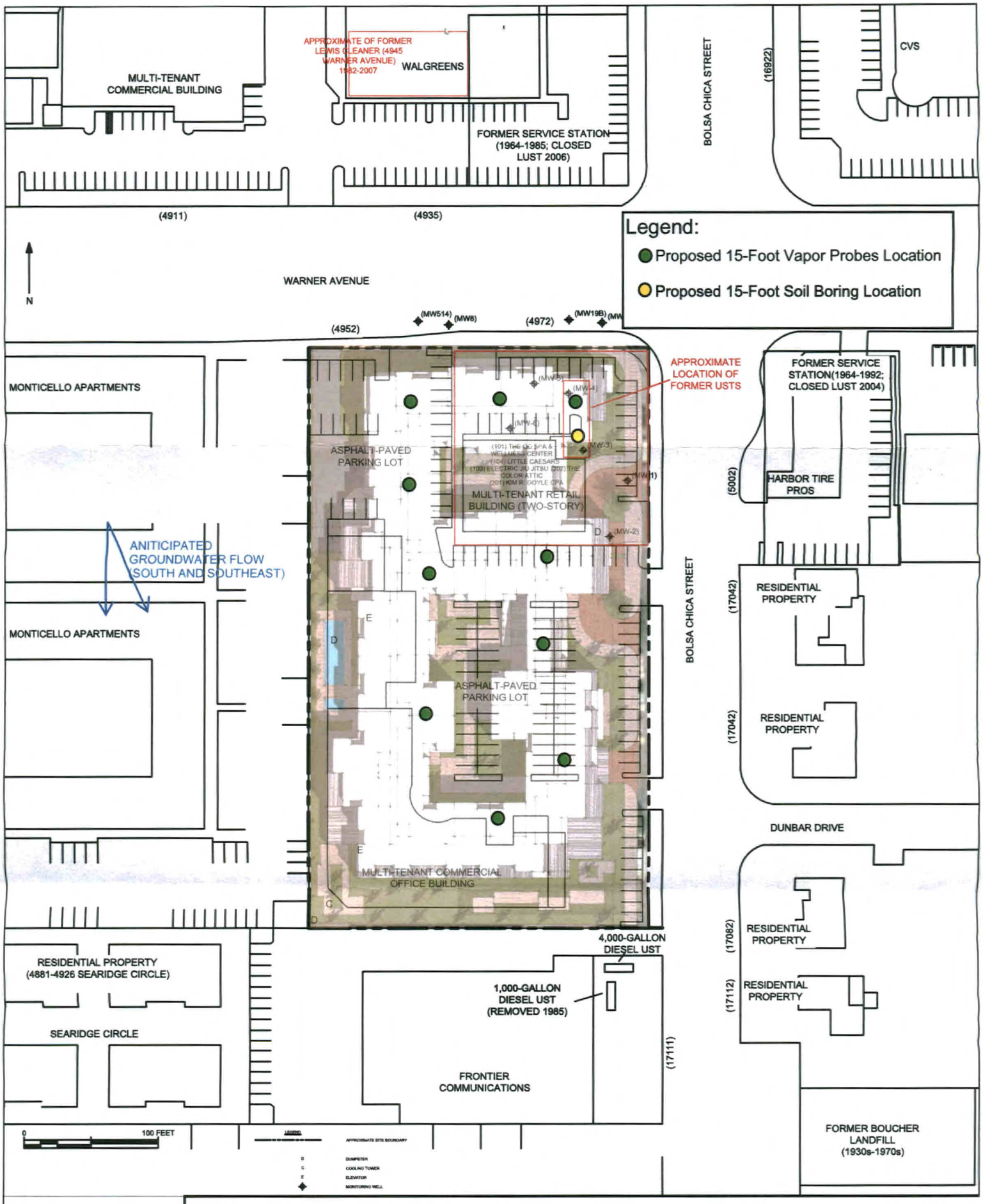



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

| | |
|---|---|
| Project Mngr: | JSV |
| Drawn By: | MMH |
| Checked By: | JSV |
| Approved By: | IRN |
| Project No. | 60217144 |
| Scale: | AS SHOWN |
| File No. | 60217144.DWG |
| Date: | 03/18/2021 |

Terracon
Consulting Engineers and Scientists
1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

PROPOSED SENIOR LIVING DEVELOPMENT-HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

EXHIBIT 2

# SCOPE OF SERVICE

A total of eleven (11) soil borings will be advanced at the site to a maximum depth of approximately 15 feet below ground surface (bgs) or refusal, whichever occurs first, to evaluate soil beneath the site. 10 of the 11 borings will be converted into temporary vapor probes (VP) for collection of soil gas samples. Proposed boring/VP locations are shown on the attached Site Diagram

The drilling services will be performed by a State-of-California C-57 licensed driller using a truck-mounted direct-push technology (DPT) drilling rig, under the supervision of a Terracon environmental professional and the oversight of a California-licensed Professional Geologist (P.G.).

Following completion of soil sampling activities, the vapor probes materials will be removed, and soil borings will be closed in place using bentonite grout.

**ORANGE COUNTY HEALTH CARE AGENCY**
**ENVIRONMENTAL HEALTH DIVISION**
**HEALTH SERVICE ORDER**

BU7304 411337

Date 05-04-21 Initials bv

Client Name Hines Interest LP

Address 4000 MacArthur Blvd, Ste 110

Huntington Beach, 92647 Ph#

Paid By Jose Marin

Address 1200 Cabrillo Park Dr Apt G

Santa Ana, 92701 Ph#

Please circle the respective service code(s)

| | | |
|---|---|---|
| 01 | CEQ/HSF (Acct/Bat# ) | $ |
| 02 | CEQ Plan Check/Foods (PC# ) | $ |
| 03 | CEQ Plan Check/Pools (PC# ) | $ |
| 04 | Food Vehicles Cat | $ |
| | Decal No(s) | |
| 05 | CEQ/ Court Restitution/Judgment | $ |
| | Name | |
| | Case# | |
| 06 | Hotels/Motels (Acct/Bat# ) | $ |
| 07 | Massage Parlor (Acct/Bat# ) | $ |
| 08 | Noise | $ |
| 09 | Liquid Waste Hauler | $ |
| 10 | Farm Labor Camp Registration | $ |
| 11 | Aboveground Petroleum Storage Act | $ |
| 12 | Hazardous Waste (Acct/Bat# ) | $ |
| 13 | Hazardous Waste Fines | $ |
| 14 | Hazardous Waste Restitution/Judgment | $ |
| | Name | |
| | Case# | |
| 15 | Hazardous Waste Clean-up | $ |
| 16 | Medical Waste/Body Art ) | $ |
| 17 | UST/HSF (Acct/Bat# ) | $ |
| 18 | UST Plan Check (PC# ) | $ |
| 19 | UST State Surcharge | $ |
| 20 | UST Restitution/Judgment | $ |
| | Name | |
| | Case# | |
| 21 | Wells (Const X Recon Destr ) | $ 382.00 |
| | Water Cath Init. Monit. ) | |
| | Add. Monit. #Wells | |
| | Driller | |
| | Consultant | |
| 22 | Backflow/Cross Connection | $ |
| | Client(s) | |
| 23 | Small Water Systems | $ |
| 24 | CUPA - Base Fee | $ |
| 25 | CUPA - CalArp | $ |
| 26 | FOG- OC Sanitation District | $ |
| 27 | Tierred Permitting | $ |
| __ | **OTHER** | $ |
| __ | **OTHER** | $ |
| __ | **OTHER** | $ |
| __ | **OTHER** | $ |

**PAID BY CHECK NO:** 6901

dated: 5/3/21

# APPENDIX C

## Boring Logs

# BORING LOG NO. VP-1



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **SILT (ML)**, w/clay, brown to reddish brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 5.0 | | 5 | | | | |
| | **SILT (ML)**, some clay, brown to light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 10 | | | 100 | <1.0 |
| 12.0 | | | | | 100 | <1.0 |
| | **SILT (ML)**, w/clay, light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| 14.0 | | | | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, reddish brown, dry, no odor, no staining | | | | 100 | <1.0 |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-1 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-2



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | |
| | **SILT (ML)**, w/clay, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 5.0 | **CLAY (CL)**, some silt, light brown to brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 8.0 | **SILT (ML)**, some clay, light brown to brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 12.0 | **CLAY (CL)**, light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 15.0 | ***Boring Terminated at 15 Feet*** | | |

DEPTH (ft): 5, 10, 15

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-2 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-3



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **CLAY (CL)**, dark brown to light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 4.0 | | | | | 100 | <1.0 |
| | **CLAY (CL)**, w/silt, brown to dark brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | 5 | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 10.0 | | 10 | | | 100 | <1.0 |
| | **SILTY CLAY (CL)**, light brown to brown, dry, no odor, no staining | | | | 100 | <1.0 |
| 12.0 | | | | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 15.0 | | | | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-3 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-4



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **SILTY CLAY (CL)**, dark brown to brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 5 | | | 100 | <1.0 |
| | light brown, w/pebbles | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | some sand | | | | 100 | <1.0 |
| 9.0 | | | | | | |
| | **CLAY (CL)**, light brown, dry, no odor, no staining, @11 ft gray to greenish gray in color | | | | 100 | <1.0 |
| | | 10 | | | 100 | <1.0 |
| 12.0 | | | | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, light brown to reddish brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 15.0 | | | | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-4 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-5



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **SILTY CLAY (CL)**, brown to dark brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 5 | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 8.0 | | | | | 100 | <1.0 |
| | **CLAY (CL)**, brown to dark brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 10 | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 15.0 | | | | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-5 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-6



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | |
| | **SILTY CLAY (CL)**, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 4.0 | | 100 | <1.0 |
| | **CLAY (CL)**, brown, dry, no odor, no staining | 100 | <1.0 |
| 6.0 | | 100 | <1.0 |
| | **SILT (ML)**, w/clay, light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| 9.0 | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, light brown, dry, no odor, no staining | 100 | <1.0 |
| 11.0 | | 100 | <1.0 |
| | **LEAN CLAY (CL)**, light brown, dry, no odor, no staining | 100 | <1.0 |
| 12.0 | | | |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| 15.0 | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | | |

DEPTH (ft): 5, 10, 15

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-6 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-7



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **CLAY (CL)**, w/silt, some pebbles, light brown to brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 5 | | | 100 | <1.0 |
| 7.0 | | | | | 100 | <1.0 |
| | **SILTY CLAY (CL)**, some sand, light brown to brown, dry, no odor, no staining | | | | 100 | <1.0 |
| 9.0 | | | | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, reddish brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | 10 | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 15.0 | | | | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-7 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-8



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|---|---|---|
| 0.3 | **ASPHALT**, 4" of Asphalt | | | | | |
| | **LEAN CLAY (CL)**, some silt, brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 5.0 | | 5 | | | | |
| | **SILTY CLAY (CL)**, brown to light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 8.0 | | | | | 100 | <1.0 |
| | **SILTY SAND (SM)**, fine to medium grained, light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| | | 10 | | | 100 | <1.0 |
| | | | | | 100 | <1.0 |
| 13.0 | | | | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, light brown, dry, no odor, no staining | | | | 100 | <1.0 |
| 15.0 | | | | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-8 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-9



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|
| 0.1 | **ASPHALT**, 1" of Asphalt | | |
| 0.4 | **CONCRETE**, 4" of Concrete | 100 | <1.0 |
| | **CLAY (CL)**, dark brown to reddish brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 9.0 | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to reddish brown, dry, no odor, no staining | 100 | <1.0 |
| 11.0 | | 100 | <1.0 |
| | **CLAY (CL)**, light brown, dry, no odor, no staining | 100 | <1.0 |
| 13.0 | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to reddish brown, dry, no odor, no staining | 100 | <1.0 |
| 15.0 | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | | |

GRAPHIC LOG | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-9 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. VP-10



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|
| 0.1 | **ASPHALT**, 1" of Asphalt | | |
| 0.4 | **CONCRETE**, 4" of Concrete | 100 | <1.0 |
| | **CLAY (CL)**, dark brown to black, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 9.0 | | 100 | <1.0 |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| 11.0 | | 100 | <1.0 |
| | **CLAY (CL)**, dark brown to black, dry, no odor, no staining | 100 | <1.0 |
| 12.0 | | | |
| | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| 15.0 | | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | | |

DEPTH (ft): 5, 10, 15

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-10 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# BORING LOG NO. B-11



**PROJECT: Proposed Senior Living Development - HB**

**CLIENT: Hines Interest LP**
**4000 MacArthur Boulevard, Suite 110**
**Newport Beach, California 92660**

**SITE: 4952 and 4972 Warner Avenue**
**Huntington Beach, Orange County, California 92647**

LOCATION See Exhibit A-2

| DEPTH | MATERIAL DESCRIPTION | RECOVERY (%) | OVA/PID (ppm) |
|---|---|---|---|
| 0.1 | **ASPHALT**, 1" of Asphalt | | |
| 0.4 | **CONCRETE**, 4" of Concrete | 100 | <1.0 |
| | **SILTY CLAY (CL)**, dark brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 5.0 | | 100 | <1.0 |
| | **CLAY (CL)**, w/cobbles, dark brown, dry, no odor, no staining | 100 | <1.0 |
| | | 100 | <1.0 |
| | | 100 | <1.0 |
| 9.0 | | 100 | <1.0 |
| | **CLAY WITH SILT (CL)**, dark brown, dry, no odor, no staining | 100 | <1.0 |
| 11.0 | | 100 | <1.0 |
| 12.0 | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| 13.0 | **CLAY (CL)**, w/cobbles, dark brown, dry, no odor, no staining | 100 | <1.0 |
| 14.0 | **POORLY GRADED SAND (SP)**, fine to medium grained, brown to light brown, dry, no odor, no staining | 100 | <1.0 |
| 15.0 | **CLAY (CL)**, dark brown, dry, no odor, no staining | 100 | <1.0 |
| | ***Boring Terminated at 15 Feet*** | | |

DEPTH (ft): 5, 10, 15

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon

| | |
|---|---|
| Boring Started: 05-05-2021 | Boring Completed: 05-05-2021 |
| Drill Rig: Truck-mounted | Driller: Strongarm |
| Project No.: 60217228 | Exhibit: B-11 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

# APPENDIX D

## Tables

**TABLE 1**
**SOIL SAMPLE ANALYTICAL RESULTS - TPH & VOCs**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

| Sample I.D. | Sample Depth (feet bgs) | Sample Date | VOCs | Total Petroleum Hydrocarbons | | |
|---|---|---|---|---|---|---|
| | | | | TPH-GRO | TPH-DRO | TPH-ORO |
| | | | USEPA Method 8260B | USEPA Method 8015M | | |
| | | | (mg/kg) | | | |
| VP-1-11 | 10 to 11 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-2-9 | 8 to 9 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-3-7 | 6 to 7 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-4-3 | 2 to 3 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-5-3 | 2 to 3 | 05/05/21 | ND | <10 | <10 | 22 |
| VP-6-6 | 5 to 6 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-7-10 | 9 to 10 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-8-2 | 1 to 2 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-9-5 | 4 to 5 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-10-15 | 14 to 15 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-11-15 | 14 to 15 | 05/05/21 | ND | <10 | <10 | <10 |
| **ESLs [1]** | | | **NA** | **100** | **260** | **1,600** |

NOTES:

All units are in milligrams per kilograms (mg/kg)

bgs= below ground surface

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

TPH-GRO = total petroleum hydrocarbons in gasoline carbon range (C6-C12)

TPH-DRO = total petroleum hydrocarbons in diesel carbon range (C13-C22)

TPH-ORO = total petroleum hydrocarbons in waste oil carbon range (C23-C32)

"<" = not detected above the laboratory reporting limit specified

ND = not detected above the laboratory reporting limit

NA = Not Applicable

[1] ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, 2019 Rev.2

**TABLE 2**
**SOIL SAMPLE ANALYTICAL RESULTS - METALS**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

| Sample I.D. | Sample Location | Sample Depth (feet bgs) | Sample Date | Antimony | *Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | **Mercury | Molybdenum | Nickel | Selenium | Silver | ***Thallium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | EPA Method 6010B | | | | | | | | | | | | | | | | |
| | | | | (mg/kg) | | | | | | | | | | | | | | | | |
| COMP-1 | VP-3 | Composite | 05/05/21 | <3.0 | <5.0 | 72 | <1.0 | <2.0 | 19.0 | 7.2 | 11 | 4.8 | <0.10 | <5.0 | 11 | <5.0 | <2.0 | <5.0 | 27 | 51 |
| COMP-2 | VP-4 | Composite | | <3.0 | <5.0 | 26 | <1.0 | <2.0 | 5.2 | 2.5 | 5.9 | <3.0 | <0.10 | <5.0 | 4.1 | <5.0 | <2.0 | <5.0 | 15 | 14 |
| COMP-3 | VP-8 | Composite | | <3.0 | <5.0 | 31 | <1.0 | <2.0 | 8.3 | 4.4 | 5.8 | <3.0 | <0.10 | <5.0 | 6.5 | <5.0 | <2.0 | <5.0 | 20 | 22 |
| COMP-4 | VP-11 | Composite | | <3.0 | <5.0 | 33 | <1.0 | <2.0 | 12 | 4.9 | 7.7 | 8.3 | <0.10 | <5.0 | 8.2 | <5.0 | <2.0 | <5.0 | 27 | 590 |
| **(1) ESLs (Residential)** | | | | **11** | **12*** | **15,000** | **16** | **78** | **120,000** | **23** | **3,100** | **80** | **13** | **390** | **820** | **390** | **390** | **0.78** | **390** | **23,000** |
| **(1) ESLs (Commercial)** | | | | **160** | **12*** | **220,000** | **230** | **1,100** | **1,800,000** | **350** | **47,000** | **320** | **190** | **5,800** | **11,000** | **5,800** | **5,800** | **12** | **5,800** | **350,000** |

NOTES:
* Background Metals = The Department of Toxic Substances Control (DTSC ) established a regional background arsenic concentration in soil that can be used as a screening tool for sites throughout southern California. The term "background" collectively refers to both naturally occurring and anthropogenic concentrations in shallow soil. Statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound background arsenic concentration of 12 mg/kg. The analysis for 5 counties in southern California also gave an upper-bound background arsenic concentration of 12 mg/kg.
** Mercury analyzed using EPA Method 7470/7471
*** Thallium laboratory reporting limit is above the residential ESL of 0.78 mg/kg.
(1) ESLs for Soil established by the San Francisco Regional Water Quality Control Board, 2019 (Rev. 2)
All units are in milligrams per kilograms (mg/kg)
bgs= below ground surface
EPA = United States Environmental Protection Agency

**TABLE 3**
**SOIL GAS SAMPLE ANALYTICAL RESULTS - VOCs**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach , Orange County, California 92647
Terracon Project No. 60217228

| Sample I.D. | Sample Date | Tetrachloroethene (PCE) | Trichloroethene (TCE) | Acetone | 1,3-Butadiene | Carbon Disulfide | Isopropyl alcohol | Chloroform | Chloromethane | Cyclohexane | Heptane | Hexane | 1,3-Dichlorobenzene | 4-Ethyltoluene | Tetrahydrofuran | Styrene | 1,2,4-Trimethylbenzene | 2-Butanone (MEK) | Methyl isobutyl ketone | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | Other VOCs | 1,1-DFA (Tracer Gas) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | USEPA Method TO-15 (µg/m3) | | | | | | | | | | | | | | | | | | | | | | | | |
| **15-Foot Vapor Probes** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VP-1 | 05/05/21 | 5.9 J | <0.21 | 110 | 10 | <0.22 | 15 | <0.15 | <0.46 | <0.16 | <0.15 | 5.4 | 12 J | <0.25 | <0.25 | <0.19 | <0.33 | 22 | 7.6 J | **3.5** | 11 | <0.14 | 8.7 J | <0.085 | ND | 3.5 |
| VP-2 | 05/05/21 | **21** | <0.21 | 130 | 22 | 3.4 | 16 | <0.15 | 3.8 J | <0.16 | <0.15 | 5.5 | 19 J | <0.25 | <0.25 | <0.19 | <0.33 | 41 | 23 J | **7.1** | 21 | <0.14 | 11 | <0.085 | ND | 0.0 |
| VP-3 | 05/05/21 | <0.21 | <0.21 | 190 | 6.0 | 13 | 8.9 J | <0.15 | 3.2 J | <0.16 | 4.6 | 31 | 9.5 J | 1.3 J | <0.25 | 4.9 | <0.33 | 56 | 10 J | **22** | 190 | 15 | 42 | 12 | ND | 0.0 |
| VP-4 | 05/05/21 | <0.21 | <0.21 | 96 | 6.3 | 3.5 | 12 J | <0.15 | <0.46 | <0.16 | <0.15 | 19 | 12 J | <0.25 | 33 | <0.19 | 9.4 | 88 | 31 J | <0.14 | 74 | 9.4 | 38 | 12 | ND | 7.3 |
| VP-5 | 05/05/21 | **<19** | <8.7 | <17 | <8.3 | <11 | <22 | **<9.4** | <7.4 | <12 | <21 | <10 | <24 | <15 | <15 | <13 | <15 | <11 | <50 | **<4.9** | 91 J | <10 | <15 | <9.3 | ND | 0.0 |
| VP-6 | 05/05/21 | **72** | 7.7 | 170 | 88 | 9.1 | 10 J | **8.4** | <0.46 | 5.9 | 7.8 | 27 | 8.5 J | <0.25 | 40 | 2.0 J | <0.33 | 120 | <0.14 | **16** | 21 | 5.1 | 10 | 4.2 J | ND | 0.0 |
| VP-7 | 05/05/21 | **200** | 7.4 | 170 | 19 | 3.2 | 26 | <0.15 | <0.46 | <0.16 | <0.15 | 8.0 | 7.8 J | <0.25 | 50 | <0.19 | <0.33 | 180 | 60 | **7.1** | 8.9 | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| VP-8 | 05/05/21 | **900** | <0.21 | 100 | 7.1 | <0.22 | 10 J | <0.15 | <0.46 | <0.16 | <0.15 | 13 | 7.4 J | <0.25 | 25 | <0.19 | <0.33 | 91 | 22 J | **3.7** | 100 | 7.7 | 27 | 7.9 | ND | 0.0 |
| VP-9 | 05/05/21 | **860** | 14 | 120 | 7.1 | <0.22 | 9.5 J | **8.7** | <0.46 | <0.16 | <0.15 | <0.43 | 5.7 J | <0.25 | 11 | <0.19 | <0.33 | 52 | 13 J | <0.14 | <0.14 | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| VP-10 | 05/05/21 | **500** | <0.21 | 91 | 5.1 | 15 | 8.7 J | <0.15 | <0.46 | <0.16 | <0.15 | 6.9 | <0.43 | <0.25 | 13 | <0.19 | <0.33 | 59 | 14 J | <0.14 | 3.4 J | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| **Environmental Screening Levels (ESLs) [1] (Tier 1 / Residential)** | | **15** | **16** | **1,100,000** | **NE** | **NE** | **NE** | **4.1** | **3,100** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **31,000** | **NE** | **170,000** | **100,000** | **3.2** | **10,000** | **37** | **3,500** | **3,500** | **NA** | **NE** |
| **Environmental Screening Levels (ESLs) [1] (Commercial)** | | **67** | **100** | **4,500,000** | **NE** | **NE** | **NE** | **18** | **13,000** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **130,000** | **NE** | **730,000** | **440,000** | **14** | **44,000** | **160** | **15,000** | **15,000** | **NA** | **NE** |

NOTES:
All units are in micrograms per cubic meter (µg/m$^3$)
1,1-DFA = 1,1-Difluoroethane
NA = not applicable
NE = not established
ND = not detected above the method detection limit
"<" = not detected above the method detection limit value specified
J = The identification of the detected analyte is accurate, the reported value is an estimated concentrations between the laboratory detection limit and reporting limit
USEPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
**Bold Blue Concentration**- indicates concentration above residential ESL
**Bold Red Concentration**- indicates concentration above commercial ESL

[1] ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, January 2019 (Rev. 2)
[2] Indicates a non-detect concentration at a laboratory reporting limit higher than the respective residential ESL.

# APPENDIX E

## Laboratory Data Sheets and Chain-of-Custody Form

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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18 May 2021

Fabio Minervini
Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin, CA 92780

RE: Proposed Senior Living

Enclosed are the results of analyses for samples received by the laboratory on 05/06/21 13:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| VP-1-11 | T211549-01 | Soil | 05/05/21 08:50 | 05/06/21 13:47 |
| VP-2-9 | T211549-02 | Soil | 05/05/21 09:40 | 05/06/21 13:47 |
| VP-3-7 | T211549-03 | Soil | 05/05/21 10:35 | 05/06/21 13:47 |
| COMP-1 | T211549-04 | Soil | 05/05/21 10:40 | 05/06/21 13:47 |
| VP-4-3 | T211549-05 | Soil | 05/05/21 11:05 | 05/06/21 13:47 |
| COMP-2 | T211549-06 | Soil | 05/05/21 11:40 | 05/06/21 13:47 |
| VP-5-3 | T211549-07 | Soil | 05/05/21 12:00 | 05/06/21 13:47 |
| VP-6-6 | T211549-08 | Soil | 05/05/21 13:25 | 05/06/21 13:47 |
| VP-7-10 | T211549-09 | Soil | 05/05/21 14:30 | 05/06/21 13:47 |
| VP-8-2 | T211549-10 | Soil | 05/05/21 14:50 | 05/06/21 13:47 |
| COMP-3 | T211549-11 | Soil | 05/05/21 15:15 | 05/06/21 13:47 |
| VP-9-5 | T211549-12 | Soil | 05/05/21 15:30 | 05/06/21 13:47 |
| VP-10-15 | T211549-14 | Soil | 05/05/21 16:55 | 05/06/21 13:47 |
| B-11-15 | T211549-16 | Soil | 05/05/21 17:50 | 05/06/21 13:47 |
| COMP-4 | T211549-17 | Soil | 05/05/21 17:55 | 05/06/21 13:47 |

Per client's email request on 5/18/21, sample "VP-11-15" will be changed to "B-11-15". JL 5/18/21

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## DETECTIONS SUMMARY

**Sample ID:** VP-1-11 **Laboratory ID:** T211549-01

**No Results Detected**

**Sample ID:** VP-2-9 **Laboratory ID:** T211549-02

**No Results Detected**

**Sample ID:** VP-3-7 **Laboratory ID:** T211549-03

**No Results Detected**

**Sample ID:** COMP-1 **Laboratory ID:** T211549-04

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Barium | **72** | 1.0 | mg/kg | EPA 6010b | |
| Chromium | **19** | 2.0 | mg/kg | EPA 6010b | |
| Cobalt | **7.2** | 2.0 | mg/kg | EPA 6010b | |
| Copper | **11** | 1.0 | mg/kg | EPA 6010b | |
| Lead | **4.8** | 3.0 | mg/kg | EPA 6010b | |
| Nickel | **11** | 2.0 | mg/kg | EPA 6010b | |
| Vanadium | **27** | 5.0 | mg/kg | EPA 6010b | |
| Zinc | **51** | 1.0 | mg/kg | EPA 6010b | |

**Sample ID:** VP-4-3 **Laboratory ID:** T211549-05

**No Results Detected**

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

**Sample ID:** COMP-2 **Laboratory ID:** T211549-06

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Barium | **26** | 1.0 | mg/kg | EPA 6010b | |
| Chromium | **5.2** | 2.0 | mg/kg | EPA 6010b | |
| Cobalt | **2.5** | 2.0 | mg/kg | EPA 6010b | |
| Copper | **5.9** | 1.0 | mg/kg | EPA 6010b | |
| Nickel | **4.1** | 2.0 | mg/kg | EPA 6010b | |
| Vanadium | **15** | 5.0 | mg/kg | EPA 6010b | |
| Zinc | **14** | 1.0 | mg/kg | EPA 6010b | |

**Sample ID:** VP-5-3 **Laboratory ID:** T211549-07

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| C23-C32 (MORO) | **22** | 10 | mg/kg | EPA 8015B | |

**Sample ID:** VP-6-6 **Laboratory ID:** T211549-08

**No Results Detected**

**Sample ID:** VP-7-10 **Laboratory ID:** T211549-09

**No Results Detected**

**Sample ID:** VP-8-2 **Laboratory ID:** T211549-10

**No Results Detected**

**Sample ID:** COMP-3 **Laboratory ID:** T211549-11

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Barium | **31** | 1.0 | mg/kg | EPA 6010b | |

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**Sample ID:** COMP-3 **Laboratory ID:** T211549-11

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Chromium | **8.3** | 2.0 | mg/kg | EPA 6010b | |
| Cobalt | **4.4** | 2.0 | mg/kg | EPA 6010b | |
| Copper | **5.8** | 1.0 | mg/kg | EPA 6010b | |
| Nickel | **6.5** | 2.0 | mg/kg | EPA 6010b | |
| Vanadium | **20** | 5.0 | mg/kg | EPA 6010b | |
| Zinc | **22** | 1.0 | mg/kg | EPA 6010b | |

**Sample ID:** VP-9-5 **Laboratory ID:** T211549-12

**No Results Detected**

**Sample ID:** VP-10-15 **Laboratory ID:** T211549-14

**No Results Detected**

**Sample ID:** B-11-15 **Laboratory ID:** T211549-16

**No Results Detected**

**Sample ID:** COMP-4 **Laboratory ID:** T211549-17

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Barium | **33** | 1.0 | mg/kg | EPA 6010b | |
| Chromium | **12** | 2.0 | mg/kg | EPA 6010b | |
| Cobalt | **4.9** | 2.0 | mg/kg | EPA 6010b | |
| Copper | **7.7** | 1.0 | mg/kg | EPA 6010b | |
| Lead | **8.3** | 3.0 | mg/kg | EPA 6010b | |
| Nickel | **8.2** | 2.0 | mg/kg | EPA 6010b | |
| Vanadium | **27** | 5.0 | mg/kg | EPA 6010b | |
| Zinc | **590** | 1.0 | mg/kg | EPA 6010b | |

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-1-11

### T211549-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *102 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-1-11

### T211549-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-1-11

### T211549-01 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *98.2 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *101 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *97.1 %* | *82.6-117* | | " | " | " | " | |

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|---|---|---|
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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-2-9

### T211549-02 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *103 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-2-9

### T211549-02 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-2-9

### T211549-02 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *92.9 %* | | *75.4-139* | | " | " | " | " |
| *Surrogate: Dibromofluoromethane* | | *100 %* | | *73.1-125* | | " | " | " | " |
| *Surrogate: Toluene-d8* | | *91.9 %* | | *82.6-117* | | " | " | " | " |

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|---|---|---|
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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-3-7

### T211549-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *107 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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|---|---|---|
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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-3-7

### T211549-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-3-7

### T211549-03 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *97.8 %* | | *75.4-139* | | " | " | " | " |
| *Surrogate: Dibromofluoromethane* | | *100 %* | | *73.1-125* | | " | " | " | " |
| *Surrogate: Toluene-d8* | | *98.9 %* | | *82.6-117* | | " | " | " | " |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## COMP-1

### T211549-04 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Metals by EPA 6010B** | | | | | | | | | |
| Antimony | ND | 3.0 | mg/kg | 1 | 1050640 | 05/06/21 | 05/07/21 | EPA 6010b | |
| Silver | ND | 2.0 | " | " | " | " | " | " | |
| Arsenic | ND | 5.0 | " | " | " | " | " | " | |
| **Barium** | **72** | 1.0 | " | " | " | " | " | " | |
| Beryllium | ND | 1.0 | " | " | " | " | 05/07/21 | " | |
| Cadmium | ND | 2.0 | " | " | " | " | 05/07/21 | " | |
| **Chromium** | **19** | 2.0 | " | " | " | " | " | " | |
| **Cobalt** | **7.2** | 2.0 | " | " | " | " | " | " | |
| **Copper** | **11** | 1.0 | " | " | " | " | " | " | |
| **Lead** | **4.8** | 3.0 | " | " | " | " | " | " | |
| Molybdenum | ND | 5.0 | " | " | " | " | " | " | |
| **Nickel** | **11** | 2.0 | " | " | " | " | " | " | |
| Selenium | ND | 5.0 | " | " | " | " | " | " | |
| Thallium | ND | 5.0 | " | " | " | " | " | " | |
| **Vanadium** | **27** | 5.0 | " | " | " | " | " | " | |
| **Zinc** | **51** | 1.0 | " | " | " | " | " | " | |
| **Cold Vapor Extraction EPA 7470/7471** | | | | | | | | | |
| Mercury | ND | 0.10 | mg/kg | 1 | 1050641 | 05/06/21 | 05/10/21 | EPA 7471A Soil | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## VP-4-3

### T211549-05 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *104 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-4-3

### T211549-05 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## VP-4-3

### T211549-05 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *96.8 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *97.1 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *95.1 %* | *82.6-117* | | " | " | " | " | |

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|---|---|---|
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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## COMP-2

### T211549-06 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Metals by EPA 6010B** | | | | | | | | | |
| Antimony | ND | 3.0 | mg/kg | 1 | 1050640 | 05/06/21 | 05/07/21 | EPA 6010b | |
| Silver | ND | 2.0 | " | " | " | " | " | " | |
| Arsenic | ND | 5.0 | " | " | " | " | " | " | |
| **Barium** | **26** | 1.0 | " | " | " | " | " | " | |
| Beryllium | ND | 1.0 | " | " | " | " | 05/07/21 | " | |
| Cadmium | ND | 2.0 | " | " | " | " | 05/07/21 | " | |
| **Chromium** | **5.2** | 2.0 | " | " | " | " | " | " | |
| **Cobalt** | **2.5** | 2.0 | " | " | " | " | " | " | |
| **Copper** | **5.9** | 1.0 | " | " | " | " | " | " | |
| Lead | ND | 3.0 | " | " | " | " | " | " | |
| Molybdenum | ND | 5.0 | " | " | " | " | " | " | |
| **Nickel** | **4.1** | 2.0 | " | " | " | " | " | " | |
| Selenium | ND | 5.0 | " | " | " | " | " | " | |
| Thallium | ND | 5.0 | " | " | " | " | " | " | |
| **Vanadium** | **15** | 5.0 | " | " | " | " | " | " | |
| **Zinc** | **14** | 1.0 | " | " | " | " | " | " | |
| **Cold Vapor Extraction EPA 7470/7471** | | | | | | | | | |
| Mercury | ND | 0.10 | mg/kg | 1 | 1050641 | 05/06/21 | 05/10/21 | EPA 7471A Soil | |

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|---|---|---|
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## VP-5-3

### T211549-07 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| **C23-C32 (MORO)** | **22** | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *101 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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|---|---|---|
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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-5-3

### T211549-07 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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## VP-5-3

### T211549-07 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.9 %* | | *75.4-139* | | " | " | " | " |
| *Surrogate: Dibromofluoromethane* | | *100 %* | | *73.1-125* | | " | " | " | " |
| *Surrogate: Toluene-d8* | | *99.1 %* | | *82.6-117* | | " | " | " | " |

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## VP-6-6

### T211549-08 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *105 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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## VP-6-6

### T211549-08 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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## VP-6-6

### T211549-08 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *101 %* | | *75.4-139* | | " | " | " | " |
| *Surrogate: Dibromofluoromethane* | | *97.8 %* | | *73.1-125* | | " | " | " | " |
| *Surrogate: Toluene-d8* | | *96.4 %* | | *82.6-117* | | " | " | " | " |

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## VP-7-10

### T211549-09 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *104 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

SunStar Laboratories, Inc.

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-7-10

### T211549-09 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-7-10

### T211549-09 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.8 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *98.0 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *93.8 %* | *82.6-117* | | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-8-2

### T211549-10 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *105 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-8-2

### T211549-10 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-8-2

**T211549-10 (Soil)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *96.3 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *99.2 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *94.2 %* | *82.6-117* | | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## COMP-3

### T211549-11 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Metals by EPA 6010B** | | | | | | | | | |
| Antimony | ND | 3.0 | mg/kg | 1 | 1050640 | 05/06/21 | 05/07/21 | EPA 6010b | |
| Silver | ND | 2.0 | " | " | " | " | " | " | |
| Arsenic | ND | 5.0 | " | " | " | " | " | " | |
| **Barium** | **31** | 1.0 | " | " | " | " | " | " | |
| Beryllium | ND | 1.0 | " | " | " | " | 05/07/21 | " | |
| Cadmium | ND | 2.0 | " | " | " | " | 05/07/21 | " | |
| **Chromium** | **8.3** | 2.0 | " | " | " | " | " | " | |
| **Cobalt** | **4.4** | 2.0 | " | " | " | " | " | " | |
| **Copper** | **5.8** | 1.0 | " | " | " | " | " | " | |
| Lead | ND | 3.0 | " | " | " | " | " | " | |
| Molybdenum | ND | 5.0 | " | " | " | " | " | " | |
| **Nickel** | **6.5** | 2.0 | " | " | " | " | " | " | |
| Selenium | ND | 5.0 | " | " | " | " | " | " | |
| Thallium | ND | 5.0 | " | " | " | " | " | " | |
| **Vanadium** | **20** | 5.0 | " | " | " | " | " | " | |
| **Zinc** | **22** | 1.0 | " | " | " | " | " | " | |
| **Cold Vapor Extraction EPA 7470/7471** | | | | | | | | | |
| Mercury | ND | 0.10 | mg/kg | 1 | 1050641 | 05/06/21 | 05/10/21 | EPA 7471A Soil | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## VP-9-5

### T211549-12 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *104 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-9-5

### T211549-12 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-9-5

### T211549-12 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.1 %* | | *75.4-139* | | " | " | " | " |
| *Surrogate: Dibromofluoromethane* | | *98.2 %* | | *73.1-125* | | " | " | " | " |
| *Surrogate: Toluene-d8* | | *95.0 %* | | *82.6-117* | | " | " | " | " |

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Jeff Lee, Project Manager

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-10-15

### T211549-14 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *101 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-10-15

### T211549-14 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## VP-10-15

### T211549-14 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.7 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *101 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *95.6 %* | *82.6-117* | | " | " | " | " | |

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## B-11-15

### T211549-16 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Extractable Petroleum Hydrocarbons by 8015B** | | | | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | 1 | 1050635 | 05/06/21 | 05/08/21 | EPA 8015B | |
| C13-C22 (DRO) | ND | 10 | " | " | " | " | " | " | |
| C23-C32 (MORO) | ND | 10 | " | " | " | " | " | " | |
| *Surrogate: p-Terphenyl* | | *115 %* | *65-135* | | " | " | " | " | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| Bromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0025 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.0025 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0025 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## B-11-15

### T211549-16 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0025 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0025 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.010 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0025 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Styrene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0025 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0025 | " | " | " | " | " | " | |
| Benzene | ND | 0.0025 | " | " | " | " | " | " | |
| Toluene | ND | 0.0025 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0025 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.0050 | " | " | " | " | " | " | |

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## B-11-15

### T211549-16 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | | | |
| o-Xylene | ND | 0.0025 | mg/kg | 1 | 1050707 | 05/07/21 | 05/08/21 | EPA 8260B | |
| *Surrogate: 4-Bromofluorobenzene* | | *95.9 %* | *75.4-139* | | " | " | " | " | |
| *Surrogate: Dibromofluoromethane* | | *99.3 %* | *73.1-125* | | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *94.2 %* | *82.6-117* | | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## COMP-4

### T211549-17 (Soil)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SunStar Laboratories, Inc.** | | | | | | | | | |
| **Metals by EPA 6010B** | | | | | | | | | |
| Antimony | ND | 3.0 | mg/kg | 1 | 1050640 | 05/06/21 | 05/07/21 | EPA 6010b | |
| Silver | ND | 2.0 | " | " | " | " | " | " | |
| Arsenic | ND | 5.0 | " | " | " | " | " | " | |
| **Barium** | **33** | 1.0 | " | " | " | " | " | " | |
| Beryllium | ND | 1.0 | " | " | " | " | " | " | |
| Cadmium | ND | 2.0 | " | " | " | " | " | " | |
| **Chromium** | **12** | 2.0 | " | " | " | " | " | " | |
| **Cobalt** | **4.9** | 2.0 | " | " | " | " | " | " | |
| **Copper** | **7.7** | 1.0 | " | " | " | " | " | " | |
| **Lead** | **8.3** | 3.0 | " | " | " | " | " | " | |
| Molybdenum | ND | 5.0 | " | " | " | " | " | " | |
| **Nickel** | **8.2** | 2.0 | " | " | " | " | " | " | |
| Selenium | ND | 5.0 | " | " | " | " | " | " | |
| Thallium | ND | 5.0 | " | " | " | " | " | " | |
| **Vanadium** | **27** | 5.0 | " | " | " | " | " | " | |
| **Zinc** | **590** | 1.0 | " | " | " | " | " | " | |
| **Cold Vapor Extraction EPA 7470/7471** | | | | | | | | | |
| Mercury | ND | 0.10 | mg/kg | 1 | 1050641 | 05/06/21 | 05/10/21 | EPA 7471A Soil | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050635 - EPA 3550B GC** | | | | | | | | | | |
| **Blank (1050635-BLK1)** | | | | Prepared: 05/06/21 Analyzed: 05/08/21 | | | | | | |
| C6-C12 (GRO) | ND | 10 | mg/kg | | | | | | | |
| C13-C22 (DRO) | ND | 10 | " | | | | | | | |
| C23-C32 (MORO) | ND | 10 | " | | | | | | | |
| *Surrogate: p-Terphenyl* | *105* | | *"* | *100* | | *105* | *65-135* | | | |
| **LCS (1050635-BS1)** | | | | Prepared: 05/06/21 Analyzed: 05/08/21 | | | | | | |
| C13-C22 (DRO) | 410 | 10 | mg/kg | 500 | | 81.1 | 75-125 | | | |
| *Surrogate: p-Terphenyl* | *108* | | *"* | *100* | | *108* | *65-135* | | | |
| **LCS Dup (1050635-BSD1)** | | | | Prepared: 05/06/21 Analyzed: 05/08/21 | | | | | | |
| C13-C22 (DRO) | 400 | 10 | mg/kg | 500 | | 80.4 | 75-125 | 0.887 | 20 | |
| *Surrogate: p-Terphenyl* | *107* | | *"* | *100* | | *107* | *65-135* | | | |

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

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SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050640 - EPA 3050B** | | | | | | | | | | |
| **Blank (1050640-BLK1)** | | | | Prepared: 05/06/21 Analyzed: 05/07/21 | | | | | | |
| 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 | " | | | | | | | |
| Selenium | ND | 5.0 | " | | | | | | | |
| Thallium | ND | 5.0 | " | | | | | | | |
| Vanadium | ND | 5.0 | " | | | | | | | |
| Zinc | ND | 1.0 | " | | | | | | | |
| **LCS (1050640-BS1)** | | | | Prepared: 05/06/21 Analyzed: 05/07/21 | | | | | | |
| Arsenic | 95.8 | 5.0 | mg/kg | 100 | | 95.8 | 75-125 | | | |
| Barium | 100 | 1.0 | " | 100 | | 100 | 75-125 | | | |
| Cadmium | 99.9 | 2.0 | " | 100 | | 99.9 | 75-125 | | | |
| Chromium | 99.5 | 2.0 | " | 100 | | 99.5 | 75-125 | | | |
| Lead | 96.4 | 3.0 | " | 100 | | 96.4 | 75-125 | | | |
| **Matrix Spike (1050640-MS1)** | | **Source: T211549-04** | | Prepared: 05/06/21 Analyzed: 05/07/21 | | | | | | |
| Arsenic | 63.4 | 5.0 | mg/kg | 92.6 | 1.30 | 67.0 | 75-125 | | | QM-05 |
| Barium | 131 | 1.0 | " | 92.6 | 71.6 | 64.6 | 75-125 | | | QM-05 |
| Cadmium | 58.7 | 2.0 | " | 92.6 | 0.401 | 63.0 | 75-125 | | | QM-05 |
| Chromium | 75.9 | 2.0 | " | 92.6 | 19.2 | 61.2 | 75-125 | | | QM-05 |
| Lead | 60.4 | 3.0 | " | 92.6 | 4.78 | 60.1 | 75-125 | | | QM-05 |

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| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050640 - EPA 3050B** | | | | | | | | | | |
| **Matrix Spike Dup (1050640-MSD1)** | | **Source: T211549-04** | | Prepared: 05/06/21 Analyzed: 05/07/21 | | | | | | |
| Arsenic | 60.9 | 4.5 | mg/kg | 90.9 | 1.30 | 65.6 | 75-125 | 3.91 | 20 | QM-05 |
| Barium | 132 | 0.91 | " | 90.9 | 71.6 | 66.3 | 75-125 | 0.344 | 20 | QM-05 |
| Cadmium | 58.3 | 1.8 | " | 90.9 | 0.401 | 63.7 | 75-125 | 0.670 | 20 | QM-05 |
| Chromium | 77.8 | 1.8 | " | 90.9 | 19.2 | 64.4 | 75-125 | 2.48 | 20 | QM-05 |
| Lead | 59.4 | 2.7 | " | 90.9 | 4.78 | 60.1 | 75-125 | 1.58 | 20 | QM-05 |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050641 - EPA 7471A Soil** | | | | | | | | | | |
| **Blank (1050641-BLK1)** | | | | Prepared: 05/06/21 Analyzed: 05/10/21 | | | | | | |
| Mercury | ND | 0.10 | mg/kg | | | | | | | |
| **LCS (1050641-BS1)** | | | | Prepared: 05/06/21 Analyzed: 05/10/21 | | | | | | |
| Mercury | 0.335 | 0.10 | mg/kg | 0.385 | | 87.1 | 80-120 | | | |
| **Matrix Spike (1050641-MS1)** | | **Source: T211549-04** | | Prepared: 05/06/21 Analyzed: 05/10/21 | | | | | | |
| Mercury | 0.378 | 0.10 | mg/kg | 0.385 | ND | 98.2 | 75-125 | | | |
| **Matrix Spike Dup (1050641-MSD1)** | | **Source: T211549-04** | | Prepared: 05/06/21 Analyzed: 05/10/21 | | | | | | |
| Mercury | 0.349 | 0.10 | mg/kg | 0.385 | ND | 90.8 | 75-125 | 7.78 | 20 | |

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050707 - EPA 5030 GCMS** | | | | | | | | | | |
| **Blank (1050707-BLK1)** | | | | Prepared & Analyzed: 05/07/21 | | | | | | |
| Bromobenzene | ND | 0.0025 | mg/kg | | | | | | | |
| Bromochloromethane | ND | 0.0025 | " | | | | | | | |
| Bromodichloromethane | ND | 0.0025 | " | | | | | | | |
| Bromoform | ND | 0.0025 | " | | | | | | | |
| Bromomethane | ND | 0.0025 | " | | | | | | | |
| n-Butylbenzene | ND | 0.0025 | " | | | | | | | |
| sec-Butylbenzene | ND | 0.0025 | " | | | | | | | |
| tert-Butylbenzene | ND | 0.0025 | " | | | | | | | |
| Carbon tetrachloride | ND | 0.0025 | " | | | | | | | |
| Chlorobenzene | ND | 0.0025 | " | | | | | | | |
| Chloroethane | ND | 0.0025 | " | | | | | | | |
| Chloroform | ND | 0.0025 | " | | | | | | | |
| Chloromethane | ND | 0.0025 | " | | | | | | | |
| 2-Chlorotoluene | ND | 0.0025 | " | | | | | | | |
| 4-Chlorotoluene | ND | 0.0025 | " | | | | | | | |
| Dibromochloromethane | ND | 0.0025 | " | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.0025 | " | | | | | | | |
| Dibromomethane | ND | 0.0025 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.0025 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.0025 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0025 | " | | | | | | | |
| Dichlorodifluoromethane | ND | 0.0025 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 0.0025 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0025 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 0.0025 | " | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0025 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.0025 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.0025 | " | | | | | | | |
| 1,3-Dichloropropane | ND | 0.0025 | " | | | | | | | |
| 2,2-Dichloropropane | ND | 0.0025 | " | | | | | | | |
| 1,1-Dichloropropene | ND | 0.0025 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.0025 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.0025 | " | | | | | | | |
| Hexachlorobutadiene | ND | 0.0025 | " | | | | | | | |
| Isopropylbenzene | ND | 0.0025 | " | | | | | | | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050707 - EPA 5030 GCMS** | | | | | | | | | | |
| **Blank (1050707-BLK1)** | | | | Prepared & Analyzed: 05/07/21 | | | | | | |
| p-Isopropyltoluene | ND | 0.0025 | mg/kg | | | | | | | |
| Methylene chloride | 0.0121 | 0.010 | " | | | | | | | B-03 |
| Naphthalene | ND | 0.0025 | " | | | | | | | |
| n-Propylbenzene | ND | 0.0025 | " | | | | | | | |
| Styrene | ND | 0.0025 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0025 | " | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0025 | " | | | | | | | |
| Tetrachloroethene | ND | 0.0025 | " | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 0.0025 | " | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.0025 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0025 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.0025 | " | | | | | | | |
| Trichloroethene | ND | 0.0025 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.0025 | " | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.0025 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0025 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0025 | " | | | | | | | |
| Vinyl chloride | ND | 0.0025 | " | | | | | | | |
| Benzene | ND | 0.0025 | " | | | | | | | |
| Toluene | ND | 0.0025 | " | | | | | | | |
| Ethylbenzene | ND | 0.0025 | " | | | | | | | |
| m,p-Xylene | ND | 0.0050 | " | | | | | | | |
| o-Xylene | ND | 0.0025 | " | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0486* | | *"* | *0.0500* | | *97.2* | *75.4-139* | | | |
| *Surrogate: Dibromofluoromethane* | *0.0484* | | *"* | *0.0500* | | *96.7* | *73.1-125* | | | |
| *Surrogate: Toluene-d8* | *0.0487* | | *"* | *0.0500* | | *97.4* | *82.6-117* | | | |
| **LCS (1050707-BS1)** | | | | Prepared & Analyzed: 05/07/21 | | | | | | |
| Chlorobenzene | 0.0546 | 0.0025 | mg/kg | 0.0500 | | 109 | 65.2-124 | | | |
| 1,1-Dichloroethene | 0.0485 | 0.0025 | " | 0.0500 | | 97.0 | 60.9-131 | | | |
| Trichloroethene | 0.0484 | 0.0025 | " | 0.0500 | | 96.9 | 62.1-126 | | | |
| Benzene | 0.0456 | 0.0025 | " | 0.0500 | | 91.3 | 65.3-127 | | | |
| Toluene | 0.0436 | 0.0025 | " | 0.0500 | | 87.1 | 64.3-122 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0526* | | *"* | *0.0500* | | *105* | *75.4-139* | | | |
| *Surrogate: Dibromofluoromethane* | *0.0485* | | *"* | *0.0500* | | *97.1* | *73.1-125* | | | |
| *Surrogate: Toluene-d8* | *0.0482* | | *"* | *0.0500* | | *96.4* | *82.6-117* | | | |

SunStar Laboratories, Inc.

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| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## 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 1050707 - EPA 5030 GCMS** | | | | | | | | | | |
| **Matrix Spike (1050707-MS1)** | | **Source: T211557-06** | | Prepared & Analyzed: 05/07/21 | | | | | | |
| Chlorobenzene | 0.0505 | 0.0025 | mg/kg | 0.0491 | ND | 103 | 65.2-125 | | | |
| 1,1-Dichloroethene | 0.0457 | 0.0025 | " | 0.0491 | ND | 93.0 | 60.9-131 | | | |
| Trichloroethene | 0.0446 | 0.0025 | " | 0.0491 | ND | 90.7 | 62.1-126 | | | |
| Benzene | 0.0438 | 0.0025 | " | 0.0491 | ND | 89.2 | 65.3-127 | | | |
| Toluene | 0.0411 | 0.0025 | " | 0.0491 | ND | 83.7 | 64.3-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0501* | | *"* | *0.0491* | | *102* | *75.4-139* | | | |
| *Surrogate: Dibromofluoromethane* | *0.0473* | | *"* | *0.0491* | | *96.2* | *73.1-125* | | | |
| *Surrogate: Toluene-d8* | *0.0474* | | *"* | *0.0491* | | *96.6* | *82.6-117* | | | |
| **Matrix Spike Dup (1050707-MSD1)** | | **Source: T211557-06** | | Prepared: 05/07/21 Analyzed: 05/10/21 | | | | | | |
| Chlorobenzene | 0.0352 | 0.0025 | mg/kg | 0.0493 | ND | 71.3 | 65.2-125 | 35.9 | 20 | QM-07 |
| 1,1-Dichloroethene | 0.0314 | 0.0025 | " | 0.0493 | ND | 63.6 | 60.9-131 | 37.2 | 20 | QM-07 |
| Trichloroethene | 0.0322 | 0.0025 | " | 0.0493 | ND | 65.3 | 62.1-126 | 32.2 | 20 | QM-07 |
| Benzene | 0.0311 | 0.0025 | " | 0.0493 | ND | 63.0 | 65.3-127 | 34.1 | 20 | QM-07 |
| Toluene | 0.0302 | 0.0025 | " | 0.0493 | ND | 61.3 | 64.3-125 | 30.5 | 20 | QM-07 |
| *Surrogate: 4-Bromofluorobenzene* | *0.0492* | | *"* | *0.0493* | | *99.8* | *75.4-139* | | | |
| *Surrogate: Dibromofluoromethane* | *0.0502* | | *"* | *0.0493* | | *102* | *73.1-125* | | | |
| *Surrogate: Toluene-d8* | *0.0474* | | *"* | *0.0493* | | *96.2* | *82.6-117* | | | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/18/21 17:17 |

## Notes and Definitions

| | |
|---|---|
| QM-07 | The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| 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. |
| B-03 | Analyte present in blank due to being a common laboratory contaminant. |
| 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 |

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Jeff Lee, Project Manager

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

# CHAIN OF CUSTODY RECORD

**Terracon**
Consulting Engineers & Scientists

Office Location 1421 Edinger Ave Suite C Tustin

Project Manager Fabio M.

Laboratory: Sunstar

Address:

Contact:

Phone:

PO/SO #:

Lab use only
Due Date:

Temp. of coolers when received (C°): 4.1°C

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Page ____ of ____

T211549

Sampler's Name

Sampler's Signature: Jose Mario

Proj. No. 60217228

Project Name: Proposed Senior Living Development

No/Type of Containers: 4B 8oz Jars

ANALYSIS REQUESTED: VOCs - 8260B; TPH - 8015B; CAM-17 Metals - 6010B/7471; Hold

| Matrix | Date | Time | Comp | Grab | Identifying Marks of Sampe(s) | Start Depth | End Depth | VOA | A/G 1Ll | 250 ml | P/O | VOCs - 8260B | TPH - 8015B | CAM-17 Metals - 6010B/7471 | Hold | Lab Sample ID (Lab Use Only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 5-5-21 | 0850 | | X | VP-1-11 | | | | | | ✓ | X | X | | | 01 |
| ↓ | ↓ | 0940 | | X | VP-2-9 | | | | | | ↓ | X | X | | | 02 |
| | | 1035 | | X | VP-3-7 | | | | | | | X | X | | | 03 |
| | | 1040 | X | | COMP-1 | | | | | | | | | X | | 04 |
| | | 1105 | | X | VP-4-3 | | | | | | | X | X | | | 05 |
| | | 1140 | X | | COMP-2 | | | | | | | | | X | | 06 |
| | | 1200 | | X | VP-5-3 | | | | | | | X | X | | | 07 |
| | | 1325 | | X | VP-6-6 | | | | | | | X | X | | | 08 |
| | | 1430 | | X | VP-7-10 | | | | | | | X | X | | | 09 |
| ↓ | ↓ | 1450 | | X | VP-8-2 | | | | | | ✓ | X | X | | | 10 |

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
|---|---|---|---|---|---|
| | 5/6/21 | 12:58 | Paul Dunn | 5/6/21 | 12:58 |
| Paul Dunn | 5/6/21 | 13:47 | Jennifer Bay | 5/6/21 | 13:47 |
| | | | | | |
| | | | | | |

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - Sludge; O - Oil

Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other ____


**Orange County Office**
1421 Edinger Ave, Suite C
Tustin, California 92780
Office (949) 261-0051
Fax (949) 261-6110


temperature received 4.1°C QR 5/6/21

ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

# CHAIN OF CUSTODY RECORD

**Terracon**
Consulting Engineers & Scientists

Office Location 1421 Edinger Ave Suite C Tustin

Project Manager Fabra

Laboratory: Spectra

Address:

Contact:

Phone:

PO/SO #:

Sampler's Name: Jose Martin

Sampler's Signature

Lab use only
Due Date:

Temp. of coolers when received (C°): 4.1°C

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Page ____ of ____

Proj. No. 60217288

Project Name: Proposed Sunset Living Development

No/Type of Containers: 8oz Jar

ANALYSIS REQUESTED

| Matrix | Date | Time | Comp | Grab | Identifying Marks of Sampe(s) | Start Depth | End Depth | VOA | A/G 1Ll | 250 ml | P/O | VOCs - 8260B | TPH - 8015B | COM-17 Metals | 6010B/7471 | Lab Sample ID (Lab Use Only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S.6 | 5-5-21 | 1515 | X | | COMP-3 | | | | | | / | | | X | | ~~01~~ PB 11 |
| | | 1530 | | X | VP-9-5 | | | | | | / | X | X | | | ~~02~~ PB 12 |
| | | 1640 | | X | VP-10-5 | | | | | | / | | | | X | 13 |
| | | 1655 | | X | VP-10-15 | | | | | | / | X | X | | | 14 |
| | | 1744 | | X | VP-11-10 | | | | | | / | | | | X | 15 |
| | | 1750 | | X | VP-11-15 | | | | | | / | X | X | | | 16 |
| | | COMP-4 | X | | COMP-4 | | | | | | / | | | X | | 17 |

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
|---|---|---|---|---|---|
| | 5-6-21 | 12:58 | | 5/6/21 | 12:58 |
| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
| | 5/6/21 | 13:47 | | 5/6/21 | 13:47 |
| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - Sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other 8oz Jar


**Orange County Office**
1421 Edinger Ave, Suite C
Tustin, California 92780
Office (949) 261-0051
Fax (949) 261-6110


temperature received 4 1 or 9R 5/1/21

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Rev. 02 Date 07/19
Receiving Form 001

# SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:

Client Name: Terracon - Tustin

Project: proposed senior living development + - HB

Delivered by: ☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: Paul

Date/Time Courier Received: 5/6/21 12:58

Lab Received by: JB

Date/Time Lab Received: 5/6/21 13:47

Total number of coolers received: 1 Thermometer ID: SC-GUN Calibration due: 8/17/21

| | | | | |
|---|---|---|---|---|
| Temperature: | Cooler #1 | 4.3 °C +/- the CF (-0.2°C) = | 4.1 | °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 5/6/21

**Comments:**



(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

## Jeff Lee

**From:** Marin, Jose <Jose.Marin@terracon.com>
**Sent:** Tuesday, May 18, 2021 5:11 PM
**To:** Jeff Lee; Minervini, Fabio M
**Cc:** Cathy Hartman; Rebecca Traficanto
**Subject:** RE: Final Report and Invoice for Proposed Senior Living Development (T211549)

Jeff,

For this report can we change the ID for the last boring from VP-11 to B-11. Let me know if you would like me to send an updated COC on my end. Thank You in advance.

Jose Marin
Assistant Geologist
**Terracon Consultants Inc.**
1421 Edinger Avenue, Suite C|Tustin, CA 92780
Direct: 949.864.2077 | Cell: 714.604.3017
Jose.Marin@Terracon.com \ www.terracon.com

---

**From:** Jeff Lee <jefflee@sunstarlabs.com>
**Sent:** Wednesday, May 12, 2021 8:58 AM
**To:** Minervini, Fabio M <Fabio.Minervini@terracon.com>; Marin, Jose <Jose.Marin@terracon.com>
**Cc:** Cathy Hartman <accounting@sunstarlabs.com>; Rebecca Traficanto <rebecca@sunstarlabs.com>
**Subject:** Final Report and Invoice for Proposed Senior Living Development (T211549)

Hello Fabio and Jose,

Please find attached the final report and invoice for the following:

Project: **Proposed Senior Living Development**
Project Number: **60217228**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,

**Jeff Lee**
**Project Manager**

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 [illegible] Dr., [illegible] Forest, CA 92630
PH: (949) 297-5020
ELAP Accreditation: 2253 State of Nevada Accreditation: CA012844-2019-1
ISO/IEC 17025 Accreditation: AT-2342 CA State Business Certification: 31511

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Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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*Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.*

WORK ORDER

Printed: 5/6/2021 3:06:30PM

# T211549

## SunStar Laboratories, Inc.

**Client:** Terracon - Tustin
**Project:** Proposed Senior Living

**Project Manager:** Jeff Lee
**Project Number:** 60217228

**Report To:**
Terracon - Tustin
Fabio Minervini
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Phone: (949) 383-1984
Fax: (949) 660-9732

**Invoice To:**
Terracon - Tustin
Fabio Minervini
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Phone :(949) 383-1984
Fax: (949) 660-9732

Date Due: 05/13/21 17:00 (5 day TAT)

Received By: Jennifer Berger
Date Received: 05/06/21 13:47

Logged In By: Jeff Lee
Date Logged In: 05/06/21 14:59

Samples Received at: **4.1°C**

| | | | |
|---|---|---|---|
| Custody Seals | No | Received On Ice | Yes |
| Containers Intact | Yes | | |
| COC/Labels Agree | Yes | | |
| Preservation Confirı | No | | |

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **T211549-01 VP-1-11 [Soil] Sampled 05/05/21 08:50 (GMT-08:00) Pacific Time (US &** | | | | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 08:50 | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 08:50 | |
| **T211549-02 VP-2-9 [Soil] Sampled 05/05/21 09:40 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 09:40 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 09:40 | |
| **T211549-03 VP-3-7 [Soil] Sampled 05/05/21 10:35 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 10:35 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 10:35 | |
| **T211549-04 COMP-1 [Soil] Sampled 05/05/21 10:40 (GMT-08:00) Pacific Time (US &** | | | | |
| 6010 Title 22 | 05/13/21 15:00 | 5 | 11/01/21 10:40 | |
| **T211549-05 VP-4-3 [Soil] Sampled 05/05/21 11:05 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 11:05 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 11:05 | |

# T211549

## SunStar Laboratories, Inc.

**Client:** Terracon - Tustin
**Project:** Proposed Senior Living
**Project Manager:** Jeff Lee
**Project Number:** 60217228

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **T211549-06 COMP-2 [Soil] Sampled 05/05/21 11:40 (GMT-08:00) Pacific Time (US &** | | | | |
| 6010 Title 22 | 05/13/21 15:00 | 5 | 11/01/21 11:40 | |
| **T211549-07 VP-5-3 [Soil] Sampled 05/05/21 12:00 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 12:00 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 12:00 | |
| **T211549-08 VP-6-6 [Soil] Sampled 05/05/21 13:25 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 13:25 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 13:25 | |
| **T211549-09 VP-7-10 [Soil] Sampled 05/05/21 14:30 (GMT-08:00) Pacific Time (US &** | | | | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 14:30 | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 14:30 | |
| **T211549-10 VP-8-2 [Soil] Sampled 05/05/21 14:50 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 14:50 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 14:50 | |
| **T211549-11 COMP-3 [Soil] Sampled 05/05/21 15:15 (GMT-08:00) Pacific Time (US &** | | | | |
| 6010 Title 22 | 05/13/21 15:00 | 5 | 11/01/21 15:15 | |
| **T211549-12 VP-9-5 [Soil] Sampled 05/05/21 15:30 (GMT-08:00) Pacific Time (US &** | | | | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 15:30 | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 15:30 | |
| **T211549-13 VP-10-5 [Soil] Sampled 05/05/21 16:40 (GMT-08:00) Pacific Time (US &** | | | | **HOLD** |
| [NO ANALYSES] | | | | |
| **T211549-14 VP-10-15 [Soil] Sampled 05/05/21 16:55 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 16:55 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 16:55 | |

# T211549

## SunStar Laboratories, Inc.

**Client:** Terracon - Tustin
**Project:** Proposed Senior Living
**Project Manager:** Jeff Lee
**Project Number:** 60217228

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **T211549-15 VP-11-10 [Soil] Sampled 05/05/21 17:44 (GMT-08:00) Pacific Time (US &** | | | | **HOLD** |
| [NO ANALYSES] | | | | |
| **T211549-16 VP-11-15 [Soil] Sampled 05/05/21 17:50 (GMT-08:00) Pacific Time (US &** | | | | |
| 8015 CC (6-12)(13-22)(23-32) | 05/11/21 15:00 | 3 | 05/19/21 17:50 | |
| 8260 | 05/11/21 15:00 | 3 | 05/19/21 17:50 | |
| **T211549-17 COMP-4 [Soil] Sampled 05/05/21 17:55 (GMT-08:00) Pacific Time (US &** | | | | |
| 6010 Title 22 | 05/13/21 15:00 | 5 | 11/01/21 17:55 | |

**Analysis groups included in this work order**

*6010 Title 22*

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

**25712 Commercentre Drive**
**Lake Forest, California 92630**
**949.297.5020 Phone**
**949.297.5027 Fax**

17 May 2021

Fabio Minervini
Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin, CA 92780

RE: Proposed Senior Living

Enclosed are the results of analyses for samples received by the laboratory on 05/06/21 13:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
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**

| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| VP-1 | T211558-01 | Air | 05/06/21 11:18 | 05/06/21 13:47 |
| VP-2 | T211558-02 | Air | 05/06/21 11:50 | 05/06/21 13:47 |
| VP-3 | T211558-03 | Air | 05/06/21 13:28 | 05/06/21 13:47 |
| VP-4 | T211558-04 | Air | 05/06/21 13:48 | 05/06/21 13:47 |
| VP-5 | T211558-05 | Air | 05/06/21 14:28 | 05/06/21 13:47 |
| VP-6 | T211558-06 | Air | 05/06/21 15:39 | 05/06/21 13:47 |
| VP-7 | T211558-07 | Air | 05/06/21 16:46 | 05/06/21 13:47 |
| VP-8 | T211558-08 | Air | 05/06/21 17:24 | 05/06/21 13:47 |
| VP-9 | T211558-09 | Air | 05/06/21 18:29 | 05/06/21 13:47 |
| VP-10 | T211558-10 | Air | 05/06/21 19:07 | 05/06/21 13:47 |

Sample #5 "VP-5" was analyzed by the due to instrumentation issues, the data was unreportable and all samples are used.
TO-15 screening data is reported for sample #5. JL 5/17/21

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
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| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## DETECTIONS SUMMARY

**Sample ID:** VP-1 **Laboratory ID:** T211558-01

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| 1,1-Difluoroethane (Freon 152) | **3.5** | | ug/m³ Air | TO-15 | |
| Acetone | **110** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **10** | 4.5 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **15** | 13 | ug/m³ Air | TO-15 | |
| Hexane | **5.4** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **12** | 31 | ug/m³ Air | TO-15 | J |
| Tetrachloroethene | **5.9** | 6.9 | ug/m³ Air | TO-15 | J |
| 2-Butanone (MEK) | **22** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **7.6** | 42 | ug/m³ Air | TO-15 | J |
| Benzene | **3.5** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **11** | 3.8 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **8.7** | 8.8 | ug/m³ Air | TO-15 | J |

**Sample ID:** VP-2 **Laboratory ID:** T211558-02

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **130** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **22** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **3.4** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **16** | 13 | ug/m³ Air | TO-15 | |
| Chloromethane | **3.8** | 11 | ug/m³ Air | TO-15 | J |
| Hexane | **5.5** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **19** | 31 | ug/m³ Air | TO-15 | J |
| Tetrachloroethene | **21** | 6.9 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **41** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **23** | 42 | ug/m³ Air | TO-15 | J |
| Benzene | **7.1** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **21** | 3.8 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **11** | 8.8 | ug/m³ Air | TO-15 | |

SunStar Laboratories, Inc.

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

**Sample ID:** VP-3 **Laboratory ID:** T211558-03

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **190** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **6.0** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **13** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **8.9** | 13 | ug/m³ Air | TO-15 | J |
| Chloromethane | **3.2** | 11 | ug/m³ Air | TO-15 | J |
| Heptane | **4.6** | 4.2 | ug/m³ Air | TO-15 | |
| Hexane | **31** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **9.5** | 31 | ug/m³ Air | TO-15 | J |
| 4-Ethyltoluene | **1.3** | 5.0 | ug/m³ Air | TO-15 | J |
| Styrene | **4.9** | 4.3 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **56** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **10** | 42 | ug/m³ Air | TO-15 | J |
| Benzene | **22** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **190** | 3.8 | ug/m³ Air | TO-15 | |
| Ethylbenzene | **15** | 4.4 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **42** | 8.8 | ug/m³ Air | TO-15 | |
| o-Xylene | **12** | 4.4 | ug/m³ Air | TO-15 | |

**Sample ID:** VP-4 **Laboratory ID:** T211558-04

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| 1,1-Difluoroethane (Freon 152) | **7.3** | | ug/m³ Air | TO-15 | |
| Acetone | **96** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **6.3** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **3.5** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **12** | 13 | ug/m³ Air | TO-15 | J |
| Hexane | **19** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **12** | 31 | ug/m³ Air | TO-15 | J |
| Tetrahydrofuran | **33** | 3.0 | ug/m³ Air | TO-15 | |
| 1,2,4-Trimethylbenzene | **9.4** | 5.0 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **88** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **31** | 42 | ug/m³ Air | TO-15 | J |
| Toluene | **74** | 3.8 | ug/m³ Air | TO-15 | |
| Ethylbenzene | **9.4** | 4.4 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **38** | 8.8 | ug/m³ Air | TO-15 | |
| o-Xylene | **12** | 4.4 | ug/m³ Air | TO-15 | |

SunStar Laboratories, Inc.

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | Reported: |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

**Sample ID:** VP-5 **Laboratory ID:** T211558-05

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Toluene | **91** | 190 | ug/m³ Air | TO-15 | J |

**Sample ID:** VP-6 **Laboratory ID:** T211558-06

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **170** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **88** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **9.1** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **10** | 13 | ug/m³ Air | TO-15 | J |
| Chloroform | **8.4** | 5.0 | ug/m³ Air | TO-15 | |
| Cyclohexane | **5.9** | 3.5 | ug/m³ Air | TO-15 | |
| Heptane | **7.8** | 4.2 | ug/m³ Air | TO-15 | |
| Hexane | **27** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **8.5** | 31 | ug/m³ Air | TO-15 | J |
| Styrene | **2.0** | 4.3 | ug/m³ Air | TO-15 | J |
| Tetrahydrofuran | **40** | 3.0 | ug/m³ Air | TO-15 | |
| Tetrachloroethene | **72** | 6.9 | ug/m³ Air | TO-15 | |
| Trichloroethene | **7.7** | 5.5 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **120** | 15 | ug/m³ Air | TO-15 | |
| Benzene | **16** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **21** | 3.8 | ug/m³ Air | TO-15 | |
| Ethylbenzene | **5.1** | 4.4 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **10** | 8.8 | ug/m³ Air | TO-15 | |
| o-Xylene | **4.2** | 4.4 | ug/m³ Air | TO-15 | J |

**Sample ID:** VP-7 **Laboratory ID:** T211558-07

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **170** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **19** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **3.2** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **26** | 13 | ug/m³ Air | TO-15 | |
| Hexane | **8.0** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **7.8** | 31 | ug/m³ Air | TO-15 | J |
| Tetrahydrofuran | **50** | 3.0 | ug/m³ Air | TO-15 | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

**Sample ID:** VP-7 **Laboratory ID:** T211558-07

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Tetrachloroethene | **200** | 6.9 | ug/m³ Air | TO-15 | |
| Trichloroethene | **7.4** | 5.5 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **180** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **60** | 42 | ug/m³ Air | TO-15 | |
| Benzene | **7.1** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **8.9** | 3.8 | ug/m³ Air | TO-15 | |

**Sample ID:** VP-8 **Laboratory ID:** T211558-08

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **100** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **7.1** | 4.5 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **10** | 13 | ug/m³ Air | TO-15 | J |
| Hexane | **13** | 3.6 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **7.4** | 31 | ug/m³ Air | TO-15 | J |
| Tetrahydrofuran | **25** | 3.0 | ug/m³ Air | TO-15 | |
| Tetrachloroethene | **900** | 6.9 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **91** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **22** | 42 | ug/m³ Air | TO-15 | J |
| Benzene | **3.7** | 3.3 | ug/m³ Air | TO-15 | |
| Toluene | **100** | 3.8 | ug/m³ Air | TO-15 | |
| Ethylbenzene | **7.7** | 4.4 | ug/m³ Air | TO-15 | |
| m,p-Xylene | **27** | 8.8 | ug/m³ Air | TO-15 | |
| o-Xylene | **7.9** | 4.4 | ug/m³ Air | TO-15 | |

**Sample ID:** VP-9 **Laboratory ID:** T211558-09

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **120** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **7.1** | 4.5 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **9.5** | 13 | ug/m³ Air | TO-15 | J |
| Chloroform | **8.7** | 5.0 | ug/m³ Air | TO-15 | |
| 1,3-Dichlorobenzene | **5.7** | 31 | ug/m³ Air | TO-15 | J |
| Tetrahydrofuran | **11** | 3.0 | ug/m³ Air | TO-15 | |
| Tetrachloroethene | **860** | 6.9 | ug/m³ Air | TO-15 | |

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**Sample ID:** VP-9 **Laboratory ID:** T211558-09

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Trichloroethene | **14** | 5.5 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **52** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **13** | 42 | ug/m³ Air | TO-15 | J |

**Sample ID:** VP-10 **Laboratory ID:** T211558-10

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| Acetone | **91** | 12 | ug/m³ Air | TO-15 | |
| 1,3-Butadiene | **5.1** | 4.5 | ug/m³ Air | TO-15 | |
| Carbon Disulfide | **15** | 3.2 | ug/m³ Air | TO-15 | |
| Isopropyl alcohol | **8.7** | 13 | ug/m³ Air | TO-15 | J |
| Hexane | **6.9** | 3.6 | ug/m³ Air | TO-15 | |
| Tetrahydrofuran | **13** | 3.0 | ug/m³ Air | TO-15 | |
| Tetrachloroethene | **500** | 6.9 | ug/m³ Air | TO-15 | |
| 2-Butanone (MEK) | **59** | 15 | ug/m³ Air | TO-15 | |
| Methyl isobutyl ketone | **14** | 42 | ug/m³ Air | TO-15 | J |
| Toluene | **3.4** | 3.8 | ug/m³ Air | TO-15 | J |

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## VP-1

### T211558-01(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| **1,1-Difluoroethane (Freon 152)** | **3.5** | | | ug/m³ Air | 1.75 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| **Acetone** | **110** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **10** | 0.29 | 4.5 | " | " | " | " | " | " | |
| Carbon Disulfide | ND | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **15** | 0.55 | 13 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **5.4** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **12** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-1

### T211558-01(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | ug/m³ Air | 1.75 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| Styrene | ND | 0.19 | 4.3 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| Tetrahydrofuran | ND | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **5.9** | 0.21 | 6.9 | " | " | " | " | " | " | J |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **22** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **7.6** | 0.14 | 42 | " | " | " | " | " | " | J |
| **Benzene** | **3.5** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **11** | 0.14 | 3.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **8.7** | 0.20 | 8.8 | " | " | " | " | " | " | J |
| o-Xylene | ND | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *99.2 %* | *59.2-130* | | " | " | " | " | |

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## VP-2

### T211558-02(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.97 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| **Acetone** | **130** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **22** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **3.4** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **16** | 0.55 | 13 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| **Chloromethane** | **3.8** | 0.46 | 11 | " | " | " | " | " | " | J |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **5.5** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **19** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.079 | 27 | " | " | " | " | " | " | |

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## VP-2

### T211558-02(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Styrene | ND | 0.19 | 4.3 | ug/m³ Air | 1.97 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| Tetrahydrofuran | ND | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **21** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **41** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **23** | 0.14 | 42 | " | " | " | " | " | " | J |
| **Benzene** | **7.1** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **21** | 0.14 | 3.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **11** | 0.20 | 8.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *99.6 %* | *59.2-130* | | " | " | " | " | |

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## VP-3

### T211558-03(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.68 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| **Acetone** | **190** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **6.0** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **13** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **8.9** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| **Chloromethane** | **3.2** | 0.46 | 11 | " | " | " | " | " | " | J |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| **Heptane** | **4.6** | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **31** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **9.5** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| **4-Ethyltoluene** | **1.3** | 0.25 | 5.0 | " | " | " | " | " | " | J |
| Methylene chloride | ND | 0.079 | 27 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-3

### T211558-03(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| **Styrene** | **4.9** | 0.19 | 4.3 | ug/m³ Air | 1.68 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| Tetrahydrofuran | ND | 0.25 | 3.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **56** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **10** | 0.14 | 42 | " | " | " | " | " | " | J |
| **Benzene** | **22** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **190** | 0.14 | 3.8 | " | " | " | " | " | " | |
| **Ethylbenzene** | **15** | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **42** | 0.20 | 8.8 | " | " | " | " | " | " | |
| **o-Xylene** | **12** | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *97.6 %* | *59.2-130* | | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-4

### T211558-04(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| **1,1-Difluoroethane (Freon 152)** | **7.3** | | | ug/m³ Air | 1.95 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| **Acetone** | **96** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **6.3** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **3.5** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **12** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **19** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **12** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.079 | 27 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## VP-4

### T211558-04(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Styrene | ND | 0.19 | 4.3 | ug/m³ Air | 1.95 | 1051034 | 05/10/21 | 05/12/21 | TO-15 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **33** | 0.25 | 3.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| **1,2,4-Trimethylbenzene** | **9.4** | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **88** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **31** | 0.14 | 42 | " | " | " | " | " | " | J |
| Benzene | ND | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **74** | 0.14 | 3.8 | " | " | " | " | " | " | |
| **Ethylbenzene** | **9.4** | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **38** | 0.20 | 8.8 | " | " | " | " | " | " | |
| **o-Xylene** | **12** | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *93.2 %* | *59.2-130* | | " | " | " | " | |

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| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-5

### T211558-05(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| SunStar Laboratories, Inc. | | | | | | | | | | |
| **TO-15** | | | | | | | | | | **AO-1, TO-15 High** |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.89 | 1051034 | 05/10/21 | 05/10/21 | TO-15 | |
| Acetone | ND | 17 | 120 | " | " | " | " | " | " | |
| 1,3-Butadiene | ND | 8.3 | 110 | " | " | " | " | " | " | |
| Carbon Disulfide | ND | 11 | 160 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 20 | 390 | " | " | " | " | " | " | |
| Isopropyl alcohol | ND | 22 | 130 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 15 | 340 | " | " | " | " | " | " | |
| Bromoform | ND | 26 | 530 | " | " | " | " | " | " | |
| Bromomethane | ND | 15 | 200 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 12 | 320 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | 230 | " | " | " | " | " | " | |
| Chloroethane | ND | 11 | 130 | " | " | " | " | " | " | |
| Chloroform | ND | 9.4 | 250 | " | " | " | " | " | " | |
| Chloromethane | ND | 7.4 | 110 | " | " | " | " | " | " | |
| Cyclohexane | ND | 12 | 170 | " | " | " | " | " | " | |
| Heptane | ND | 21 | 210 | " | " | " | " | " | " | |
| Hexane | ND | 10 | 180 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 24 | 430 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 13 | 390 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 18 | 310 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 24 | 310 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 22 | 310 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 15 | 250 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 10 | 210 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 14 | 210 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.5 | 200 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 9.7 | 200 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 13 | 200 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 24 | 240 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 13 | 230 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 8.3 | 230 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 15 | 250 | " | " | " | " | " | " | |

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## VP-5

### T211558-05(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| SunStar Laboratories, Inc. | | | | | | | | | | |
| **TO-15** | | | | | | | | | | **AO-1, TO-15 High** |
| Methylene chloride | ND | 17 | 180 | ug/m³ Air | 1.89 | 1051034 | 05/10/21 | 05/10/21 | TO-15 | |
| Styrene | ND | 13 | 220 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 19 | 350 | " | " | " | " | " | " | |
| Tetrahydrofuran | ND | 15 | 150 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 19 | 350 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 12 | 280 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 11 | 280 | " | " | " | " | " | " | |
| Trichloroethene | ND | 8.7 | 270 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 13 | 290 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 15 | 250 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 15 | 250 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 9.7 | 180 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 9.6 | 130 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 59 | 180 | " | " | " | " | " | " | |
| 2-Butanone (MEK) | ND | 11 | 150 | " | " | " | " | " | " | |
| Methyl isobutyl ketone | ND | 50 | 210 | " | " | " | " | " | " | |
| Benzene | ND | 4.9 | 160 | " | " | " | " | " | " | |
| **Toluene** | **91** | 11 | 190 | " | " | " | " | " | " | **J** |
| Ethylbenzene | ND | 10 | 220 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 15 | 220 | " | " | " | " | " | " | |
| o-Xylene | ND | 9.3 | 220 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *97.3 %* | *59.2-130* | | " | " | " | " | |

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## VP-6

### T211558-06(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.76 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| **Acetone** | **170** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **88** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **9.1** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **10** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| **Chloroform** | **8.4** | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| **Cyclohexane** | **5.9** | 0.16 | 3.5 | " | " | " | " | " | " | |
| **Heptane** | **7.8** | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **27** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **8.5** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.079 | 27 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
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## VP-6

### T211558-06(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| **Styrene** | **2.0** | 0.19 | 4.3 | ug/m³ Air | 1.76 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | J |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **40** | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **72** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| **Trichloroethene** | **7.7** | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **120** | 0.45 | 15 | " | " | " | " | " | " | |
| Methyl isobutyl ketone | ND | 0.14 | 42 | " | " | " | " | " | " | |
| **Benzene** | **16** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **21** | 0.14 | 3.8 | " | " | " | " | " | " | |
| **Ethylbenzene** | **5.1** | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **10** | 0.20 | 8.8 | " | " | " | " | " | " | |
| **o-Xylene** | **4.2** | 0.085 | 4.4 | " | " | " | " | " | " | J |
| *Surrogate: 4-Bromofluorobenzene* | | | *99.7 %* | *59.2-130* | | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-7

### T211558-07(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| SunStar Laboratories, Inc. | | | | | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.94 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| **Acetone** | **170** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **19** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **3.2** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **26** | 0.55 | 13 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **8.0** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **7.8** | 0.43 | 31 | " | " | " | " | " | " | **J** |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-7

### T211558-07(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | ug/m³ Air | 1.94 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| Styrene | ND | 0.19 | 4.3 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **50** | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **200** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| **Trichloroethene** | **7.4** | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **180** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **60** | 0.14 | 42 | " | " | " | " | " | " | |
| **Benzene** | **7.1** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **8.9** | 0.14 | 3.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.14 | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.20 | 8.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *97.2 %* | *59.2-130* | | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-8

### T211558-08(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.86 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| **Acetone** | **100** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **7.1** | 0.29 | 4.5 | " | " | " | " | " | " | |
| Carbon Disulfide | ND | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **10** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **13** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **7.4** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |

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| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-8

### T211558-08(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | ug/m³ Air | 1.86 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| Styrene | ND | 0.19 | 4.3 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **25** | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **900** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **91** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **22** | 0.14 | 42 | " | " | " | " | " | " | J |
| **Benzene** | **3.7** | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **100** | 0.14 | 3.8 | " | " | " | " | " | " | |
| **Ethylbenzene** | **7.7** | 0.14 | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **27** | 0.20 | 8.8 | " | " | " | " | " | " | |
| **o-Xylene** | **7.9** | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *98.5 %* | *59.2-130* | | " | " | " | " | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-9

### T211558-09(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.83 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| **Acetone** | **120** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **7.1** | 0.29 | 4.5 | " | " | " | " | " | " | |
| Carbon Disulfide | ND | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **9.5** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| **Chloroform** | **8.7** | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| Hexane | ND | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| **1,3-Dichlorobenzene** | **5.7** | 0.43 | 31 | " | " | " | " | " | " | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-9

### T211558-09(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | ug/m³ Air | 1.83 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| Styrene | ND | 0.19 | 4.3 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **11** | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **860** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| **Trichloroethene** | **14** | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **52** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **13** | 0.14 | 42 | " | " | " | " | " | " | J |
| Benzene | ND | 0.14 | 3.3 | " | " | " | " | " | " | |
| Toluene | ND | 0.14 | 3.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.14 | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.20 | 8.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *97.3 %* | *59.2-130* | | " | " | " | " | |

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| | | |
|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-10

### T211558-10(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| SunStar Laboratories, Inc. | | | | | | | | | | |
| **TO-15** | | | | | | | | | | |
| 1,1-Difluoroethane (Freon 152) | 0.0 | | | ug/m³ Air | 1.72 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| **Acetone** | **91** | 0.49 | 12 | " | " | " | " | " | " | |
| **1,3-Butadiene** | **5.1** | 0.29 | 4.5 | " | " | " | " | " | " | |
| **Carbon Disulfide** | **15** | 0.22 | 3.2 | " | " | " | " | " | " | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | " | " | " | " | " | |
| **Isopropyl alcohol** | **8.7** | 0.55 | 13 | " | " | " | " | " | " | J |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | " | " | " | " | " | |
| Bromoform | ND | 0.23 | 11 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.55 | 20 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.35 | 2.7 | " | " | " | " | " | " | |
| Chloroform | ND | 0.15 | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.46 | 11 | " | " | " | " | " | " | |
| Cyclohexane | ND | 0.16 | 3.5 | " | " | " | " | " | " | |
| Heptane | ND | 0.15 | 4.2 | " | " | " | " | " | " | |
| **Hexane** | **6.9** | 0.43 | 3.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.43 | 31 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | " | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## VP-10

### T211558-10(Air)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SunStar Laboratories, Inc. | | | | | | |
| **TO-15** | | | | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | ug/m³ Air | 1.72 | 1051034 | 05/10/21 | 05/13/21 | TO-15 | |
| Styrene | ND | 0.19 | 4.3 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | " | " | " | " | " | |
| **Tetrahydrofuran** | **13** | 0.25 | 3.0 | " | " | " | " | " | " | |
| **Tetrachloroethene** | **500** | 0.21 | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.21 | 5.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | " | " | " | " | " | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | " | " | " | " | " | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | " | " | " | " | " | |
| **2-Butanone (MEK)** | **59** | 0.45 | 15 | " | " | " | " | " | " | |
| **Methyl isobutyl ketone** | **14** | 0.14 | 42 | " | " | " | " | " | " | J |
| Benzene | ND | 0.14 | 3.3 | " | " | " | " | " | " | |
| **Toluene** | **3.4** | 0.14 | 3.8 | " | " | " | " | " | " | J |
| Ethylbenzene | ND | 0.14 | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 0.20 | 8.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.085 | 4.4 | " | " | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | | *99.6 %* | *59.2-130* | | " | " | " | " | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## TO-15 - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1051034 - Canister Analysis** | | | | | | | | | | | |
| **Blank (1051034-BLK1)** | | | | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *355* | | | *ug/m³ Air* | *362* | | *98.0* | *59.2-130* | | | |
| 1,1-Difluoroethane (Freon 152) | 0.00 | | | " | | | | | | | |
| Acetone | ND | 0.49 | 12 | " | | | | | | | |
| 1,3-Butadiene | ND | 0.29 | 4.5 | " | | | | | | | |
| Carbon Disulfide | ND | 0.22 | 3.2 | " | | | | | | | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | | | | | | | |
| Isopropyl alcohol | ND | 0.55 | 13 | " | | | | | | | |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | | | | | | | |
| Bromoform | ND | 0.23 | 11 | " | | | | | | | |
| Bromomethane | ND | 0.55 | 20 | " | | | | | | | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | | | | | | | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | | | | | | | |
| Chloroethane | ND | 0.35 | 2.7 | " | | | | | | | |
| Chloroform | ND | 0.15 | 5.0 | " | | | | | | | |
| Chloromethane | ND | 0.46 | 11 | " | | | | | | | |
| Cyclohexane | ND | 0.16 | 3.5 | " | | | | | | | |
| Heptane | ND | 0.15 | 4.2 | " | | | | | | | |
| Hexane | ND | 0.43 | 3.6 | " | | | | | | | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.43 | 31 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | | | | | | | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | | | | | | | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## TO-15 - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1051034 - Canister Analysis** | | | | | | | | | | | |
| **Blank (1051034-BLK1)** | | | | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | ug/m³ Air | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | | | | | | | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | | | | | | | |
| Methylene chloride | ND | 0.079 | 27 | " | | | | | | | |
| Styrene | ND | 0.19 | 4.3 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | | | | | | | |
| Tetrahydrofuran | ND | 0.25 | 3.0 | " | | | | | | | |
| Tetrachloroethene | ND | 0.21 | 6.9 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | | | | | | | |
| Trichloroethene | ND | 0.21 | 5.5 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | | | | | | | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | | | | | | | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | | | | | | | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | | | | | | | |
| 2-Butanone (MEK) | ND | 0.45 | 15 | " | | | | | | | |
| Methyl isobutyl ketone | ND | 0.14 | 42 | " | | | | | | | |
| Benzene | ND | 0.14 | 3.3 | " | | | | | | | |
| Toluene | ND | 0.14 | 3.8 | " | | | | | | | |
| Ethylbenzene | ND | 0.14 | 4.4 | " | | | | | | | |
| m,p-Xylene | ND | 0.20 | 8.8 | " | | | | | | | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## TO-15 - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1051034 - Canister Analysis** | | | | | | | | | | | |
| **Blank (1051034-BLK1)** | | | | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | |
| o-Xylene | ND | 0.085 | 4.4 | ug/m³ Air | | | | | | | |
| **Duplicate (1051034-DUP1)** | | **Source: T211558-01** | | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *342* | | | *ug/m³ Air* | *362* | | *94.6* | *59.2-130* | | | |
| 1,1-Difluoroethane (Freon 152) | 4.09 | | | " | | 3.51 | | | 15.2 | 30 | |
| Acetone | 113 | 0.49 | 12 | " | | 108 | | | 4.78 | 30 | |
| 1,3-Butadiene | 10.7 | 0.29 | 4.5 | " | | 10.3 | | | 4.49 | 30 | |
| Carbon Disulfide | ND | 0.22 | 3.2 | " | | ND | | | | 30 | |
| 1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113) | ND | 0.26 | 7.7 | " | | ND | | | | 30 | |
| Isopropyl alcohol | 13.7 | 0.55 | 13 | " | | 14.5 | | | 6.21 | 30 | |
| Bromodichloromethane | ND | 0.16 | 6.8 | " | | ND | | | | 30 | |
| Bromoform | ND | 0.23 | 11 | " | | ND | | | | 30 | |
| Bromomethane | ND | 0.55 | 20 | " | | ND | | | | 30 | |
| Carbon tetrachloride | ND | 0.055 | 6.4 | " | | ND | | | | 30 | |
| Chlorobenzene | ND | 0.098 | 4.7 | " | | ND | | | | 30 | |
| Chloroethane | ND | 0.35 | 2.7 | " | | ND | | | | 30 | |
| Chloroform | ND | 0.15 | 5.0 | " | | ND | | | | 30 | |
| Chloromethane | ND | 0.46 | 11 | " | | ND | | | | 30 | |
| Cyclohexane | ND | 0.16 | 3.5 | " | | ND | | | | 30 | |
| Heptane | ND | 0.15 | 4.2 | " | | ND | | | | 30 | |
| Hexane | 5.20 | 0.43 | 3.6 | " | | 5.39 | | | 3.55 | 30 | |
| Dibromochloromethane | ND | 0.26 | 8.7 | " | | ND | | | | 30 | |
| 1,2-Dibromoethane (EDB) | ND | 0.18 | 7.8 | " | | ND | | | | 30 | |
| 1,2-Dichlorobenzene | ND | 0.36 | 31 | " | | ND | | | | 30 | |
| 1,3-Dichlorobenzene | 12.4 | 0.43 | 31 | " | | 12.4 | | | 0.00 | 30 | J |
| 1,4-Dichlorobenzene | ND | 0.44 | 31 | " | | ND | | | | 30 | |
| Dichlorodifluoromethane | ND | 0.18 | 5.0 | " | | ND | | | | 30 | |

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|---|---|---|
| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## TO-15 - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1051034 - Canister Analysis** | | | | | | | | | | | |
| **Duplicate (1051034-DUP1)** | | **Source: T211558-01** | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | | |
| 1,1-Dichloroethane | ND | 0.23 | 4.1 | ug/m³ Air | | ND | | | | 30 | |
| 1,2-Dichloroethane | ND | 0.16 | 4.1 | " | | ND | | | | 30 | |
| 1,1-Dichloroethene | ND | 0.28 | 4.0 | " | | ND | | | | 30 | |
| cis-1,2-Dichloroethene | ND | 0.25 | 4.0 | " | | ND | | | | 30 | |
| trans-1,2-Dichloroethene | ND | 0.22 | 4.0 | " | | ND | | | | 30 | |
| 1,2-Dichloropropane | ND | 0.13 | 4.7 | " | | ND | | | | 30 | |
| cis-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | | ND | | | | 30 | |
| trans-1,3-Dichloropropene | ND | 0.21 | 4.6 | " | | ND | | | | 30 | |
| 4-Ethyltoluene | ND | 0.25 | 5.0 | " | | ND | | | | 30 | |
| Methylene chloride | ND | 0.079 | 27 | " | | ND | | | | 30 | |
| Styrene | ND | 0.19 | 4.3 | " | | ND | | | | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.54 | 7.0 | " | | ND | | | | 30 | |
| Tetrahydrofuran | ND | 0.25 | 3.0 | " | | ND | | | | 30 | |
| Tetrachloroethene | 6.16 | 0.21 | 6.9 | " | | 5.92 | | | 4.00 | 30 | J |
| 1,1,2-Trichloroethane | ND | 0.19 | 5.6 | " | | ND | | | | 30 | |
| 1,1,1-Trichloroethane | ND | 0.24 | 5.6 | " | | ND | | | | 30 | |
| Trichloroethene | ND | 0.21 | 5.5 | " | | ND | | | | 30 | |
| Trichlorofluoromethane | ND | 0.24 | 5.7 | " | | ND | | | | 30 | |
| 1,3,5-Trimethylbenzene | ND | 0.49 | 5.0 | " | | ND | | | | 30 | |
| 1,2,4-Trimethylbenzene | ND | 0.33 | 5.0 | " | | ND | | | | 30 | |
| Vinyl acetate | ND | 0.18 | 3.6 | " | | ND | | | | 30 | |
| Vinyl chloride | ND | 0.052 | 2.6 | " | | ND | | | | 30 | |
| 1,4-Dioxane | ND | 0.97 | 18 | " | | ND | | | | 30 | |
| 2-Butanone (MEK) | 21.8 | 0.45 | 15 | " | | 22.3 | | | 2.62 | 30 | |
| Methyl isobutyl ketone | 6.92 | 0.14 | 42 | " | | 7.65 | | | 10.0 | 30 | J |
| Benzene | 3.70 | 0.14 | 3.3 | " | | 3.53 | | | 4.72 | 30 | |
| Toluene | 10.3 | 0.14 | 3.8 | " | | 10.7 | | | 3.82 | 30 | |

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| Terracon - Tustin | Project: Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: Fabio Minervini | 05/17/21 17:23 |

## TO-15 - Quality Control

## SunStar Laboratories, Inc.

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1051034 - Canister Analysis** | | | | | | | | | | | |
| **Duplicate (1051034-DUP1)** | | **Source: T211558-01** | | Prepared: 05/10/21 Analyzed: 05/12/21 | | | | | | | |
| Ethylbenzene | ND | 0.14 | 4.4 | ug/m³ Air | | ND | | | | 30 | |
| m,p-Xylene | 8.43 | 0.20 | 8.8 | " | | 8.74 | | | 3.60 | 30 | J |
| o-Xylene | ND | 0.085 | 4.4 | " | | ND | | | | 30 | |

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|---|---|---|---|
| Terracon - Tustin | Project: | Proposed Senior Living | |
| 1421 Edinger Avenue, Suite C | Project Number: | 60217228 | **Reported:** |
| Tustin CA, 92780 | Project Manager: | Fabio Minervini | 05/17/21 17:23 |

## Notes and Definitions

| | |
|---|---|
| TO-15 High | TO-15 analysis of sample was analyzed using an elevated calibration range due to high analyte and/or background concentrations. The reporting limit has been adjusted accordingly. |
| J | Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |
| AO-1 | Due to instrument computer issues, TO-15 high level run cannot be reported, reporting sample results form TO-15 high level instead |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the Method Detection Limit (MDL) |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

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ENVIRONMENTAL, GEOTECHNICAL AND CONSTRUCTION MATERIALS SERVICES

# CHAIN OF CUSTODY RECORD

**Terracon**
Consulting Engineers & Scientists

Office Location 1421 Edinger Ave Tustin CA

Project Manager Fabian K

Laboratory: Sunstar

Address:

Contact:

Phone:

PO/SO #:

Sampler's Name: Jose Mata

Sampler's Signature

Proj. No. 602127228

Project Name: Proposed Senior Living Development

No/Type of Containers: 1 #8 Glass

ANALYSIS REQUESTED: TO-15, TO-14A

Lab use only
Due Date: TZ11558

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Page E of E

| Matrix | Date | Time | Comp | Grab | Identifying Marks of Sampe(s) | Start Depth | End Depth | VOA | A/G 1Ll | 250 ml | P/O | TO-15 | TO-14A | Lab Sample ID (Lab Use Only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-G | 5-6-21 | 1118 | | X | VP-1 | | | | | | ✓ | X | X | SSAT 0744 -36 -5 |
| | | 1150 | | | VP-2 | | | | | | | | | SSAT 0486 -36 -5 |
| | | 1328 | | | VP-3 | | | | | | | | | 0874 -29 -5 |
| | | 1348 | | | VP-4 | | | | | | | | | 622 -30 -5 |
| | | 1428 | | | VP-5 | | | | | | | | | 0431 -29 -5 |
| | | 1539 | | | VP-6 | | | | | | | | | 0489 -30 -5 |
| | | 1646 | | | VP-7 | | | | | | | | | 0278 -30 -5 |
| | | 1724 | | | VP-8 | | | | | | | | | 0784 -29 -5 |
| | | 1829 | | | VP-9 | | | | | | | | | 0796 -29 -5 |
| | | 1907 | | | VP-10 | | | | | | | | | 0415 -29 -5 |

Turn around time ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
|---|---|---|---|---|---|
| | 5/6/21 | 12:58 | Paul [illegible] | 5/6/21 | 12:58 |
| Relinquished by (Signature) Paul [illegible] | 5/6/21 | 13:47 | Received by: (Signature) [illegible] | 5/6/21 | 13:47 |
| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
| Relinquished by (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

NOTES:

Matrix: WW - Wastewater, W - Water, S - Soil, SD - Solid, L - Liquid, A - Air Bag, C - Charcoal tube, SL - Sludge, O - Oil

Container: VOA - 40 ml vial, A/G - Amber / Or Glass 1 Liter, 250 ml - Glass wide mouth, P/O - Plastic or other ~~S-G~~ 1 Liter Summa -


Orange County Office

1421 Edinger Ave, Suite C
Tustin, California 92780

Office (949) 261-0051
Fax (949) 261-6110


S-G = Soil Gas

~~Temperature received 4.1°C~~ 5/6/21 DR

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Rev. 02 Date 07/19
Receiving Form 001

# SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: _____

Client Name: Terracon

Project: Proposed Senior Living Development - HB

Delivered by: ☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: _____

Date/Time Courier Received: _____

Lab Received by: JB

Date/Time Lab Received: 5/6/21 13:47

Total number of coolers received: N/A Thermometer ID: SC-GUN Calibration due: 8/17/21

| | | | | |
|---|---|---|---|---|
| Temperature: | Cooler #1 | °C +/- the CF (-0.2°C) = | °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: _____

**Comments:**



(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

# SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

| Project Name: HINES PROPOSED SENIOR LIVING CENTER | | | | | Rebecca |
|---|---|---|---|---|---|
| Company: TERRACON-TUSTIN | | | | | |
| Name: ERIC | | | | | |
| Item | | Quantity | | Unit | |
| 2 oz Jars 24/CS | | | | | |
| 4 oz Jars 24/CS | | | | | |
| 8 oz Jars 12/CS | | | | | |
| 40 ml unpreserved VOAs 100/box | | | | | |
| 40 ml HCL-preserved VOAs 72/box | | | | | |
| 250 ml Poly 24/CS | | | | | |
| 500 ml Poly 16/CS | | | | | |
| 1 Liter Poly 12/CS | | | | | |
| 500 ml Amber Bottle Wide 12/CS | | | | | |
| 1 Liter Amber Bottle 12/CS | | | | | |
| 1 Gallon Poly 4/box | | | | | |
| 5035 kits:(2)Sodium Bisulfate VOAs 72/box | | | | | |
| | (1) Methanol VOA 72/box | | | | |
| | (1)Syringe 50/pack | | | | |
| Lock-N-Load Handle 1/ea | | | | | |
| Tedlar Bags 10/pack | | | | | |
| Sub Slab Insert w/ washer & N/F | | | | | |
| Soil Gas SS 16" Drop Tubes | | | | | |
| Gas Extraction Fittings | | | | | |
| Soil Gas Filters | | | | | |
| | Volume of Summa | # Sent | Used | Unused | Unreturned |
| Batch Certified Summa Canisters | 400cc | | | | |
| | 1L | 10+1 | CHARGE-10 | 1 | 0 |
| | 3L | | | | |
| | 6L | | | | |
| Purge cans | | | | | |
| Nitrogen cans | 1L | 3 | NO CHARGE | ? | 3 |
| Ind. Cerified Summa Cannisters | 1L | | | | |
| | 3L | | | | |
| | 6L | | | | |
| 63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0 | | | | | DB |
| Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn | | 2 MANIFOLDS (150) | | CHARGE-1 | |
| Swagelok Fittings: Nuts/Ferrules, Ts | | 10 N/F | | CHARGE-10 | |
| Cooler (Sm, Med, Lrg) Number & Quantity | | | | | |
| Other: Poly Tube, Valves,Silicon Tape, etc. | | | | | |
| Prepared By: | | | Date: | 4/14/21 | |
| Reviewed By: | | | Date: | | |

Comments:

Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a $50 per cooler fee for replacement costs.

949-297-5020

www.SunStarLabs.com
25712 Commercentre Dr, Lake Forest CA 92630

# Asset Check-In Receipt

SunStar Laboratories Inc.

**Check-In Date:** 5/6/2021

**User Name:** Berner, Paul

| Asset Tag | Asset Type | Serial No | Location | Customer No. | Customer Name |
|---|---|---|---|---|---|
| 0278 | 1000cc: 1000cc Summa | 0278 | Sunstar Labs, Lake Forest Air Lab | Terracon-Eric | Eric J. St Michel |
| 0415 | 1000cc: 1000cc Summa | 0415 | Sunstar Labs, Tustin Air Lab | Terracon-Eric | Eric J. St Michel |
| 0431 | 1000cc: 1000cc Summa | 0431 | Sunstar Labs, Tustin Air Lab | Terracon-Eric | Eric J. St Michel |
| 0486 | 1000cc: 1000cc Summa | 0486 | Sunstar Labs, Lake Forest Air Lab | Terracon-Eric | Eric J. St Michel |
| 0489 | 1000cc: 1000cc Summa | 0489 | Sunstar Labs, Lake Forest Air Lab | Terracon-Eric | Eric J. St Michel |
| 0744 | 1000cc: 1000cc Summa | 0744 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 0784 | 1000cc: 1000cc Summa | 0784 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 0796 | 1000cc: 1000cc Summa | 0796 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 0847 | 1000cc: 1000cc Summa | 0847 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 0863 Unused | 1000cc: 1000cc Summa | 0863 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 2015 | Vapor Manifold: Vapor Manifold | 2015 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 3038 | Vapor Manifold: Vapor Manifold | 3038 | Sunstar Labs, SunStar Labs - South | Terracon-Eric | Eric J. St Michel |
| 622 | 1000cc: 1000cc Summa | | Sunstar Labs, Tustin Air Lab | Terracon-Eric | Eric J. St Michel |

SunStar Laboratories Inc.
25712 Commercentre Dr.
Lake Forest, CA 92630

Office (949)297-5020
Bill Hannell (530) 304-5525



SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

# Canister Data Sheet

**Client: RACON-TUSTIN_ERIC_4-30-21_14+2_HINES PROPOSED SENIOR LIVING CENTER**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Vacuum Gauge: REC-3 | Used to Verify: | X | SN: 145026 | Caibrated On: | 2/5/2020 | Next Calibration Due: | 2/5/2021 | |
| Vacuum Gauge: REC-4 | Used to Verify: | | SN: 145025 | Caibrated On: | 2/5/2020 | Next Calibration Due: | 2/5/2021 | |
| Canister Serial # | | CHECK Date | Pressure (-28 -to -30 InHg) | Sample ID | Sample Date | Initial Pressure | Final Pressure | Sample Start Time | Sample Finish Time |
| SSAT: | 0431 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0744 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0784 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0486 | 4/30/2021 | -30 | | | | | | |
| '874 SSAT: | 0847 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0622 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0796 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0489 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0278 | 4/30/2021 | -30 | | | | | | |
| SSAT: | 0415 | 4/30/2021 | -30 | | | | | | |
| | | | | | | | | | |
| SSAT: | 0184 | 4/30/2021 | 30 | NITROGEN CAN | | | | | |
| SSAT: | 0462 | 4/30/2021 | 30 | NITROGEN CAN | | | | | |
| SSAT: | 0403 | 4/30/2021 | 30 | NITROGEN CAN | | | | | |
| SSAT: | 2015 | 4/30/2021 | N.A. | MANIFOLD (150) | | | | | |
| SSAT: | 3038 | 4/30/2021 | N.A. | MANIFOLD (150) | | | | | |

WORK ORDER

Printed: 5/7/2021 10:20:33AM

# T211558

## SunStar Laboratories, Inc.

**Client:** **Terracon - Tustin**
**Project:** **Proposed Senior Living**

**Project Manager:** **Jeff Lee**
**Project Number:** **60217228**

**Report To:**
Terracon - Tustin
Fabio Minervini
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Phone: (949) 383-1984
Fax: (949) 660-9732

**Invoice To:**
Terracon - Tustin
Fabio Minervini
1421 Edinger Avenue, Suite C
Tustin, CA 92780
Phone :(949) 383-1984
Fax: (949) 660-9732

Date Due: 05/17/21 17:00 (7 day TAT)

Received By: Jennifer Berger
Date Received: 05/06/21 13:47

Logged In By: Jeff Lee
Date Logged In: 05/07/21 10:17

Samples Received at:

| | | | |
|---|---|---|---|
| Custody Seals | No | Received On Ice | No |
| Containers Intact | Yes | | |
| COC/Labels Agree | Yes | | |
| Preservation Confirı | No | | |

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **T211558-01 VP-1 [Air] Sampled 05/06/21 11:18 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 11:18 | +1,1-DFA |
| **T211558-02 VP-2 [Air] Sampled 05/06/21 11:50 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 11:50 | +1,1-DFA |
| **T211558-03 VP-3 [Air] Sampled 05/06/21 13:28 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 13:28 | +1,1-DFA |
| **T211558-04 VP-4 [Air] Sampled 05/06/21 13:48 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 13:48 | +1,1-DFA |
| **T211558-05 VP-5 [Air] Sampled 05/06/21 14:28 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 14:28 | +1,1-DFA |
| **T211558-06 VP-6 [Air] Sampled 05/06/21 15:39 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 15:39 | +1,1-DFA |
| **T211558-07 VP-7 [Air] Sampled 05/06/21 16:46 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 16:46 | +1,1-DFA |

# T211558

## SunStar Laboratories, Inc.

**Client:** Terracon - Tustin
**Project:** Proposed Senior Living
**Project Manager:** Jeff Lee
**Project Number:** 60217228

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **T211558-08 VP-8 [Air] Sampled 05/06/21 17:24 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 17:24 | +1,1-DFA |
| **T211558-09 VP-9 [Air] Sampled 05/06/21 18:29 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 18:29 | +1,1-DFA |
| **T211558-10 VP-10 [Air] Sampled 05/06/21 19:07 (GMT-08:00) Pacific Time (US &** | | | | |
| TO-15 | 05/17/21 15:00 | 7 | 06/05/21 19:07 | +1,1-DFA |

Reviewed By

Date

# APPENDIX D

# SOIL MANAGEMENT PLAN
# (January 2022)

# SOIL MANAGEMENT PLAN

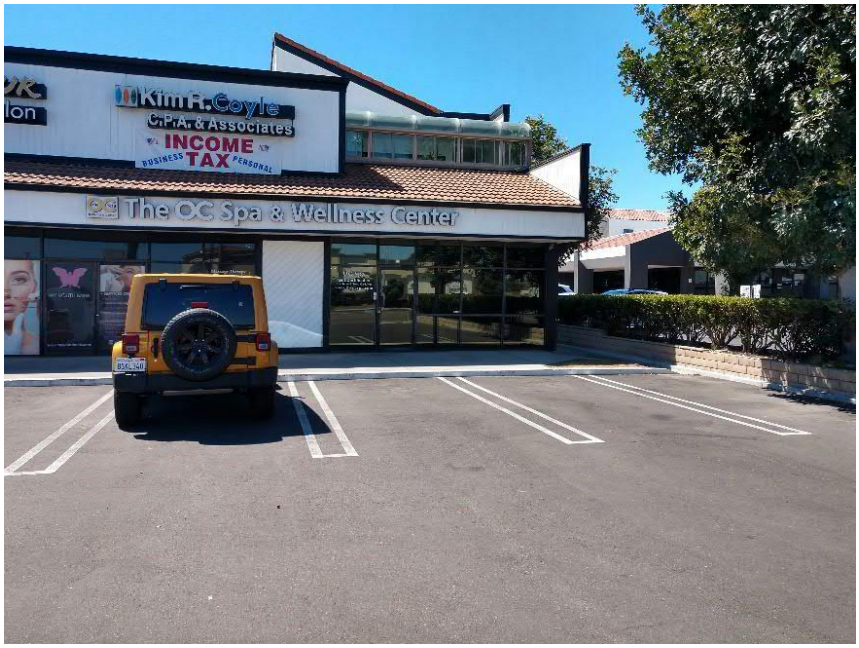
## PROPOSED SENIOR LIVING DEVELOPMENT – HB

## 4952 AND 4972 WARNER AVENUE

## HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

October 22, 2021; Revised January 17, 2022

Terracon Project No. 60217415




**Prepared for:**
Hines Interests LP
Newport Beach, California

**Prepared by:**
Terracon Consultants, Inc.
Irvine, California

Terracon

October 22, 2021
Revised January 17, 2022

Hines Interests LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

Attn: Mr. Tom Lawless
Tom.Lawless@hines.com

Re: Soil Management Plan
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California
Terracon Project No. 60217415

Dear Mr. Lawless:

Terracon Consultants, Inc. (Terracon) is pleased to submit the Soil Management Plan (SMP) to be implemented during the redevelopment phases of the above referenced site. This SMP is intended as a supporting guide and does not function as a corrective action plan. It cannot be all inclusive or anticipate every future condition involving workers or construction involving onsite soils. The SMP serves as a risk management advisory to persons and contractors involved with development at the site. In the event that site conditions are encountered that differ from those observed by Terracon at the time of the subsurface investigation, and/or documented by previous consultants Terracon should be notified immediately for further evaluation of environmental conditions or human health exposure risk. Additionally, Terracon understands that the SMP will be implemented by the project General Contractor (GC) acting on behalf of Hines Interests LP, and periodically monitored by Terracon personnel during earthwork activities that may disturb impacted on-site soils.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
**Terracon Consultants, Inc.**

PROFESSIONAL GEOLOGIST
FABIO M. MINERVINI
No. 7861
EXPIRES: 05/22
STATE OF CALIFORNIA

Eric J. St. Michel
Staff Scientist

Fabio M. Minervini, P.G.
Environmental Department Manager
California Licensed Geologist

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**SOIL MANAGENT PLAN**

**PROPOSED SENIOR LIVING DEVELOPMENT - HB**
**4951 AND 4972 WARNER AVENUE**
**HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA**

**Terracon Project No. 60217415**
**October 22, 2021**
**Revised January 17, 2022**

# 1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) has prepared this Soil Management Plan (SMP) to provide information concerning environmental site conditions and best management practices (BMPs) associated with impacted soil that may be encountered during excavation activities planned to be conducted by the General Contractor (GC), on behalf of the client, during the development of the Proposed Senior Living Development – HB at the above-referenced site (the Project). The location of the site is shown in Figure 1 on a Topographic Map, Figures 2 and 2A present a site diagram and a partial site diagram, respectively, showing soil, groundwater, and soil gas sampling locations; and Figure 3 shows the site diagram presented in Figure 2 with an overlay of the proposed senior living development.

The site is located at 4952 and 4972 Warner Avenue in Huntington Beach, Orange County, California, (Assessor Parcel Numbers [APNs]): 163-281-01 and 163-281-02 and consist of two contiguous parcels of land totaling approximately 2.80-acres. The site is improved with two buildings: an approximately 7,285-square-foot (SF) two-story multi-tenant retail building on the northeastern portion of the site, and an approximately 47,488-SF three-story multi-tenant office building located on the western and southern portions of the site. Other site improvements include asphalt-paved parking lots, landscaped areas, and utilities. The 4972 Warner Avenue building (northeast) is occupied by the OC Spa and Wellness Center, Electric Jiu Jitsui, Little Caesars (restaurant), the Colour Attic and Kim R. Goyle CPA. The 4952 Warner Avenue building is occupied by multiple offices occupied by insurance agents, travel agencies, accounting, brokerage, attorney's, therapist offices, engineering firms and financial institutions. Operations on the site consist of general administration, restaurant operations, beauty retail and recreational activities.

Terracon understands that the site buildings and parking lots will be demolished and the proposed future development of the property will include the construction of a new multi-level senior living facility underlain by a single level subterranean parking structure. The proposed structure will contain senior living units, as well as administrative/office space(s) and other amenities. As part of the planned future construction, Terracon understands that the proposed development will include significant grading activities which will require the excavation and export of soil to a depth of approximately 12 to 13 feet below ground surface (bgs) to accommodate the proposed living

facility and 1-level subterranean parking garage. The proposed grading plans are included as Appendix A.
Based on depth of excavation and the anticipated depth to groundwater beneath the site, which is estimated to occur at a depth approximately 36 feet bgs, groundwater is not expected to be encountered during the proposed site development activities. Therefore, a groundwater management plan does not appear warranted at this time, and is not included in this SMP.

### 1.1 Reliance

The SMP has been prepared for the exclusive use and reliance of Hines Interests LP. Reliance by any other party, except government officials, is prohibited without the written authorization of the client and Terracon. If the client is aware of additional parties that will require reliance on the scope of work and cost estimates, the names, addresses, and relationship of these parties should be provided for Terracon approval prior to the time of authorization to proceed.

Reliance on the SMP by the client and all authorized parties will be subject to the terms, conditions, and limitations under the Master Service Agreement Task Order (the Agreement), dated July 14, 2021, and executed on July 23, 2021; sections of the proposal, and the scope of work of this soil management plan. The limitation of liability defined in the Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

## 2.0 SITE BACKGROUND

Based on a review of historical information, the site has consisted of undeveloped and/or vacant land from as early as 1896 through 1963, when the northeastern portion of the site (4972 Warner Avenue) was developed with a service station, which was cleared by 1978. By 1978/1979, the existing three-story multi-tenant commercial office building was developed on the west and southern portions of the site and the existing two-story multi-tenant retail building was developed on the northeastern portion of the site. The site has remained relatively unchanged from the late 1970s through the present (Figure 2). Occupants on-site have consisted of various professional services, restaurants, recreational tenants, beauty salons, and medical offices.

### 2.1 Former Leaking Underground Storage Tank (LUST) Case

Terracon reviewed information related to the leaking underground storage tank (LUST) case for the former Chevron/Texaco Heritage Site #21-2242 (OCHCA Case No. 03UT18), which received closure under the regulatory oversight of the OCHCA, Local Oversight Program (LOP). The former Chevron/Texaco Heritage Site #21-2242 was located in the northeastern portion of the site (4972 Warner Avenue). Terracon reviewed client-provided documents, and documents obtained from the OCHCA and/or from the State of California GeoTracker database. Review of the available information included the *Case Closure Summary*, dated March 16, 2004; prepared by the OCHCA, Leaking Underground Fuel Tank Program, and issued with the *Remedial Action Completion Certificate*, dated June 1, 2004 (collectively, the OCHCA Case Closure). The OCHCA Case Closure provides a summary of the site environmental history, a list of considerations for

closure, and requirements that may apply under certain conditions. A copy of the OCHCA Case Closure is provided in Appendix B.

The OCHCA Case Closure indicates that multiple phases of assessment had been conducted at the former Chevron/Texaco Heritage Site #21-2242, dating back to 1993 and 1994, which discovered that soil and groundwater had been impacted; however, the results of the assessment were not reported to the OCHCA until 2003. The former service station received a "no further action" based on the following considerations: "The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of the southeastern dispenser at depth between 26 to 36 bgs", "The known soil contamination has not significantly impacted groundwater as evident by the groundwater results", and "The benzene levels seen in Monitoring Well 3 (MW-3), the nearest up-gradient well to the existing building, does not provide a vapor intrusion threat." However, the OCHCA concluded that as part of the site management requirements, the OCHCA must be notified if a structure is going to be placed over the area where high soil contaminants remain in place." In addition, the OCHCA indicated that "corrective action should be reviewed if the land use changes to residential".

## 2.2 Summary of Previous Environmental Site Investigations

### 2.2.1 November 1993 Investigation – Kennedy Jenks

On November 10 and 11, 1993, Kennedy Jenks advanced six soil borings (FNB-B1 through FNB-B6), at depth ranging between 21.5 and 42 feet below grade surface (bgs), and installed a groundwater monitoring well (FNB-MW1) at a bottom depth of 45 feet bgs. A total of nine soil samples and one groundwater samples were collected for laboratory analysis. The soil and groundwater samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline and diesel (TPHg and TPHd, respectively) using U.S. Environmental Protection Agency (EPA) Method 8015M, and for benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX) using EPA Method 8020 (MACTEC and SAIC, 2003). Soil and groundwater sample locations are shown in detail on the Partial Site Diagram presented in Figure 2A. The source site plans showing historical soil and groundwater sample locations, and the historical data tables showing the November 1993 soil and groundwater analytical results, provided in Science Applications International Corporation (SAIC), *Site Assessment Report,* dated September 19, 2003 (SAIC, 2003); are included in Appendices C and D, respectively.

### 2.2.2 February 1994 Investigation – Kennedy Jenks

As a result of the findings of the November 1993 site assessment, Kennedy Jenks returned to the site to further investigate the extent of petroleum hydrocarbons in the soil. Three soil borings (FNB-7 through FNB-9) were advanced on February 2, 1994. Soil boring locations are shown in Figure 2A. Nine soil samples were analyzed for TPHg and TPHd by EPA Method 8015M, and for BTEX by EPA Method 8020 (MACTEC and SAIC, 2003). Historical sample locations and analytical results, including soil sample analytical results from the February 1994 Kennedy-Jenks investigation, are presented in Appendices C and D, respectively.

### 2.2.3 November 2002 Investigation - MACTEC Engineering and Consulting, Inc.

On November 12 and 13, 2002, MACTEC Engineering and Consulting, Inc. (MACTEC) advanced seven soil borings. Soil boring B-10 through B-13 were advanced to depths ranging from 46.5 to 50 feet bgs, and borings MW-2, MW-3, and MW-4 were advanced to depths ranging from 51.5 to 56.5 feet bgs and completed as groundwater monitoring wells. Soil boring and groundwater monitoring well locations are shown in Figure 2A. Soil and groundwater samples were analyzed for TPHg and TPHd by EPA method 8015M, for BTEX, methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE) tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and tetrachloroethene (PCE) by EPA Method 8260B; and for lead by EPA Method 6010B (MACTEC, 2003). A summary of soil sample analytical results is presented in Figure 4. Historical sample locations and analytical results, including the soil sample analytical results from the MACTEC November 2002 investigation, are presented in Appendices C and D, respectively.

### 2.2.4 July 2003 Investigation - Science Applications International Corporation

On July 29 and July 30, 2003, SAIC advanced an additional three soil borings. Boring B-14 was advanced to a depth of approximately 56 feet bgs, and borings MW-5 and MW-6 were advanced to a depth of 56.5 feet bgs and converted into groundwater monitoring wells. Soil boring and groundwater monitoring well locations are shown in Figure 2A. Based on the findings of the additional investigation, SAIC concluded that the extent of petroleum hydrocarbons impact in soil and groundwater had been defined and recommended two quarters of groundwater monitoring (SAIC, 2003). A summary of soil sample analytical results is presented in Figure 4 and a summary of the analytical results for the groundwater samples collected on March 24, 2004, is presented in Figure 5. Historical sample locations and analytical results, including the soil sample analytical results from the SAIC July 2003 investigation, are presented in Appendices C and D, respectively.

### 2.2.5 April and May 2021 Investigation - Terracon Consultants, Inc.

In April 2021, Terracon completed a *Phase I Environmental Site Assessment* (ESA), dated April 2, 2021 (Terracon, 2021a) and, based on the findings of the Phase I ESA, on May 5, 2021, Terrcaon conducted a *Limited Site Investigation* (LSI), report dated June 1, 2021 (Terracon, 2021b).

Terracon's May 2021 LSI evaluated the presence of TPH and/or volatile organic compounds (VOCs) in the soil and soil gas beneath the site. Terracon advanced a total of 11 borings (VP-1 through VP-10 and B-11) to a depth of approximately 15 feet bgs. Soil borings VP-1 through VP-10 were converted into vapor probes for the collection of soil gas samples. Terracon's May 2021 LSI sample locations are shown on Figures 2 and 3, and the soil and soil gas sample analytical results are summarized in Tables 1 through 3.

Laboratory analytical results for the soil samples collected from borings VP-1 through VP-10 and B-11 indicate that TPH and VOC concentrations were not detected above their respective laboratory reporting limits (RLs), with the exception of a concentration of TPH as oil range

organics (TPH-ORO), of 22 milligrams per kilogram (mg/kg), detected in a soil sample collected from boring VP-5 at a depth of 2 to 3 feet bgs (Table 1).

Laboratory analytical results for the soil gas samples collected in May 2021 from vapor probes VP-1 through VP-10 indicate that PCE, benzene, and chloroform were detected at concentrations above their respective environmental screening level (ESL) established by the San Francisco Bay Regional Water Quality Control Board (SFB-RWQCB, 2019 Rev.2). Terracon concluded that the overall distribution of VOCs in soil gas beneath the site suggests that the PCE may be originating from an off-site source located north of the property, such as the former Lewis Cleaners, formerly located to north across Warner Avenue from the site, at 4945 Warner Avenue (Terracon, 2021b). PCE was detected at its' highest concentration in the three northernmost soil gas samples, VP-8 through VP-10, located along the northern boundary of then property; and not detected above the laboratory RL of 0.21 µg/m³ in VP-3 and VP-4, located in the southern portion of the site. Soil gas sample locations are shown on Figure 2 and 3, and soil gas sample analytical results are summarized in Table 3.

In addition, Terracon's 2021 LSI report concluded that the distribution of benzene in soil gas beneath the site is not conclusive; however, it appears to occur at higher concentrations in the central and southern portions of the site (VP-3 and VP-6, Table 3), and could be potentially related to the documented release that occurred at the former on-site service station addressed at 4972 Warner Avenue (Terracon, 2021b).

## 3.0 SOIL MANAGEMENT PLAN PURPOSE

The purpose of this SMP is to serve as a risk management advisory to developers and contractors and assist in protecting human health and the environment by providing a proposed approach for managing known environmental conditions at the site. This SMP is intended to inform the developer, construction contractors, and site workers of conditions of potential and documented environmental impacts. This SMP documents the suggested approach for managing known environmental impacts that may be encountered during the development of the site.

## 4.0 EXCAVATED SOIL CHARACTERISTICS

During excavation, there is a potential to encounter residual petroleum hydrocarbon and VOCs, which if excavated in the case of soil, may result in the generation of waste that requires management and additional precautions during construction. It should be noted that, based on the depth of the proposed grading activities (up to 15 feet bgs) and an estimated depth to groundwater of approximately 39 to 46 feet bgs (Terracon, 2021a), groundwater is not anticipated to be encountered at the site. This SMP provides procedures to properly identify, segregate, manage, characterize, and dispose of hazardous and non-hazardous wastes that are incidentally generated during excavation activities. Four categories potentially apply to excavated soils:

1. **RCRA Hazardous Waste** – excavated soil with representative chemical concentrations exceeding Federal criteria when analyzed by Toxicity Characteristic Leaching Procedure (TCLP). Soil excavated from the Project site is not anticipated to fall under this category.
2. **Non-RCRA [California] Hazardous Waste** – excavated soil with representative chemical concentrations exceeding State criteria but not exceeding Federal criteria. Soil excavated from the Project site is not anticipated to fall under this category.
3. **Non-hazardous Waste** – excavated soil with representative chemical concentrations less than State and Federal criteria. Previously undocumented, localized area(s) of soil excavated from the Project site may fall under this category.
4. **Non-impacted Soil** – soil does not have chemical impacts that would require special handling or off-site disposal. It is anticipated that the vast majority of the soil excavated from the Project site will fall under this category.

# 5.0 SEQUENCE OF WORK

This section describes the general sequence of work, details for each activity are provided in the following sections of this document.

- Notifications and Pre-Excavation Activities:
  - Contractor Notification.
  - Worker Education Safety.
  - Preparing a Site Health and Safety Plan.
  - Agency Notification
  - Establishing work zones, site control, and staging areas.
- Dust Control
- Project Controls
- Management of Onsite Soils
- Groundwater Management
- Documentation

# 6.0 NOTIFICATIONS AND PRE-EXCAVATION ACTIVITIES

## 6.1 Contractor Notification

The GC and its subcontractors anticipated to be working at the site are hereby notified that soil that they encounter could contain concentrations of regulated substances resulting from historical operations at the site. It should be understood by contractors and site workers that the concentrations of regulated substances that may be encountered can range from generally low to in excess of regulatory levels. Impacted material encountered may not exhibit visual or olfactory

indications of impact. Exposure, and thereby potential hazard, can be reduced if certain work practices/precautions are followed. Therefore, this SMP shall be provided to the GC and its subcontractors as a general guidance document for managing contaminated soils.

## 6.2 Worker Education and Safety

This SMP provides information for use in complying with employer obligations such as employee right-to-know, worker safety, and other regulatory programs while providing general guidelines for reducing potential exposures of workers to environmental media having chemical impact. This SMP is not intended for direct, unmodified use by employers to protect workers. Rather, it intends to provide general considerations and procedures for modification and incorporation by employers into their existing worker safety programs. Each employer is responsible for the health and safety of its own workers. The GC and its subcontractors must inform and educate their respective workers to be alert for new or undiscovered conditions that could potentially pose risk.

## 6.3 Health and Safety Plan

Terracon understands that the on-site soils will be disturbed during future excavations or construction activities; therefore, proper procedures should be followed with respect to worker health and safety, and any affected soil encountered should be properly characterized, treated, and/or disposed in accordance with applicable local, state or federal regulations.

Terracon recommends that the GC and their subcontractors develop and implement independent health and safety plans (HSP) during all phases of work. Based on current analytical data, the potential contaminants of concern (COCs) may include TPH and VOCs, which should be considered in the contractors' HSPs. Additionally, Terracon recommends that the HSP be prepared by a qualified person experienced in the health and safety risks associated with the identified COCs in accordance with the Federal Occupational Safety and Health Administration (OSHA) Hazardous Waste Operators and Emergency Response (HAZWOPER) standard (29 CFR 1910.120) and Cal-OSHA standard (8 CCR 5192). The HSP shall specify administrative and engineering controls and require applicable personal protective equipment (PPE) for worker safety during each stage of the Project. The responsibility of developing and implementing a HSP for on-site workers is not the responsibility of Terracon and is outside the scope of this SMP.

<u>Skin Protection</u>
Contractors are responsible for identifying and providing appropriate PPE for their employees working at the site. At a minimum, it is recommended that personnel begin project activity in their standard work uniform. If obvious contamination is encountered, workers should upgrade their attire to include rubberized safety footwear or safety footwear with disposable latex covers and impermeable gloves.

<u>Personal Hygiene</u>
Work gloves should be worn, and hands, face, and forearms should be washed prior to eating, drinking, smoking, or using restroom facilities. Clothing soiled onsite should be laundered as soon

as possible following each workday in order to limit inadvertently carrying contaminated soils off the site. A full-body shower should be taken as soon as practical upon completion of the work shift.

Decontamination

Contractors should use brushes, shovels, etc. to conduct gross soil removal from equipment used to excavate or move impacted soils at the site. Decontamination with a high-pressure washer is recommended for equipment that has contacted obviously impacted soil.

### 6.4 Establish Site Control and Work Zones

A construction fence shall be installed to prevent access by unauthorized personnel and the public. If contamination is encountered, the work area shall be segregated into three work zones: Exclusion Zone (EZ), Contamination Reduction Zone (CRZ), and Support Zone (SZ). The delineation can be established with physical controls (e.g., caution tape and barriers or administratively). The EZ includes the excavation area where there is the most potential for worker exposure. The CRZ is a transition zone from EZ to the SZ, where decontamination methods will reduce the transfer of contamination from the EZ. The SZ stages support for work in the other zones.

The degree of training, administrative and engineering controls, and PPE increase from the SZ to the EZ. Hazard communication shall be implemented to notify the workers of exposure to contaminants. Only trained workers shall be allowed access to the EZ in accordance with the HSP. A site-specific work zone plan showing control zones shall be prepared if needed and inserted into the HSP.

### 6.5 Agency Notification

Underground features or unidentified environmental features, such as USTs, septic pits, hydraulic lift components, clarifiers, and other unknown features, which contain or are suspected of having contained hazardous substances, are identified as regulated features. As discussed herein, periodic monitoring by Terracon personnel during excavation activities will be conducted. If field observations (i.e. odors, staining) indicate the possible presence of impacted soils, Terracon should be notified for recommendations regarding any additional characterization/sampling that should be conducted. Similarly, if a regulated feature is discovered, Terracon should be notified so that appropriate regulatory agency notifications can be made.

## 7.0 PROJECT CONTROLS

The following control measures should be implemented during excavation.

### 7.1 Dust Control Measures

Dust generation can be caused by excavation, general movement of equipment throughout the site, stockpiling, and loading/transportation of export material. Fugitive / airborne dust, potentially

impacted by petroleum hydrocarbons and/or lead, can create a nuisance and/or a human health hazard for the surrounding community.

As required by the SCAQMD, the GC will be responsible for taking actions to prevent, reduce, or mitigate PM-10 emissions. A Dust Control Permit and a Dust Mitigation Plan may be required and shall consider the chemicals of concern identified in the plan. Supplemental permits may also be needed for activities such as (but not limited to) stockpiling, backfilling or crushing, etc. A complete list of the necessary supplemental permits typically is available on the SCAQMD website (http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies/fugitive-dust). The GC is typically responsible for preparation of and adherence to this plan, as well as adhering to other pertinent requirements referenced.

Dust control measures should be employed during development activities at the site, including excavating, loading of waste onto trucks, and movement of equipment and vehicles; to achieve no visible emissions. These measures will include, but are not limited to, misting or spraying of water, as appropriate. In addition, personnel operating mobile equipment at the site are instructed to limit vehicle speed to reduce dust generation, low tipping of excavated loads and minimizing dropping soil from heights while loading trucks or placement of material in stock-piles, and covering of soil stockpiles should be implemented to limit the generation of visible airborne dust. Use of a water spray unit (water truck) to dampen surface materials should implemented, as appropriate, if visible dust is generated during grading activities. Construction personnel should avoid over-spraying the area to prevent runoff and muddy work surfaces. Contractors and site workers should plan their work to account for minimal soil movement.

### 7.1.1 Field Screening and Monitoring

Terracon recommends that a qualified environmental professional (EP) perform periodic oversight and observation during excavation activities that would disturb the existing soils located at the site, to document that the objectives of the SMP are met. If environmental conditions (similar to the examples above) are encountered during the oversight, Terracon will conduct field screening using sensory methods and a photoionization detector (PID) to detect the presence of VOCs, and sampling of the impacted materials, if necessary. Additionally, dust control measures shall be implemented by the GC, in accordance with all applicable dust control regulations of the South Coast Air Quality Management District (SCAQMD).

### 7.1.2 Dust

The potential routes of dust exposure to the public are ingestion, direct dermal contact, and inhalation of airborne impacted dust. Since the Project site will be secured with construction fencing to prevent entry of unauthorized personnel (including the public), ingestion and direct contact exposure of impacted soil can be eliminated as potential routes of exposure. The remaining potentially complete pathway for public exposure is inhalation of fugitive impacted dust.

Excavation activities can release particles into the air as dust that can become a nuisance or a hazard to the public. In addition, contaminants can adhere or adsorb to the dust particles, resulting in potential public exposure. Therefore, dust control measures serve to reduce the unwanted transport of airborne contamination generated with the dust during excavation activities at the Project site and potential exposure to the public.

This SMP focuses on controlling the dispersion of contaminants by controlling dust from work areas and minimizing exposed waste. The primary tool to protect the public from exposure is continuous monitoring for visible dust. The action level for dust is “no visible dust” at the site boundary.

If visible dust becomes a significant issue; i.e., visible dust is generated at levels that require a specific response (as described in Section 8.2 below) more than twice during excavation activities, the GC shall employ a real-time dust monitor such as a DUSTTRACK, or equivalent to collect data and confirm that dust impacts are not migrating outside the fence line. The action level that requires a response is 50 micrograms per cubic meter ($\mu g/m^3$) for particulate matter with a diameter of 10 micrometers or less (PM-10), as measured at the property line. Subsequent sections in this SMP will provide procedures in the event the action level is exceeded.

### 7.1.3 Exceeding Dust and Lead Action Levels

If the dust or air monitoring (as required in Section 7.0) indicate exceedance of the action levels set forth by the California Environmental Protection Agency (CalEPA), California Air Resources Board (CARB), Ambient Air Quality Standards, and/or SCAQMD Rule 402, Fugitive Dust (50 $\mu g/m^3$ for PM-10 and 1.5 $\mu g/m^3$ for lead in air); then dust-generating activities shall temporarily be suspended. If there are two instances of work stoppage due to lack of on-site dust control measures being instituted, upon restarting dust-generating activities, dust monitoring with a real-time dust meter shall be performed to verify that the modifications to work practices and project controls are effective.

## 7.2 Tracking Sediment Off-Site

Construction stabilized exits consisting of trackout control systems, such as rattle grates, pipe-grid trackout-control, and/or gravel bed trackout aprons with 3-inch diameter rock, shall be used to knock loose dirt/mud from the wheels of vehicles exiting the site. All trucks exiting the Project site shall ensure that no spillage of soil occurs off-site and minimize tracking of soil from the site. Truck drivers transporting waste shall be required to inspect the exterior of their trucks and brush off all loose soil prior to departing the site. Trucks transporting waste shall limit the load of soil to allow sufficient freeboard (i.e., 6 inches) and shall cover each load prior to leaving the Project site.

## 7.3 Contractor Procured Substances

Excavation subcontractor(s) may bring materials on site that may have hazardous chemicals or constituents. These materials shall be managed in accordance with this SMP and the stormwater pollution prevention plan (SWPPP). The materials shall be containerized and placed away from

drainage areas and locations where a spill or leak may result in risk to the public and the environment. Safety Data Sheets (SDSs) for each chemical shall be submitted to the site health and safety manager.

All containers, drums, and tanks shall be inspected on arrival and allowed to remain on site if the container is in good condition. All containers shall be appropriately labeled and kept closed unless the containers are opened to obtain product. Separate chemicals shall not be stored in the same container in the event they are incompatible. Secondary containment with a capacity of 110% of the volume of stored chemicals shall be provided for storage areas containing 55 gallons or more of chemicals and fuels. The containers, secondary containment, and storage areas shall be inspected weekly and maintained with good housekeeping practices through the Project duration (i.e., inspected for damage and integrity and areas kept organized, cleaned, and containers properly labeled).

A spill kit shall be kept on site to respond to a spill, leak, or other unauthorized release. The kit shall include plastic sheeting, absorbents, sand, and kitty litter. Only 40-hour trained OSHA HAZWOPER personnel shall respond to a spill. If there is immediate threat to health and safety, the local Fire Department shall be called via 911. If there is no immediate threat to health and safety, the first response shall be to contain the spill so it does not spread and then to clean it up to the extent practicable.

There is a potential for release of petroleum products from the GC's equipment or during operation or refueling. In the event of such a release, the GC shall notify the EP for collection of soil samples from the impacted soil to characterize and profile it for proper disposal, according to the procedures listed in Section 9.4 and 9.5 of this SMP.

## 7.4 Contingency Measures and Spill Reporting

If conditions are encountered, which present an immediate threat of injury to human health or the environment, the area shall be secured and the local Fire Department with jurisdiction in the area shall be notified. In addition, "911" shall be called to summon emergency services, if needed.

If previously unknown hazardous substances or conditions are encountered that do not present an immediate threat to human health or water quality, the GC shall immediately notify the EP, if not already on site. The area surrounding the discovery of unknown contamination shall be isolated with markings.

If a spill or discharge occurs and is reportable, the GC shall immediately notify the EP (if not already on site), the California Office of Emergency Services at (800) 852-7550, the National Response Center at (800) 424-8802, and the Huntington Beach Fire Department at (714) 536-5411. If there is an immediate fire, explosion, or health and safety threat, the Fire Department shall be notified by calling 911. Reportable spills are defined in the California Hazardous Materials Spill/Release Notification Guidance published by the State of California Governor's Office of Emergency Services (CalOES, 2014).

# 8.0 MANAGEMENT OF EXCAVATED SOILS

## 8.1 Soil Excavation Parameters

As indicated on the proposed grading plans included as Appendix B, the disturbed soil area for the proposed project encompasses the majority of site. The grading activities are proposed to extend to a depth up to approximately 15 feet bgs.

## 8.2 Waste Minimization

Measures should be taken to limit the volume of excess soils accumulating on the site to minimize the potential for contact between stormwater and any impacted soils identified during excavation. Excavation in areas where impact is encountered should be protected from stormwater run-off by constructing soil berms, diversionary structures, or temporary detention areas to direct water away from exposed soils.

## 8.3 Changed Conditions and Soil Stockpiling

Contractors should be aware of the regulatory implications of improper management or disposal of contaminated soils. If changed conditions are encountered (i.e. petroleum hydrocarbons, USTs, or obviously impacted soils), the excavated impacted soil will be stockpiled separately on plastic sheeting, covered with plastic sheeting, and secured with fiber rolls or equivalent until the EP can properly evaluate the changed conditions and/or impacted soil. Impacted environmental media shall be isolated from worker and public exposure, contained using plastic sheeting above and below, within berms to prevent migration from the pile, and secured with additional fencing if necessary, until ready for transport. Workers in physical contact with obviously impacted environmental media should have OSHA HAZWOPER training consistent with 29 CFR 1910.120.

If chemical odors, stained or saturated soils, a sheen on water in excavations, or other evidence of potential chemical contamination is encountered during excavation activities, contractors and site workers should stop work in the area of the discovery and notify the Project Superintendent, or appropriate project health and safety coordinator, and the EP for further evaluation.

The notifications for reporting discovery of contaminated soil are as follows.

- Terracon Project Manager – Eric St. Michel (Tustin, Orange County office)
  Office: (949) 864-2078
  Cell: (661) 433-5928
  E-mail: eric.st.michel@terracon.com

- Terracon Project Manager (Alternate Contact) – Fabio Minervini (Tustin, Orange County office)
  Office: (949) 383-1984
  Cell: (949) 202-7818
  E-mail: fabio.minervini@terracon.com

Subsequent to evaluation process of a changed condition discovered at the site, and in the event soil or groundwater disposal at an approved landfill disposal site is required, the following transporter and Treatment, Storage, and Disposal Facility (TSDF), for hazardous and non-hazardous soils, are recommended to be contacted by the client and/or the property owner.

- Transporter:
  Belshire Environmental Services, Inc.
  License # 2997
  25971 Towne Center Drive
  Foothill Ranch, CA 92610
  (949) 460-5200

- TSDF (Non-Hazardous Waste):
  Veola Environmental Services
  US EPA FRS ID: CAD008302903
  1704 West First Street and 107 South Motor Avenue
  Azusa, CA 91702
  (626) 334-5117

- TSDF (Hazardous Solid Waste)
  Veola Environmental Services
  US EPA FRS ID: CAD008302903
  1704 West First Street and 107 South Motor Avenue
  Azusa, CA 91702
  (626) 334-5117

- TSDF (RCRA-Hazardous Waste):
  US Ecology Nevada
  EPA ID: NVT330010000
  Highway 95, 11 Miles South of Beatty
  Beatty, NV 89003
  (800) 239-3943

Terracon understands that the soil disposal manifests are the responsibility of the owner of the property, who will be responsible for signing waste manifests of soils to be disposed off-site, if needed.

## 8.4 Stockpile Characterization, Disposal of Excess Soils

Terracon understands that on-site excavation will result in excess soil being generated. If impacts are identified, the impacted excavated soil may require characterization, and/or off-site disposal at an approved facility. Based on the historical knowledge of the site, the identified COCs onsite and typical waste profiling parameters, the analysis (if warranted) would likely include TPH by

Environmental Protection Agency (EPA) method 8015M, VOCs by EPA method 8260B, and California Assessment Manual (CAM) -17 metals by EPA method 6010B.

### 8.5 Soil Hauling & Disposal

Any impacted material observed during site grading operation will be handled in accordance with all applicable transport and disposal regulations. The soil observed to be impacted during excavation will be classification as non-hazardous or hazardous waste and an authorized transporter will be selected. The transportation of waste to the proper disposal facility will only be completed by an authorized hazardous waste handler under waste manifest, and the transport and disposal documentation will be provided in the SMP Closeout Report.

## 9.0 GROUNDWATER MANAGEMENT

Based on an estimated depth to groundwater beneath the site of approximately 39 to 46 feet bgs (Terracon, 2021a), groundwater is not anticipated to be encountered during earth work activities. In the event that groundwater is encountered in onsite excavations and/or stormwater coming in contact with potentially impacted soils, the water shall be managed as potentially contaminated and evaluated through chemical analysis prior to discharge and/or off-site disposal. Discharge of untested or untreated groundwater to the ground surface, storm sewer, or sanitary system is prohibited.

Construction through the SMP zone shall be sequenced to minimize the excavation areas at any given time and thereby reducing the volume of water potentially requiring management and disposal. Managing groundwater and/or stormwater that comes in contact with contaminated soils at the site shall be removed and disposed or treated in accordance with the National Pollutants Discharge Elimination Permit System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, under the State Water Resources Control Board Construction General Permit Order 2009-0009-DWQ effective July 17, 2012.

## 10.0 DOCUMENTATION

Upon completion of site excavation activities and receipt of any necessary laboratory analytical results and waste manifest documentation, a SMP Final Report shall be prepared that will, at a minimum, include the following:

- Field Logs and Activities Summaries – the EP shall submit activities summaries of work performed and observations upon conducting site visits.
- Photo-documentation of site activities by the EP
- Laboratory results for characterization of wastes
- Site map indicating sample locations and limits of contamination encountered, if any
- Waste profile forms
- Waste manifests for soil and water transported offsite for disposal and/or recycling

- Copies of permits required for onsite treatment and discharge of contaminated groundwater / stormwater
- Any corrections / revisions to the SMP

The SMP Final Report shall be prepared and submitted to Hines Interests LP at project completion.

## 11.0 SUMMARY

This document has been developed to inform Hines Interests LP, the GC on the Project and its subcontractors, and site workers of the potential for encountering contaminated environmental media during excavation activities at the site. If encountered, the concentrations of contaminants in environmental media could pose a limited health hazard to construction personnel via inhalation of contaminated dust or vapors and the accidental ingestion of soil and/or groundwater. The precautions are intended to reduce the potential for adverse health effects to personnel excavating and managing environmental media at the site. This SMP is for the limited purpose of addressing the potential for health hazards due to exposure to contaminants, if identified in environmental media. It is not intended as a comprehensive construction safety program. The GC and its subcontractors engaged in activities at the project are responsible for conducting site activities in accordance with federal, state, and local environmental and safety regulations. Additionally, Terracon understands that the SMP will be implemented by the GC acting on behalf of Hines Interests LP, and periodically monitored by Terracon personnel during excavation activities that may disturb impacted on-site soils and/or groundwater.

# 12.0 REFERENCES

MACTEC Engineering and Consulting, Inc. (MACTC, 2002), Site Assessment Report, ChevronTexaco Heritage Site #21-2242, 4972 Warner Avenue, Huntington Beach, California; dated January 299, 2003.

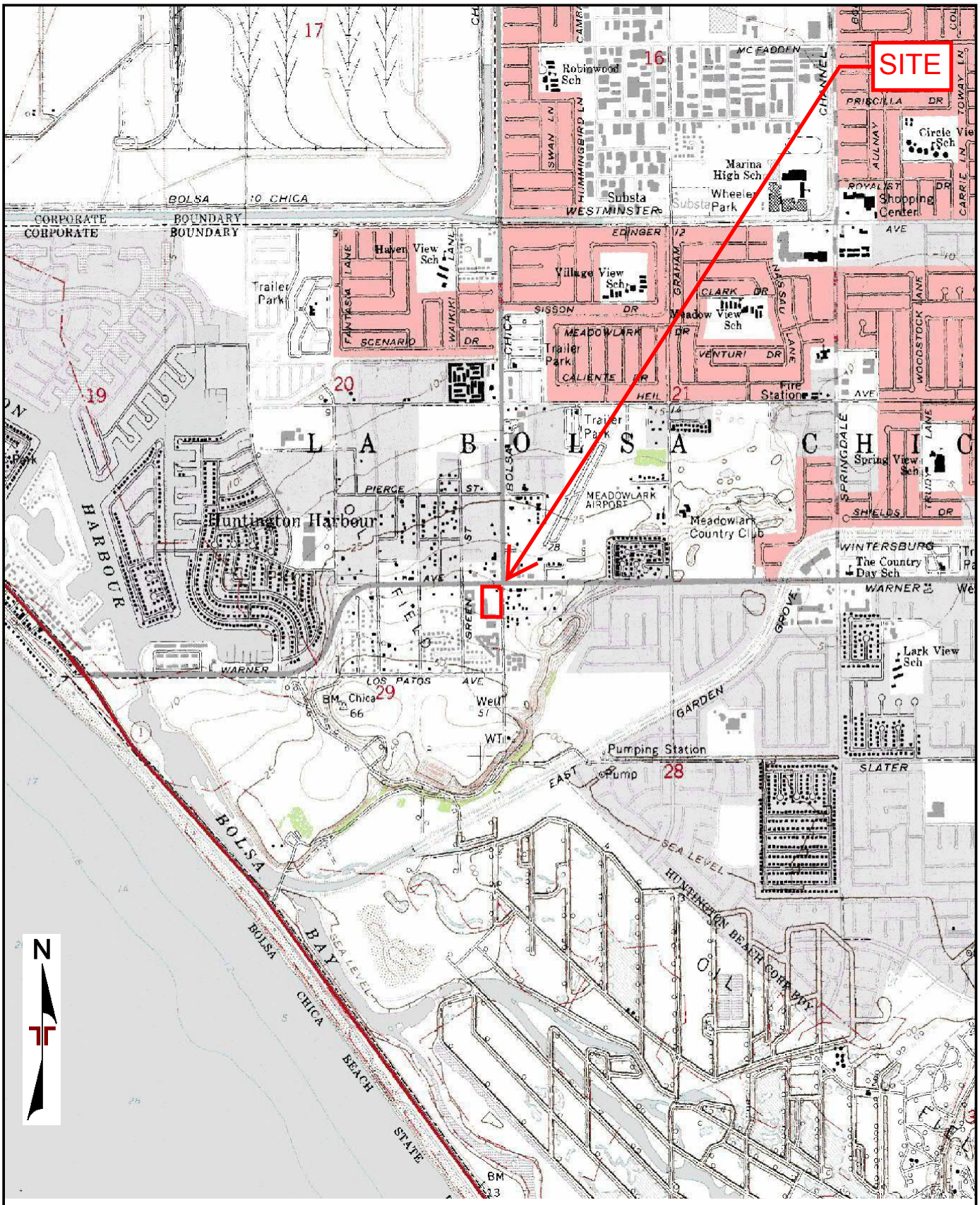
Science Applications International Corporation (SAIC, 2003), *Site Assessment Report, Chevron/Texaco Heritage Site #21-2242, 4972 Warner Avenue, Huntington Beach, California*; dated September 19, 2003

Terracon Consultants, Inc., (Terracon, 2021a) *Phase I Environmental Site Assessment*, *Proposed Senior Living Development – HB, 4952 and 4972 Warner Avenue Huntington Beach, Orange County, California 92647*; dated April 2, 2021 (Terracon Project No. 60217144).

Terracon Consultants, Inc. (Terracon, 2021b), *Limited Site Investigation, Proposed Senior Living Development – HB 4952 and 4972 Warner Avenue Huntington Beach, Orange County, California 92647*; dated June 1, 2021 (Terracon Project No. 60217228).

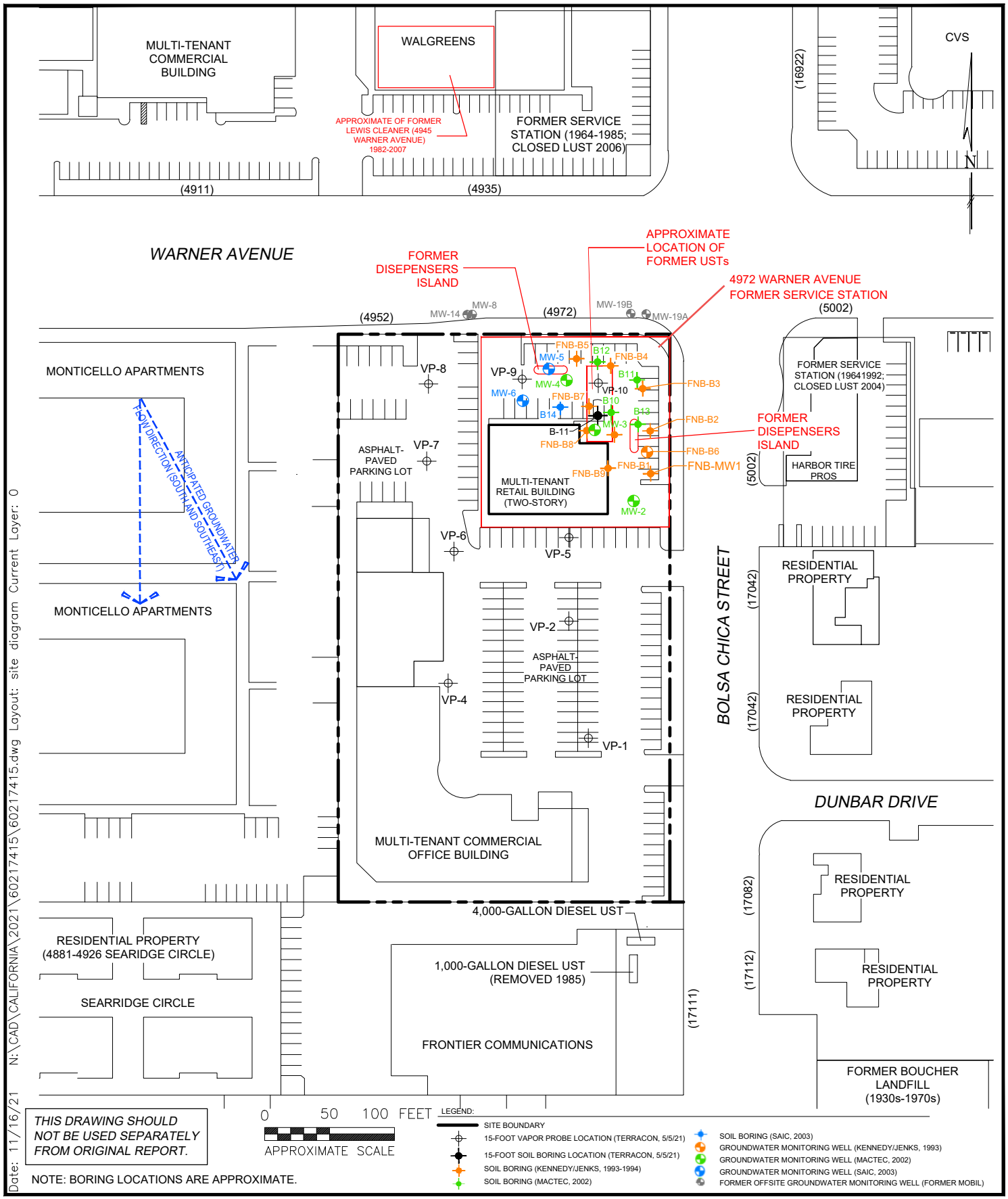
## FIGURES

Figure 1 – Topographic Map
Figure 2 – Site Diagram
Figure 2A - Partial Site Diagram
Figure 3 – Site Diagram with Proposed Development Overlay
Figure 4 – Partial Site Diagram with Soil Concentrations (2002, 2003, and 2021)




TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: SEAL BEACH, CA (1/1/1981).

| | | | | |
|---|---|---|---|---|
| Project Manager: FMM | Project No. 60217228 | Terracon<br>1421 Edinger Avenue, Suite C<br>Tustin, California 92780-6287 | TOPOGRAPHIC MAP | FIGURE |
| Drawn by: MMH | Scale: 1"=2,000' | | PROPOSED SENIOR LIVING DEVELOPMENT - HB<br>**4952 AND 4972 WARNER AVENUE**<br>**HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA** | 1 |
| Checked by: JTY | File Name: N/A | | | |
| Approved by: FMM | Date: 06-01-2021 | | | |



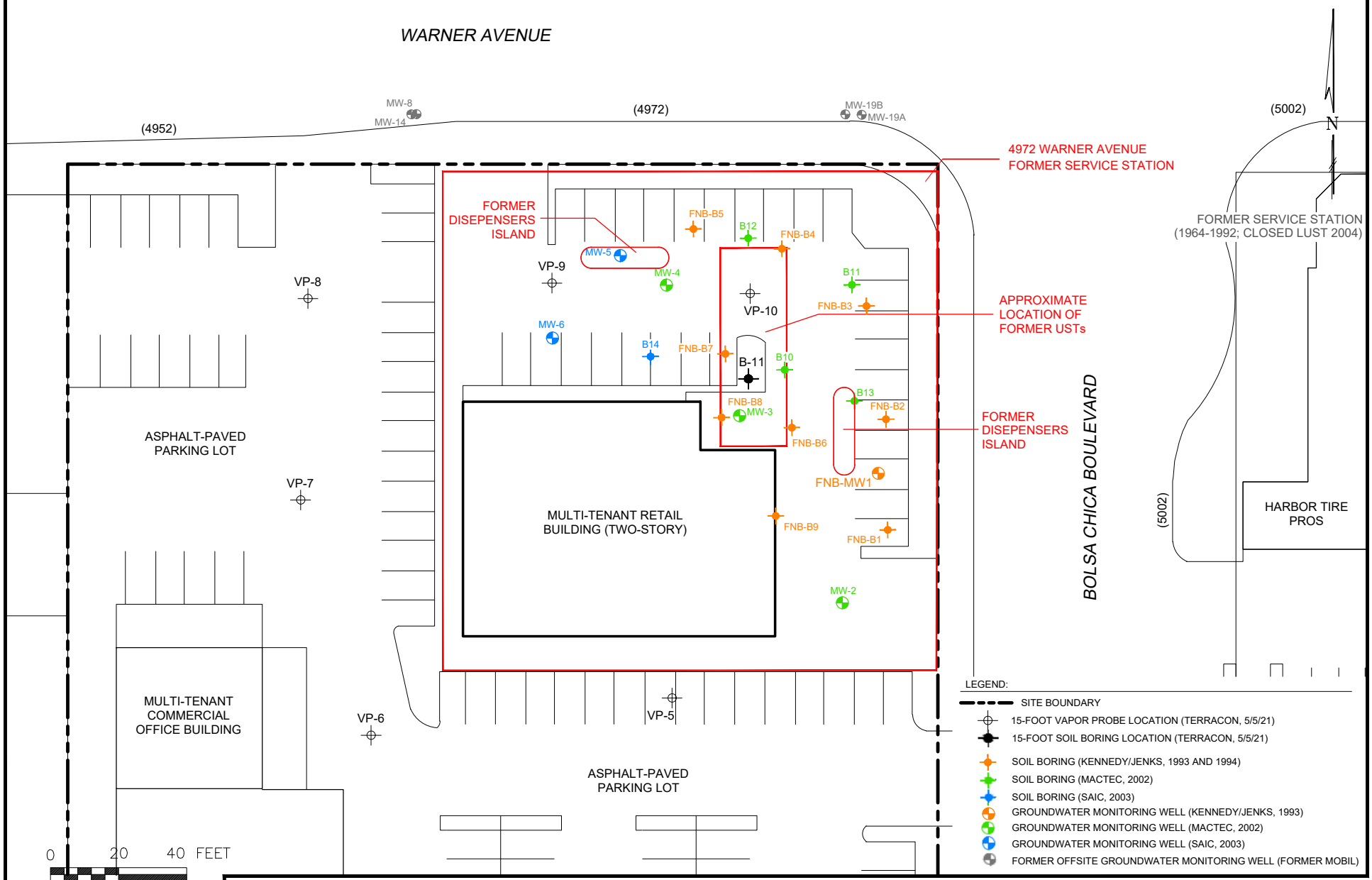

*THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.*

NOTE: BORING LOCATIONS ARE APPROXIMATE.

| | | | |
|---|---|---|---|
| Project Mngr: FMM | Project No. 60217415 | Terracon Consulting Engineers and Scientists | **SITE DIAGRAM** |
| Drawn By: JJD | Scale: AS SHOWN | 1421 EDINGER AVE. STE C. TUSTIN, CALIFORNIA 92780 | PROPOSED SENIOR LIVING DEVELOPMENT -HB |
| Checked By: FMM | Date: 11/16/21 | PH. (949) 261-0051 FAX. (949) 261-6110 | 4952 AND 4972 WARNER AVENUE |
| Approved By: FMM | | | HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |

FIGURE 2

Date: 11/16/21 N:\CAD\CALIFORNIA\2021\60217415\60217415.dwg Layout: partial site diagram Current Layer: 0




*THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.*

NOTE: ALL BORING LOCATIONS ARE APPROXIMATE.

| | |
|---|---|
| Project Mngr: | FMM |
| Drawn By: | JJD |
| Checked By: | FMM |
| Approved By: | FMM |

| | |
|---|---|
| Project No. | 60217415 |
| Scale: | AS SHOWN |
| Date: | 11/16/21 |

Terracon
Consulting Engineers and Scientists
1421 EDINGER AVE. STE. C TUSTIN, CALIFORNIA 97280
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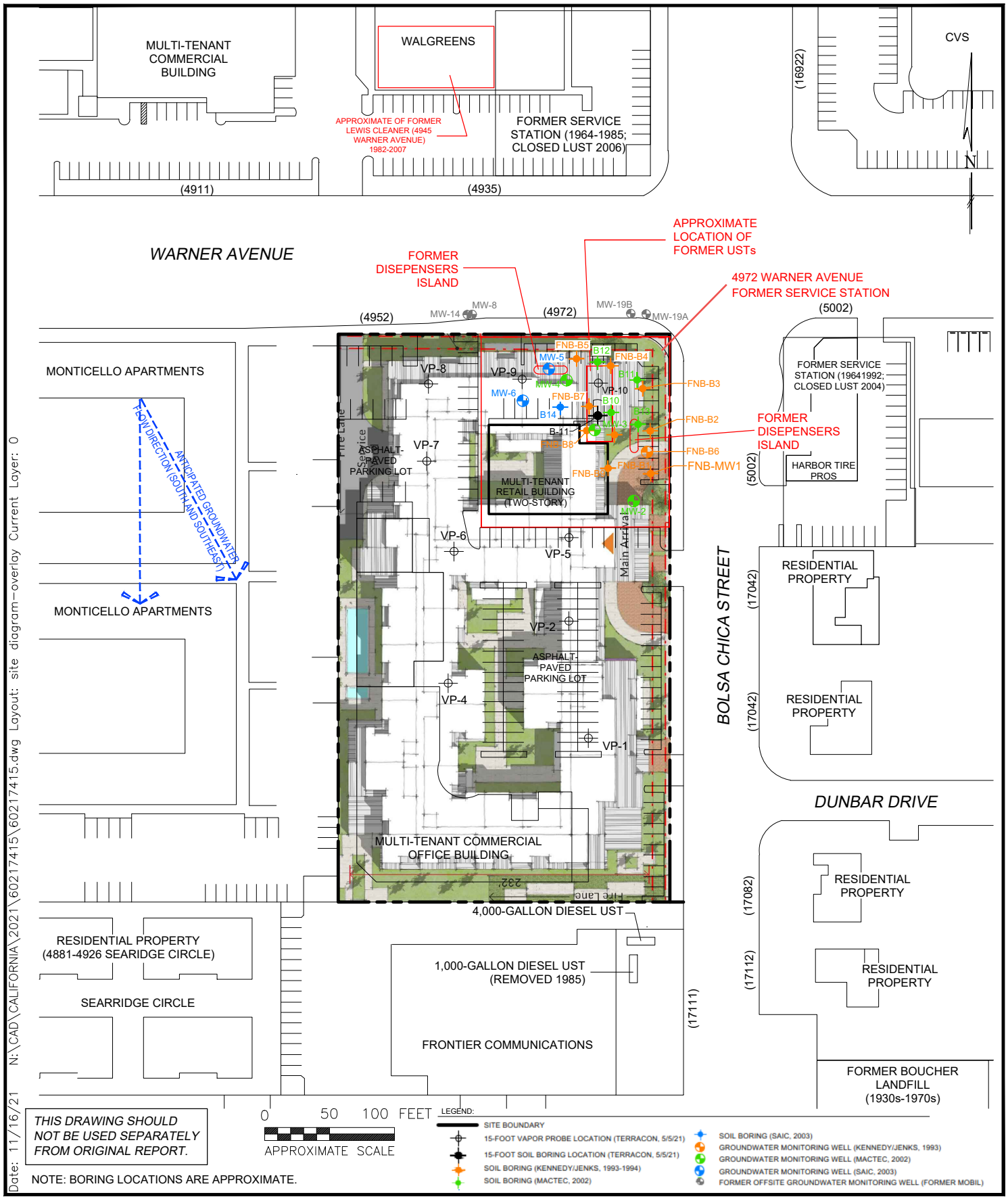
# PARTIAL SITE DIAGRAM

PROPOSED SENIOR LIVING DEVELOPMENT -HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

FIGURE
2A




*THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.*

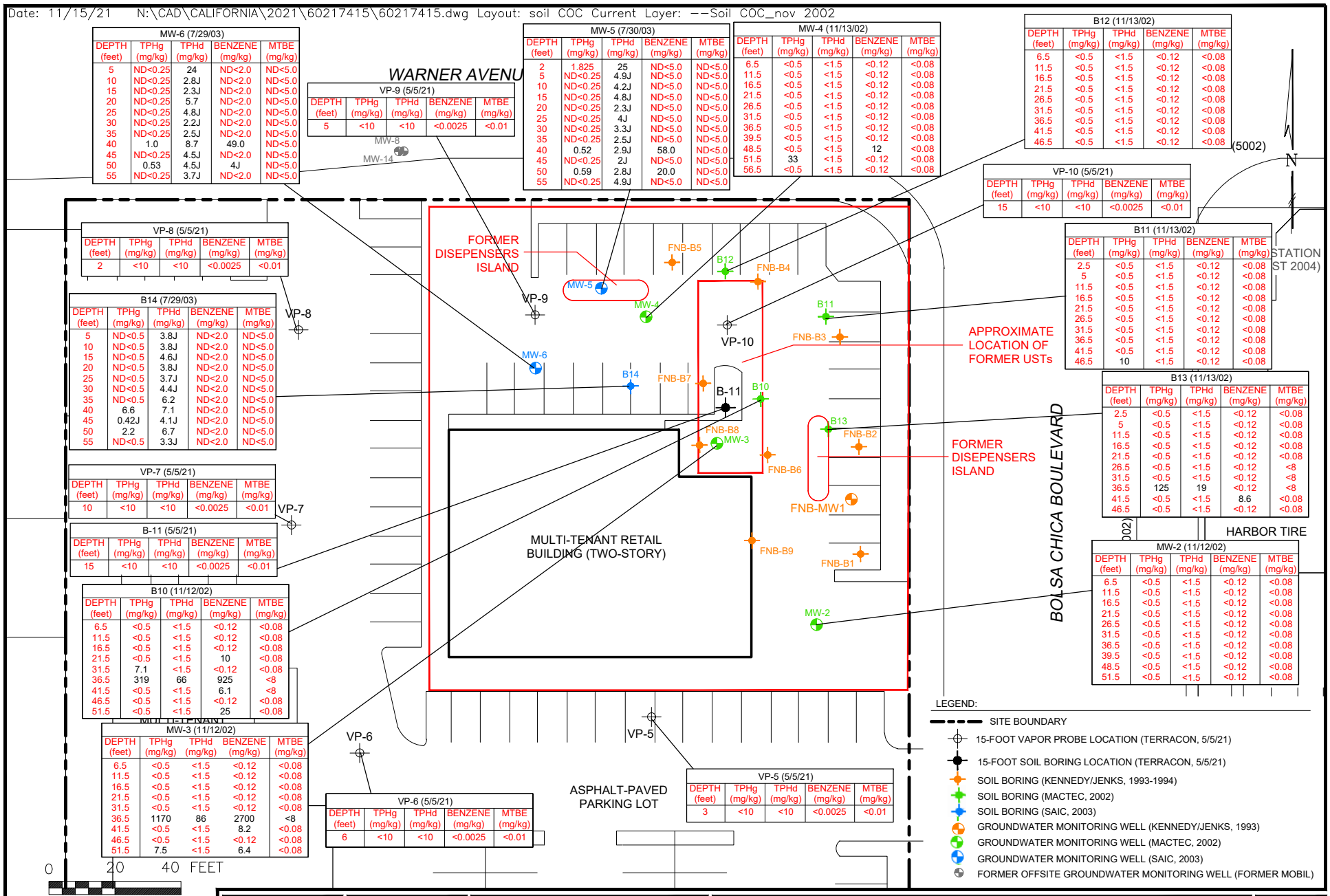
NOTE: BORING LOCATIONS ARE APPROXIMATE.

Date: 11/16/21 N:\CAD\CALIFORNIA\2021\60217415\60217415.dwg Layout: site diagram-overlay Current Layer: 0

| | | | |
|---|---|---|---|
| Project Mngr: FMM | Project No. 60217415 | Terracon Consulting Engineers and Scientists | **SITE DIAGRAM** |
| Drawn By: JJD | Scale: AS SHOWN | 1421 EDINGER AVE. STE C. TUSTIN, CALIFORNIA 92780 | WITH PROPOSED DEVELOPMENT OVERLAY |
| Checked By: FMM | Date: 11/16/21 | PH. (949) 261-0051 FAX. (949) 261-6110 | PROPOSED SENIOR LIVING DEVELOPMENT -HB |
| Approved By: FMM | | | 4952 AND 4972 WARNER AVENUE |
| | | | HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA |

FIGURE 3

Date: 11/15/21 N:\CAD\CALIFORNIA\2021\60217415\60217415.dwg Layout: soil COC Current Layer: --Soil COC_nov 2002




MW-6 (7/29/03)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 5 | ND<0.25 | 24 | ND<2.0 | ND<5.0 |
| 10 | ND<0.25 | 2.8J | ND<2.0 | ND<5.0 |
| 15 | ND<0.25 | 2.3J | ND<2.0 | ND<5.0 |
| 20 | ND<0.25 | 5.7 | ND<2.0 | ND<5.0 |
| 25 | ND<0.25 | 4.8J | ND<2.0 | ND<5.0 |
| 30 | ND<0.25 | 2.2J | ND<2.0 | ND<5.0 |
| 35 | ND<0.25 | 2.5J | ND<2.0 | ND<5.0 |
| 40 | 1.0 | 8.7 | 49.0 | ND<5.0 |
| 45 | ND<0.25 | 4.5J | ND<2.0 | ND<5.0 |
| 50 | 0.53 | 4.5J | 4J | ND<5.0 |
| 55 | ND<0.25 | 3.7J | ND<2.0 | ND<5.0 |

VP-9 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 5 | <10 | <10 | <0.0025 | <0.01 |

MW-5 (7/30/03)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 2 | 1.825 | 25 | ND<5.0 | ND<5.0 |
| 5 | ND<0.25 | 4.9J | ND<5.0 | ND<5.0 |
| 10 | ND<0.25 | 4.2J | ND<5.0 | ND<5.0 |
| 15 | ND<0.25 | 4.8J | ND<5.0 | ND<5.0 |
| 20 | ND<0.25 | 2.3J | ND<5.0 | ND<5.0 |
| 25 | ND<0.25 | 4J | ND<5.0 | ND<5.0 |
| 30 | ND<0.25 | 3.3J | ND<5.0 | ND<5.0 |
| 35 | ND<0.25 | 2.5J | ND<5.0 | ND<5.0 |
| 40 | 0.52 | 2.9J | 58.0 | ND<5.0 |
| 45 | ND<0.25 | 2J | ND<5.0 | ND<5.0 |
| 50 | 0.59 | 2.8J | 20.0 | ND<5.0 |
| 55 | ND<0.25 | 4.9J | ND<5.0 | ND<5.0 |

MW-4 (11/13/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 39.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 48.5 | <0.5 | <1.5 | 12 | <0.08 |
| 51.5 | 33 | <1.5 | <0.12 | <0.08 |
| 56.5 | <0.5 | <1.5 | <0.12 | <0.08 |

B12 (11/13/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 41.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |

VP-10 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 15 | <10 | <10 | <0.0025 | <0.01 |

B11 (11/13/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 2.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 41.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | 10 | <1.5 | <0.12 | <0.08 |

VP-8 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 2 | <10 | <10 | <0.0025 | <0.01 |

B14 (7/29/03)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 5 | ND<0.5 | 3.8J | ND<2.0 | ND<5.0 |
| 10 | ND<0.5 | 3.8J | ND<2.0 | ND<5.0 |
| 15 | ND<0.5 | 4.6J | ND<2.0 | ND<5.0 |
| 20 | ND<0.5 | 3.8J | ND<2.0 | ND<5.0 |
| 25 | ND<0.5 | 3.7J | ND<2.0 | ND<5.0 |
| 30 | ND<0.5 | 4.4J | ND<2.0 | ND<5.0 |
| 35 | ND<0.5 | 6.2 | ND<2.0 | ND<5.0 |
| 40 | 6.6 | 7.1 | ND<2.0 | ND<5.0 |
| 45 | 0.42J | 4.1J | ND<2.0 | ND<5.0 |
| 50 | 2.2 | 6.7 | ND<2.0 | ND<5.0 |
| 55 | ND<0.5 | 3.3J | ND<2.0 | ND<5.0 |

B13 (11/13/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 2.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <8 |
| 31.5 | <0.5 | <1.5 | <0.12 | <8 |
| 36.5 | 125 | 19 | <0.12 | <8 |
| 41.5 | <0.5 | <1.5 | 8.6 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |

VP-7 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 10 | <10 | <10 | <0.0025 | <0.01 |

B-11 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 15 | <10 | <10 | <0.0025 | <0.01 |

B10 (11/12/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | 10 | <0.08 |
| 31.5 | 7.1 | <1.5 | <0.12 | <0.08 |
| 36.5 | 319 | 66 | 925 | <8 |
| 41.5 | <0.5 | <1.5 | 6.1 | <8 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | <0.5 | <1.5 | 25 | <0.08 |

MW-2 (11/12/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 39.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 48.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | <0.5 | <1.5 | <0.12 | <0.08 |

MW-3 (11/12/02)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | 1170 | 86 | 2700 | <8 |
| 41.5 | <0.5 | <1.5 | 8.2 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | 7.5 | <1.5 | 6.4 | <0.08 |

VP-6 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 6 | <10 | <10 | <0.0025 | <0.01 |

VP-5 (5/5/21)

| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (mg/kg) | MTBE (mg/kg) |
|---|---|---|---|---|
| 3 | <10 | <10 | <0.0025 | <0.01 |

*THIS DRAWING SHOULD NOT BE USED SEPARATELY FROM ORIGINAL REPORT.*

NOTE: ALL BORING LOCATIONS ARE APPROXIMATE.

| | |
|---|---|
| Project Mngr: | FMM |
| Drawn By: | JJD |
| Checked By: | FMM |
| Approved By: | FMM |
| Project No. | 60217415 |
| Scale: | AS SHOWN |
| Date: | 11/15/21 |


Terracon
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# PARTIAL SITE DIAGRAM WITH SOIL CONCENTRATIONS (2002, 2003, AND 2021)

PROPOSED SENIOR LIVING DEVELOPMENT -HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

FIGURE 4

**TABLES - Terracon 2021**

Table 1 – Soil Sample Analytical Results - TPH & VOCs
Table 2 – Soil Sample Analytical Results - Metals
Table 3 – Soil Gas Sample Analytical Results - VOCs

**TABLE 1**
**SOIL SAMPLE ANALYTICAL RESULTS - TPH & VOCs**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

| Sample I.D. | Sample Depth (feet bgs) | Sample Date | VOCs | Total Petroleum Hydrocarbons | | |
|---|---|---|---|---|---|---|
| | | | | TPH-GRO | TPH-DRO | TPH-ORO |
| | | | USEPA Method 8260B | USEPA Method 8015M | | |
| | | | (mg/kg) | | | |
| VP-1-11 | 10 to 11 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-2-9 | 8 to 9 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-3-7 | 6 to 7 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-4-3 | 2 to 3 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-5-3 | 2 to 3 | 05/05/21 | ND | <10 | <10 | 22 |
| VP-6-6 | 5 to 6 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-7-10 | 9 to 10 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-8-2 | 1 to 2 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-9-5 | 4 to 5 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-10-15 | 14 to 15 | 05/05/21 | ND | <10 | <10 | <10 |
| VP-11-15 | 14 to 15 | 05/05/21 | ND | <10 | <10 | <10 |
| **ESLs [1]** | | | **NA** | **100** | **260** | **1,600** |

NOTES:

All units are in milligrams per kilograms (mg/kg)

bgs= below ground surface

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

TPH-GRO = total petroleum hydrocarbons in gasoline carbon range (C6-C12)

TPH-DRO = total petroleum hydrocarbons in diesel carbon range (C13-C22)

TPH-ORO = total petroleum hydrocarbons in waste oil carbon range (C23-C32)

"<" = not detected above the laboratory reporting limit specified

ND = not detected above the laboratory reporting limit

NA = Not Applicable

[1] ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, 2019 Rev.2

**TABLE 2**
**SOIL SAMPLE ANALYTICAL RESULTS - METALS**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

| Sample I.D. | Sample Location | Sample Depth (feet bgs) | Sample Date | Antimony | *Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | **Mercury | Molybdenum | Nickel | Selenium | Silver | ***Thallium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | EPA Method 6010B | | | | | | | | | | | | | | | | |
| | | | | (mg/kg) | | | | | | | | | | | | | | | | |
| COMP-1 | VP-3 | Composite | 05/05/21 | <3.0 | <5.0 | 72 | <1.0 | <2.0 | 19.0 | 7.2 | 11 | 4.8 | <0.10 | <5.0 | 11 | <5.0 | <2.0 | <5.0 | 27 | 51 |
| COMP-2 | VP-4 | Composite | | <3.0 | <5.0 | 26 | <1.0 | <2.0 | 5.2 | 2.5 | 5.9 | <3.0 | <0.10 | <5.0 | 4.1 | <5.0 | <2.0 | <5.0 | 15 | 14 |
| COMP-3 | VP-8 | Composite | | <3.0 | <5.0 | 31 | <1.0 | <2.0 | 8.3 | 4.4 | 5.8 | <3.0 | <0.10 | <5.0 | 6.5 | <5.0 | <2.0 | <5.0 | 20 | 22 |
| COMP-4 | VP-11 | Composite | | <3.0 | <5.0 | 33 | <1.0 | <2.0 | 12 | 4.9 | 7.7 | 8.3 | <0.10 | <5.0 | 8.2 | <5.0 | <2.0 | <5.0 | 27 | 590 |
| **(1) ESLs (Residential)** | | | | **11** | **12*** | **15,000** | **16** | **78** | **120,000** | **23** | **3,100** | **80** | **13** | **390** | **820** | **390** | **390** | **0.78** | **390** | **23,000** |
| **(1) ESLs (Commercial)** | | | | **160** | **12*** | **220,000** | **230** | **1,100** | **1,800,000** | **350** | **47,000** | **320** | **190** | **5,800** | **11,000** | **5,800** | **5,800** | **12** | **5,800** | **350,000** |

NOTES:
* Background Metals = The Department of Toxic Substances Control (DTSC ) established a regional background arsenic concentration in soil that can be used as a screening tool for sites throughout southern California. The term "background" collectively refers to both naturally occurring and anthropogenic concentrations in shallow soil. Statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound background arsenic concentration of 12 mg/kg. The analysis for 5 counties in southern California also gave an upper-bound background arsenic concentration of 12 mg/kg.
** Mercury analyzed using EPA Method 7470/7471
*** Thallium laboratory reporting limit is above the residential ESL of 0.78 mg/kg.
(1) ESLs for Soil established by the San Francisco Regional Water Quality Control Board, 2019 (Rev. 2)
All units are in milligrams per kilograms (mg/kg)
bgs= below ground surface
EPA = United States Environmental Protection Agency

**TABLE 3**
**SOIL GAS SAMPLE ANALYTICAL RESULTS - VOCs**
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach , Orange County, California 92647
Terracon Project No. 60217228

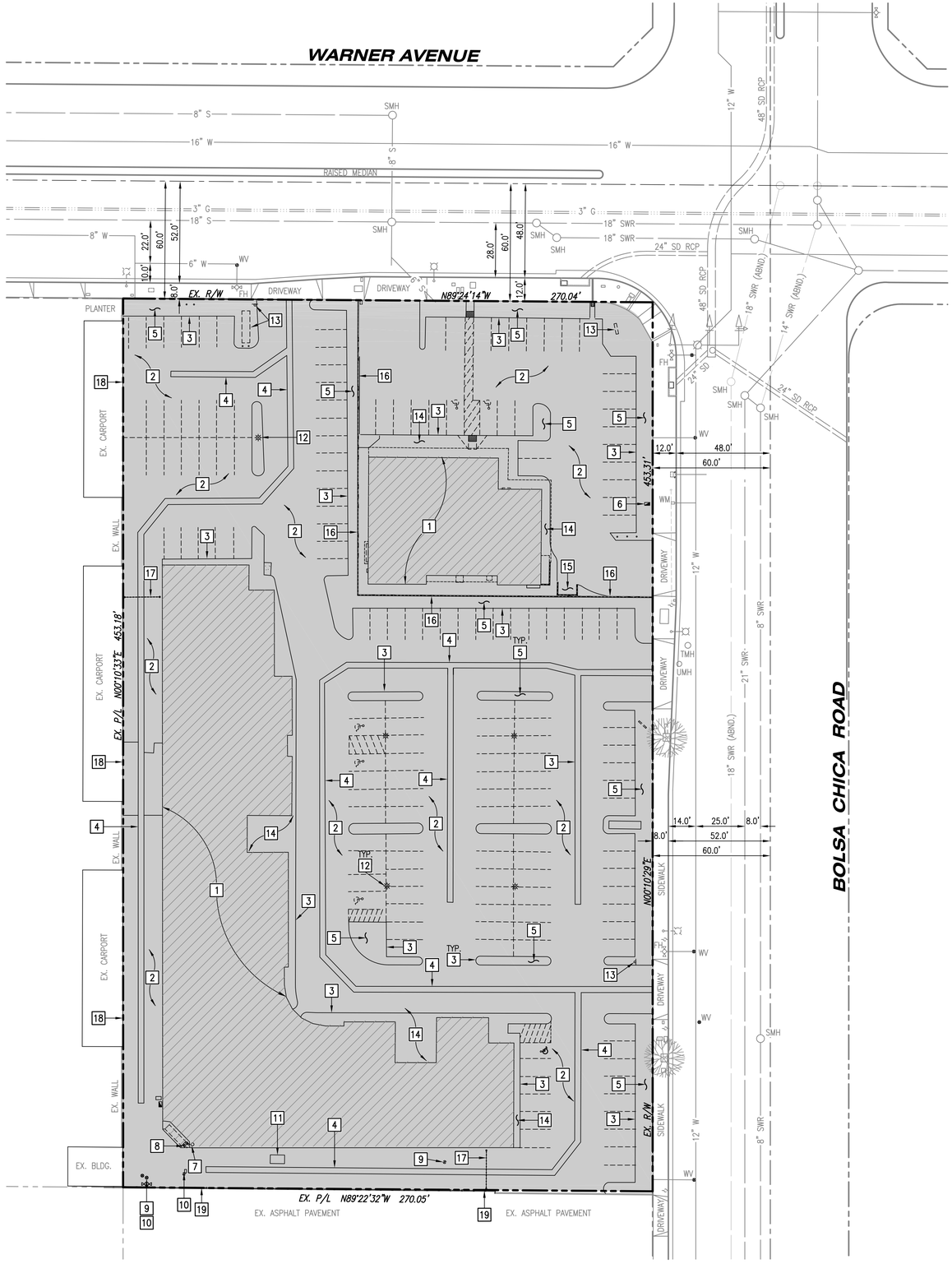
| Sample I.D. | Sample Date | Tetrachloroethene (PCE) | Trichloroethene (TCE) | Acetone | 1,3-Butadiene | Carbon Disulfide | Isopropyl alcohol | Chloroform | Chloromethane | Cyclohexane | Heptane | Hexane | 1,3-Dichlorobenzene | 4-Ethyltoluene | Tetrahydrofuran | Styrene | 1,2,4-Trimethylbenzene | 2-Butanone (MEK) | Methyl isobutyl ketone | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | Other VOCs | 1,1-DFA (Tracer Gas) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | USEPA Method TO-15 (µg/m3) | | | | | | | | | | | | | | | | | | | | | | | | |
| **15-Foot Vapor Probes** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VP-1 | 05/05/21 | 5.9 J | <0.21 | 110 | 10 | <0.22 | 15 | <0.15 | <0.46 | <0.16 | <0.15 | 5.4 | 12 J | <0.25 | <0.25 | <0.19 | <0.33 | 22 | 7.6 J | **3.5** | 11 | <0.14 | 8.7 J | <0.085 | ND | 3.5 |
| VP-2 | 05/05/21 | **21** | <0.21 | 130 | 22 | 3.4 | 16 | <0.15 | 3.8 J | <0.16 | <0.15 | 5.5 | 19 J | <0.25 | <0.25 | <0.19 | <0.33 | 41 | 23 J | **7.1** | 21 | <0.14 | 11 | <0.085 | ND | 0.0 |
| VP-3 | 05/05/21 | <0.21 | <0.21 | 190 | 6.0 | 13 | 8.9 J | <0.15 | 3.2 J | <0.16 | 4.6 | 31 | 9.5 J | 1.3 J | <0.25 | 4.9 | <0.33 | 56 | 10 J | **22** | 190 | 15 | 42 | 12 | ND | 0.0 |
| VP-4 | 05/05/21 | <0.21 | <0.21 | 96 | 6.3 | 3.5 | 12 J | <0.15 | <0.46 | <0.16 | <0.15 | 19 | 12 J | <0.25 | 33 | <0.19 | 9.4 | 88 | 31 J | <0.14 | 74 | 9.4 | 38 | 12 | ND | 7.3 |
| VP-5 | 05/05/21 | **<19** | <8.7 | <17 | <8.3 | <11 | <22 | **<9.4** | <7.4 | <12 | <21 | <10 | <24 | <15 | <15 | <13 | <15 | <11 | <50 | **<4.9** | 91 J | <10 | <15 | <9.3 | ND | 0.0 |
| VP-6 | 05/05/21 | **72** | 7.7 | 170 | 88 | 9.1 | 10 J | **8.4** | <0.46 | 5.9 | 7.8 | 27 | 8.5 J | <0.25 | 40 | 2.0 J | <0.33 | 120 | <0.14 | **16** | 21 | 5.1 | 10 | 4.2 J | ND | 0.0 |
| VP-7 | 05/05/21 | **200** | 7.4 | 170 | 19 | 3.2 | 26 | <0.15 | <0.46 | <0.16 | <0.15 | 8.0 | 7.8 J | <0.25 | 50 | <0.19 | <0.33 | 180 | 60 | **7.1** | 8.9 | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| VP-8 | 05/05/21 | **900** | <0.21 | 100 | 7.1 | <0.22 | 10 J | <0.15 | <0.46 | <0.16 | <0.15 | 13 | 7.4 J | <0.25 | 25 | <0.19 | <0.33 | 91 | 22 J | **3.7** | 100 | 7.7 | 27 | 7.9 | ND | 0.0 |
| VP-9 | 05/05/21 | **860** | 14 | 120 | 7.1 | <0.22 | 9.5 J | **8.7** | <0.46 | <0.16 | <0.15 | <0.43 | 5.7 J | <0.25 | 11 | <0.19 | <0.33 | 52 | 13 J | <0.14 | <0.14 | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| VP-10 | 05/05/21 | **500** | <0.21 | 91 | 5.1 | 15 | 8.7 J | <0.15 | <0.46 | <0.16 | <0.15 | 6.9 | <0.43 | <0.25 | 13 | <0.19 | <0.33 | 59 | 14 J | <0.14 | 3.4 J | <0.14 | <0.20 | <0.085 | ND | 0.0 |
| **Environmental Screening Levels (ESLs) [1] (Tier 1 / Residential)** | | **15** | **16** | **1,100,000** | **NE** | **NE** | **NE** | **4.1** | **3,100** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **31,000** | **NE** | **170,000** | **100,000** | **3.2** | **10,000** | **37** | **3,500** | **3,500** | **NA** | **NE** |
| **Environmental Screening Levels (ESLs) [1] (Commercial)** | | **67** | **100** | **4,500,000** | **NE** | **NE** | **NE** | **18** | **13,000** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **130,000** | **NE** | **730,000** | **440,000** | **14** | **44,000** | **160** | **15,000** | **15,000** | **NA** | **NE** |

NOTES:
All units are in micrograms per cubic meter (µg/m$^3$)
1,1-DFA = 1,1-Difluoroethane
NA = not applicable
NE = not established
ND = not detected above the method detection limit
"<" = not detected above the method detection limit value specified
J = The identification of the detected analyte is accurate, the reported value is an estimated concentrations between the laboratory detection limit and reporting limit
USEPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
**Bold Blue Concentration**- indicates concentration above residential ESL
**Bold Red Concentration**- indicates concentration above commercial ESL

[1] ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, January 2019 (Rev. 2)
[2] Indicates a non-detect concentration at a laboratory reporting limit higher than the respective residential ESL.

# APPENDIX A

## Grading Plans




## DEMOLITION NOTES

1. DEMOLISH, REMOVE AND DISPOSE OF EXISTING BUILDING, BUILDING SLABS, COLUMNS, FOOTINGS, CANOPIES, STAIRS, LIGHTING, FIXTURES, RECEPTACLES, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING. REMOVE ALL EXISTING ABOVE GROUND WATER & GAS LINES. DISCONNECT AND CAP ALL UTILITY SEWER, WATER, AND GAS LINE BELOW GRADE.
2. REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT.
3. REMOVE AND DISPOSE OF EXISTING CURB.
4. REMOVE AND DISPOSE OF EXISTING CONCRETE GUTTER.
5. REMOVE AND DISPOSE OF EXISTING LANDSCAPING AND IRRIGATION, COORDINATE REMOVALS WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION.
6. REMOVE AND DISPOSE OF EXISTING BACKFLOW DEVICE.
7. REMOVE AND DISPOSE OF EXISTING FIRE DEPARTMENT CONNECTION.
8. REMOVE AND DISPOSE OF EXISTING DOUBLE CHECK DETECTOR ASSEMBLY.
9. REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT.
10. REMOVE AND DISPOSE OF EXISTING WATER VALVE.
11. REMOVE AND DISPOSE OF EXISTING ELECTRICAL VAULT.
12. REMOVE AND DISPOSE OF YARD LIGHT, FOUNDATION, CONDUITS AND CONDUCTORS.
13. REMOVE AND DISPOSE OF EXISTING SIGN AND FOOTING.
14. REMOVE AND DISPOSE OF EXISTING CONCRETE WALK.
15. REMOVE AND DISPOSE OF EXISTING TRASH ENCLOSURE.
16. REMOVE AND DISPOSE OF EXISTING BLOCK WALL.
17. REMOVE AND DISPOSE OF FENCE/GATE.
18. PROTECT IN PLACE EXISTING WALL.
19. PROTECT IN PLACE EXISTING RETAINING WALL AND FENCE.

## SCOPE OF WORK

1. DEMOLISH ENTIRE BUILDING AND SLAB.

## TOTAL AREA OF SOIL DISTURBANCE

2.81 ACRES

## GENERAL NOTES

1. ALL UTILITY LINES MUST BE PROPERLY AND SAFELY CAPPED AS NEEDED.

## LEGEND

LIMITS OF ON-SITE REMOVAL

LIMITS OF BUILDING REMOVAL

TRUE NORTH

SCALE: 1"=30'

CALLISONRTKL

CallisonRTKL Inc.
333 S HOPE ST C-200
LOS ANGELES, CA 90071
PHONE - 213.333.6000

CRTKL PROJECT NO. - XXX-XXXXXX.XX

# HUNTINGTON BEACH SENIOR LIVING

SIGNATURE & SEAL

ISSUE DRAWING LOG

| DRAWING ISSUE LOG | | |
|---|---|---|
| REV | DESCRIPTION | DATE |
| | CUP SUBMITTAL | 10/15/21 |

KHR ASSOCIATES
CONSULTING ENGINEERS/SURVEYORS
17530 Von Karman Avenue - Suite 200
Irvine, California 92614 Tel (949) 756-6440
CONTACTS: JAMES KAWAMURA / GABE URIBE
jkawamura@khrdesign.com / guribe@khrdesign.com

CUP SUBMITTAL

CONCEPTUAL ON-SITE DEMOLITION PLAN

C-1



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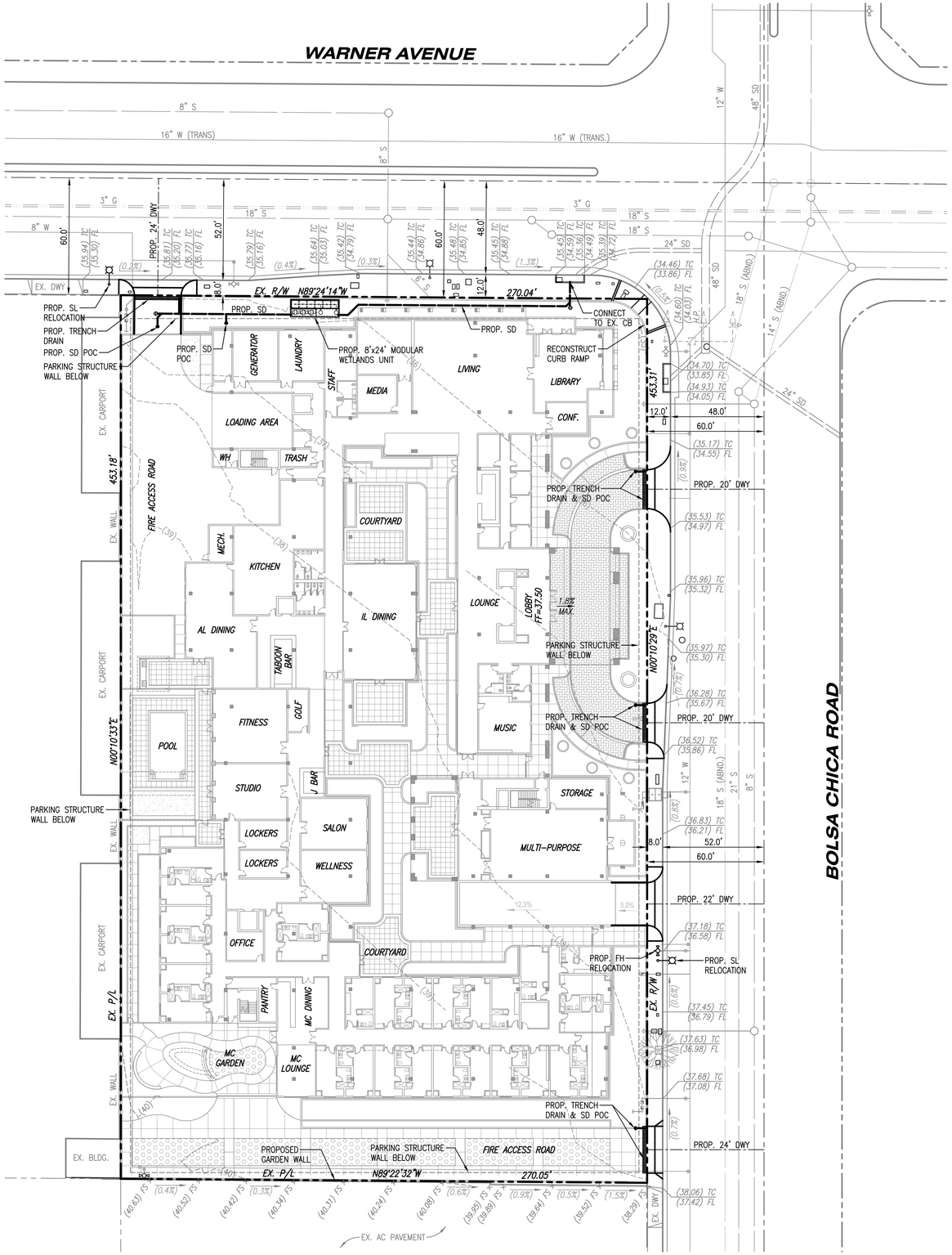


## LEGAL DESCRIPTION

ALL THAT CERTAIN PROPERTY SITUATED IN THE COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

A PORTION OF LOT 2 IN BLOCK 20 OF TRACT NO. 86, IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 10, PAGES 35 AND 36, MISCELLANEOUS MAPS, IN THE OFFICE OF COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THAT PORTION OF THE WEST 30.00 FEET OF BOLSA CHICA STREET ADJOINING SAID LOT ON THE EAST VACATED BY ORDER OF THE BOARD OF SUPERVISORS OF SAID COUNTY, A CERTIFIED COPY OF WHICH WAS RECORDED ON JULY 15, 1943 IN BOOK 1197, PAGE 424 OF OFFICIAL RECORDS.

EXCEPTING THEREFROM THE INTEREST IN THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF HUNTINGTON BEACH, FOR ROAD PURPOSES BY DEED RECORDED NOVEMBER 20, 1963 IN BOOK 6813, PAGE 177, OF OFFICIAL RECORDS.

## CONCEPTUAL EXCAVATION QUANTITY ESTIMATE

| | |
|---|---|
| CUT | 55,000 CY |
| FILL | 0 CY |
| EXPORT | 55,000 CY |

(BASED ON LEVEL 1 FF=37.50, LEVEL B1 FF=25.50, & 12" THICK SLAB/UNDERLAYMENT)

TRUE NORTH

SCALE: 1"=30'


CALLISONRTKL

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333 S HOPE ST C-200
LOS ANGELES, CA 90071
PHONE - 213.333.6000


CRTKL PROJECT NO. - XXX-XXXXXX.XX

# HUNTINGTON BEACH SENIOR LIVING

SIGNATURE & SEAL

ISSUE DRAWING LOG

DRAWING ISSUE LOG

| REV | DESCRIPTION | DATE |
|---|---|---|
| | CUP SUBMITTAL | 10/15/21 |


KHR ASSOCIATES
CONSULTING ENGINEERS/SURVEYORS
17530 Von Karman Avenue - Suite 200
Irvine, California 92614 Tel (949) 756-6440
CONTACTS: JAMES KAWAMURA / GABE URIBE
jkawamura@khrdesign.com / guribe@khrdesign.com


CUP SUBMITTAL

CONCEPTUAL GRADING & DRAINAGE PLAN

**C-2**




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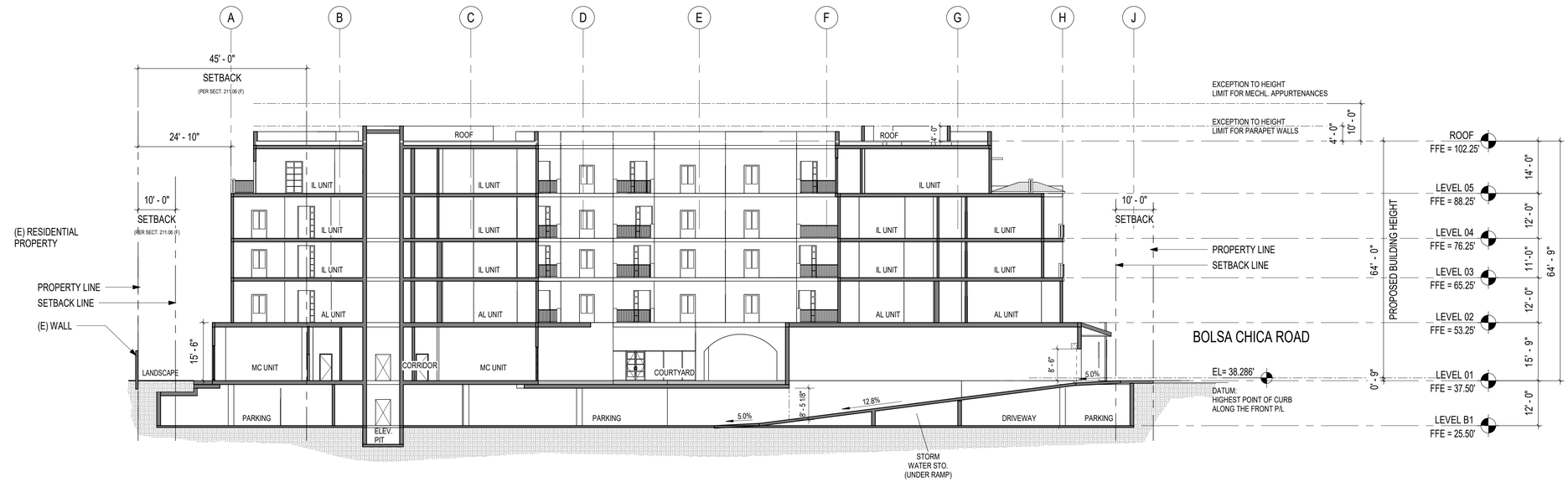
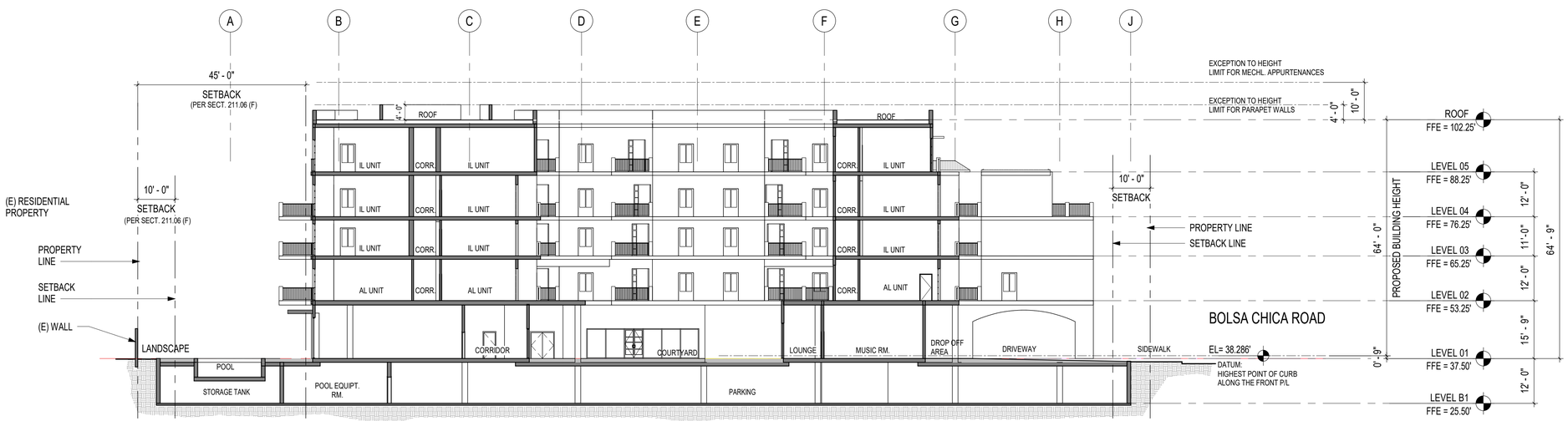



1 BUILDING SECTION 01

SCALE: 1/16" = 1'-0"




2 BUILDING SECTION 02

SCALE: 1/16" = 1'-0"

CALLISONRTKL

CallisonRTKL Inc.
333 S HOPE ST C-200
LOS ANGELES, CA 90071
PHONE - 213.333.6000

CRTKL PROJECT NO. - XXX-XXXXXX.XX

# HUNTINGTON BEACH SENIOR LIVING

SIGNATURE & SEAL

ISSUE DRAWING LOG

| DRAWING ISSUE LOG | | |
|---|---|---|
| REV | DESCRIPTION | DATE |
| | CUP SUBMITTAL | 10/15/21 |

CUP SUBMITTAL

BUILDING SECTIONS

A-301



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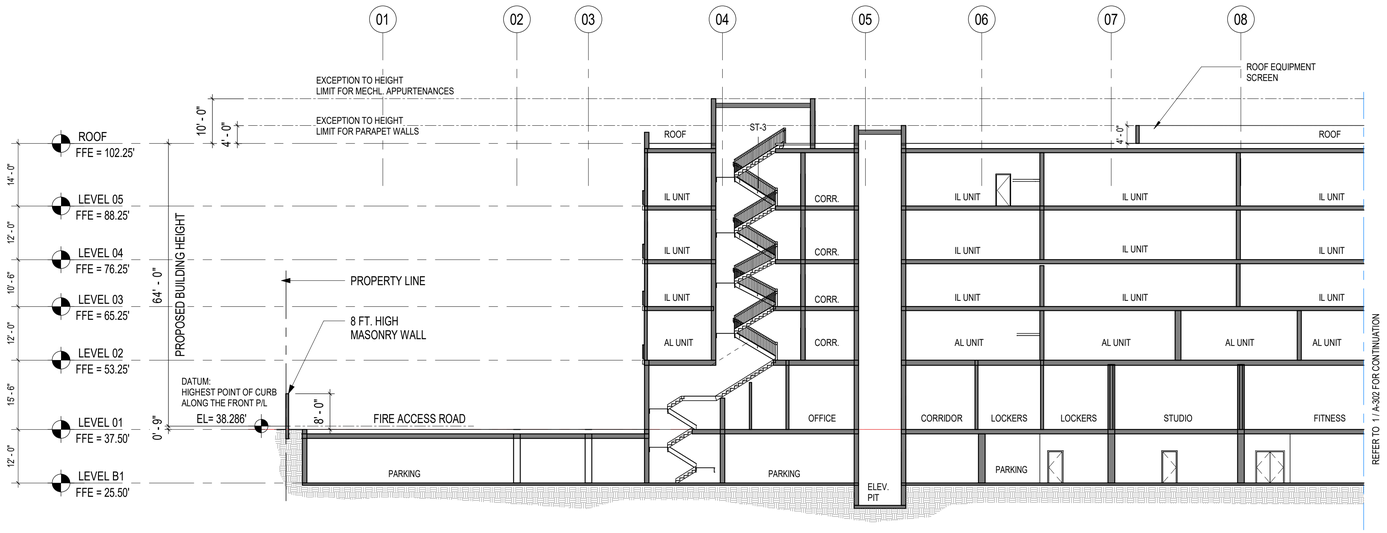
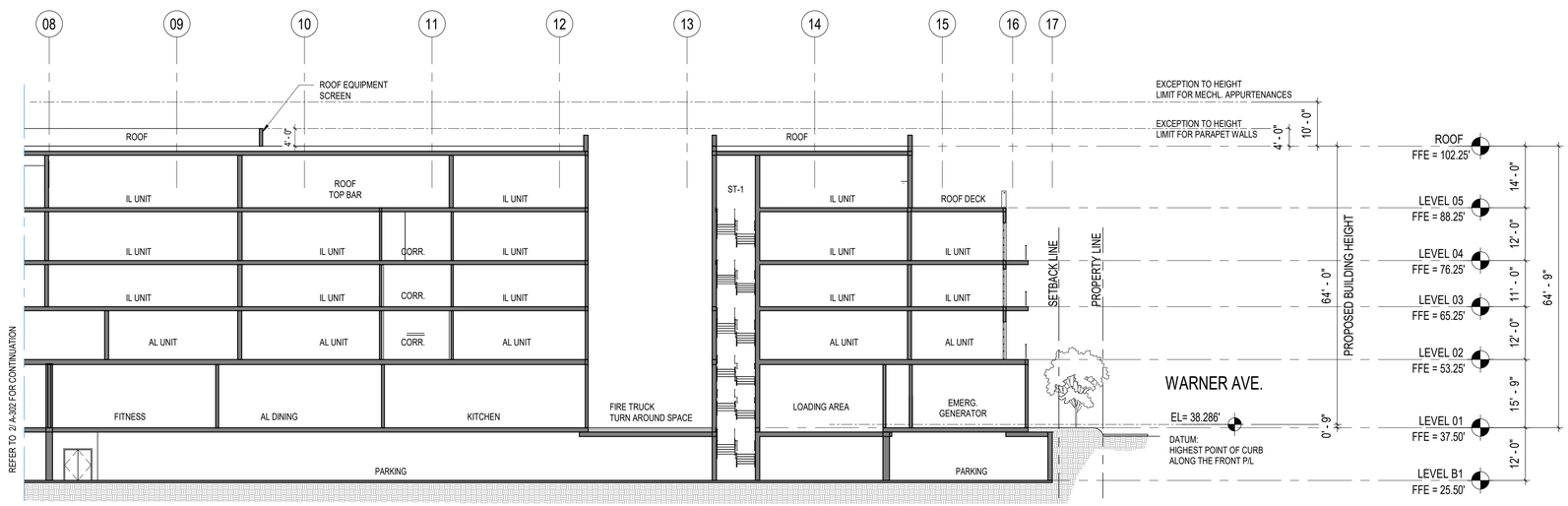



2 BUILDING SECTION_03

SCALE: 1/16" = 1'-0"




1 BUILDING SECTION 03

SCALE: 1/16" = 1'-0"

CALLISONRTKL

CallisonRTKL Inc.
333 S HOPE ST C-200
LOS ANGELES, CA 90071
PHONE - 213.333.6000

CRTKL PROJECT NO. - XXX-XXXXXX.XX

HUNTINGTON BEACH
SENIOR LIVING

SIGNATURE & SEAL

ISSUE DRAWING LOG

| DRAWING ISSUE LOG | | |
|---|---|---|
| REV | DESCRIPTION | DATE |
| | CUP SUBMITTAL | 10/15/21 |

CUP SUBMITTAL

BUILDING SECTIONS

# A-302



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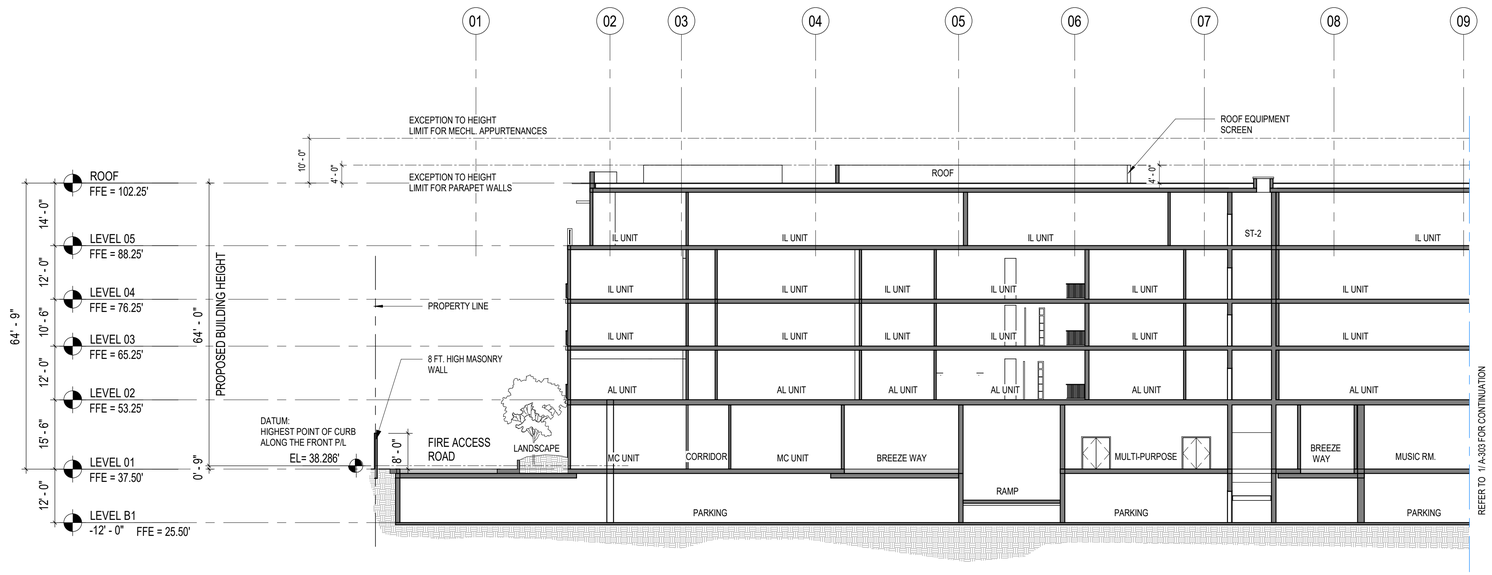
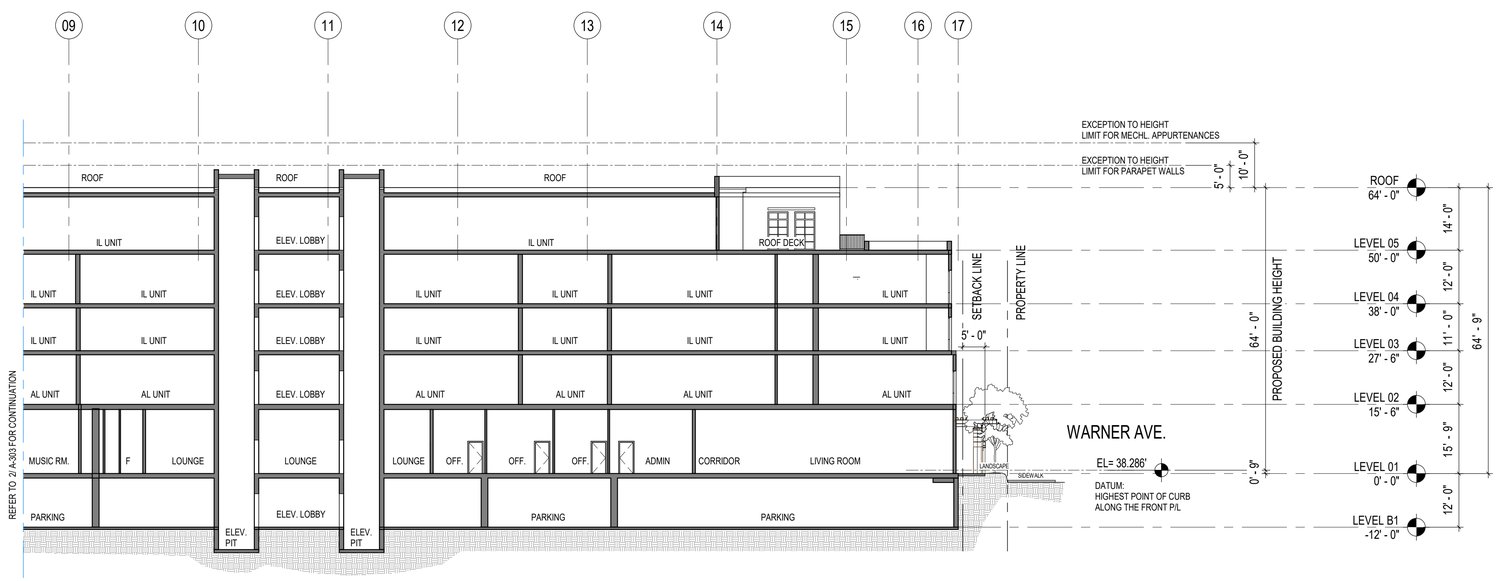



2 BUILDING SECTION_04

SCALE: 1/16" = 1'-0"




1 BUILDING SECTION 04

SCALE: 1/16" = 1'-0"

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333 S HOPE ST C-200
LOS ANGELES, CA 90071
PHONE - 213.333.6000

CRTKL PROJECT NO. - XXX-XXXXXX.XX

HUNTINGTON BEACH
SENIOR LIVING

SIGNATURE & SEAL

ISSUE DRAWING LOG

| DRAWING ISSUE LOG | | |
|---|---|---|
| REV | DESCRIPTION | DATE |
| | CUP SUBMITTAL | 10/15/21 |

CUP SUBMITTAL

BUILDING SECTIONS

# A-303



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# APPENDIX B

## OCHCA Case Closure

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

STEVEN K. WONG, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
E-MAIL: environhealth@hca.co.orange.ca.us

*Excellence*
*Integrity*
*Service*

June 1, 2004

Natasha Molla
Chevron Environmental Management Company
145 S. State College Blvd.
Brea, CA 92822-2292

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
ChevronTexaco Heritage Site #21-2242
4972 Warner Avenue
Huntington Beach, CA 92649
OCHCA Case #03UT18

Dear Ms. Molla:

This letter confirms the completion of site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code.

Please contact Arghavan Rashidi-Fard of our office at (714) 667-3713 if you have any questions regarding this matter.

Sincerely,

Steven K. Wong, REHS, MPH, Director
Environmental Health Division

Attachment: Case Closure Summary

cc: Tom Mbeke-Ekanem, Santa Ana Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health
Steven Draper, SAIC Inc.
Virginia Filipan

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Site characterization complete? **Yes** | | |
| Monitoring wells installed? **Yes** | Number: **6** | |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | |
| Are drinking water wells affected? **No** | | |
| Is surface water affected? **No** | SW | |
| Report(s) on file? **Yes** | | |

| Material | Amount (include Units) | Action (treatment or disposal/destination) | |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Tank Program

## I. Agency Information

Date: **March 16, 2004**

| | |
|---|---|
| Agency Name: **Orange County Health Care Agency** | Address: **2009 East Edinger Avenue** |
| City/State/Zip: **Santa Ana, CA 92705** | Phone: **(714) 667-3713** |
| Responsible staff person: **Arghavan Rashidi-Fard** | Title: **Hazardous Waste Specialist** |

## II. Case Information

| | | |
|---|---|---|
| Site Facility Name: **ChevronTexaco Heritage Site #21-2242** | | |
| Site Facility Address: **4972 Warner Avenue, Huntington Beach 92649** | | |
| RB LUSTIS Case No.: | Local Case No.: **03UT18** | LOP Case No.: |
| Responsible Party | Address | Phone Number |
| **Natasha Molla**<br>**Chevron Environmental Management Co** | **145 S. State College Blvd.**<br>**Brea, CA 92822-2292** | **(714) 671-3537** |
| | | |
| | | |

| Tank No | Size in Gal. | Contents | Closed in-Place/Removed? | Date |
|---|---|---|---|---|
| 1 | **Not Known** | | | |
| 2 | | | | |
| 3 | | | | |

## III. Release and Site Characterization Information

| | | |
|---|---|---|
| Site characterization complete? **Yes** | | |
| Monitoring wells installed? **Yes** | Number: **6** | |
| Highest GW depth BGS: **40.34'** | Lowest depth: **47.67'** | |
| Are drinking water wells affected? **No** | | |
| Is surface water affected? **No** | SW | |
| Report(s) on file? **Yes** | | |

| Material | Amount (include Units) | Action (treatment or disposal/destination) | |
|---|---|---|---|
| Tank | **NA** | | |
| Piping | | | |
| Soil | | | |
| Groundwater | | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018

Date: **March 16, 2004**

## III. Release and Site Characterization Information (Continued)

| Contaminant | Soil (ppm) | | Water (ppm) | | | Contaminant | Soil (ppm) | | Water (ppm) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Before | After | Before | After | Grab Sample | | Before | After | Before | After |
| TPH (gas) | **6700** | **same** | **2.340** | **2.300** | **53** | MTBE | **NA** | **ND** | **ND** | **ND** |
| TPH (diesel) | **1200** | **same** | **.860** | **.510** | **44** | TBA | **NA** | **ND** | **.018** | **.027** |
| Benzene | **3.7** | **same** | **.084** | **.089** | **9.2** | DIPE | **NA** | **ND** | **ND** | **ND** |
| Toluene | **66.2** | **same** | **.140** | **.350** | **8.1** | TAME | **NA** | **ND** | **ND** | **ND** |
| Ethylbenzene | **31.5** | **same** | **.078** | **.082** | **2.2** | ETBE | **NA** | **ND** | **ND** | **ND** |
| Xylenes | **690** | **same** | **.217** | **.360** | **4.6** | | | | | |

Comments (Depth of Remediation, etc.): **The site was operated as a gas station from 1963 to 1977. Site assessment activities consisting of nine borings and one well were conducted in 1993 and 1994 for a property transaction for a bank. Soil and groundwater contamination was detected during those site assessment activities; however, the results were not reported to this Agency until 2003 when Chevron's legal department reviewed the findings and decided further site assessment was necessary. Additional site assessment including installation of five additional wells was conducted to delineate the extent of the plume in 11-02 and 7-03. The highest soil contamination listed in the table above was detected in borings FNB-B6 and MW-3 drilled in the south end of the former tank excavation between 26 and 36 feet below grade (fbg) in borings that are approximately 20 feet apart. FNB-B6 was drilled in November 1993 while MW-3 was installed in November 2002.**

**During the initial assessment in November 1993, one grab groundwater sample was collected from the worst case boring FNB-B6. The results of the grab groundwater sample are listed in the table above. The BTEX in groundwater samples collected from the six wells have been below the MCLs or Santa Ana Regional Water Quality Control Board's "low-risk" concentrations, except for toluene at 350 ppb detected in well MW-3 on in December 2003. Well MW-2 located downgradient of the MW-3 and boring FNB-B6 and former tank excavation was dry for three quarters. Results from December 2003 sampling showed 2.6 ppb benzene, 1.6 ppb xylenes, and non-detect for toluene and ethylbenzene.**

**No further work is recommended for the site with the following considerations:**

- **The known soil contamination is limited in extent in silty clay/clayey soil to the south of the former tank area and on the edge of a southeastern dispenser at depths between 26 to 36 fbg.**
- **The known soil contamination has not significantly impacted groundwater as evident by groundwater results.**
- **The benzene levels seen in well MW-3, the nearest upgradient well to the present building, do not provide a vapor intrusion threat.**

## IV. Closure

| | | |
|---|---|---|
| Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? **Yes** | | |
| Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? **Yes** | | |
| Does corrective action protect public health for current land use? **Yes** | | |
| Site management requirements: **OCHCA must be notified if a structure is going to be place over the area where high soil contaminants remain in place.** | | |
| Should corrective action be reviewed if land use changes? **Yes, if land use changes to residential.** | | |
| Monitoring wells decommissioned: **No** | Number decommissioned: | Number Retained: |
| List enforcement actions taken: | | |
| List enforcement actions rescinded: | | |

# Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: 03UT018
Date: March 15, 2004

## V. Local Agency Representative Data

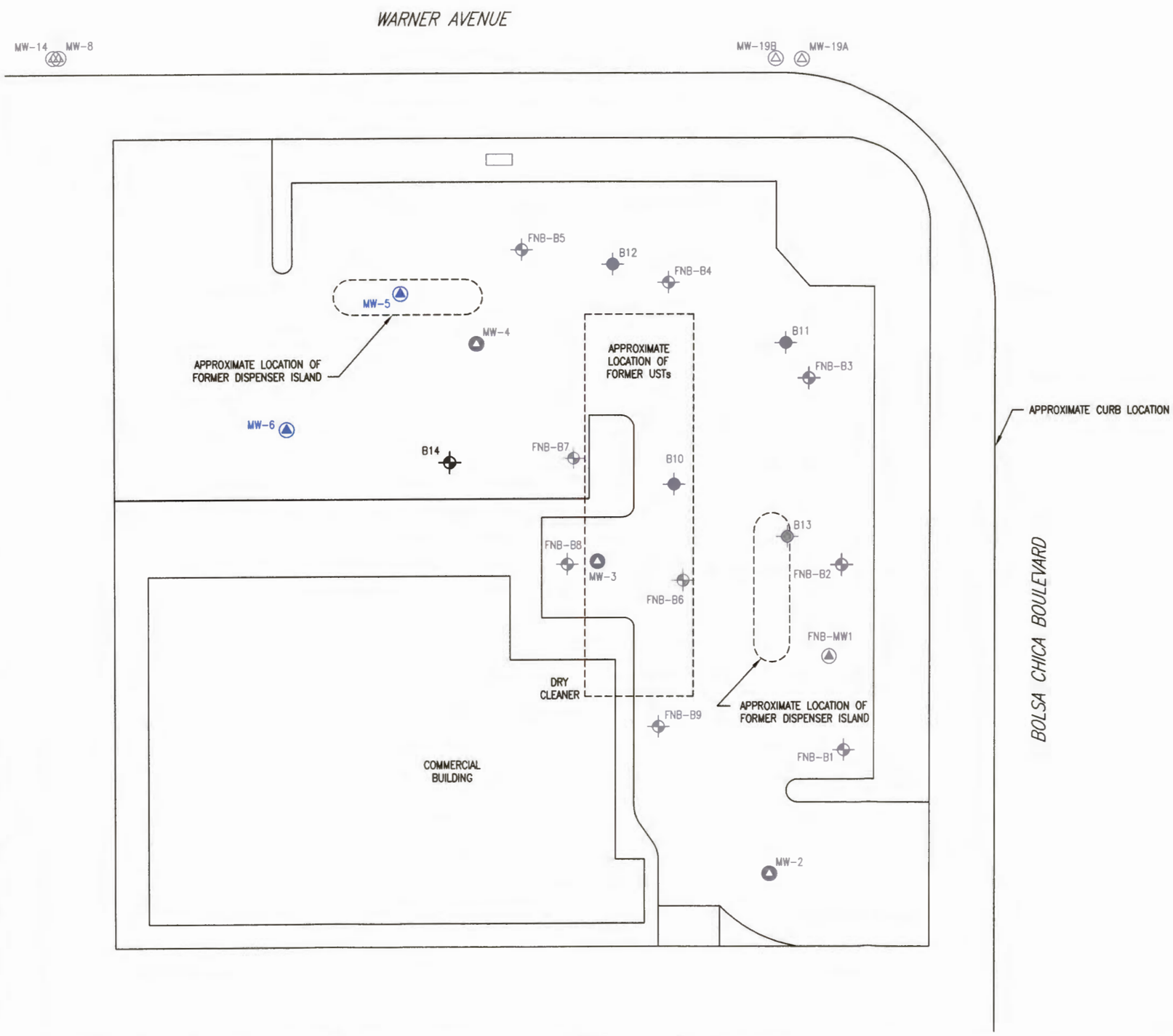
| | | | |
|---|---|---|---|
| Name: Arghavan Rashidi-Fard | | Title: Hazardous Waste Specialist | |
| Signature: Arghavan Rashidi-Fard | | 3-22-04 | Date: 3-15-04 |

## VI. RWQCB Notification

| | | |
|---|---|---|
| Date Submitted to RB: 3-26-04 | RB Response: Concur w/ Closure | |
| RWQCB Staff Name: Tom Mbeke Ekanem | Title: Sanitary Engineering Associate | Date: 4/5/04 |
| RWQCB Staff Name: Kenneth R. Williams | Title: Chief, UST Section | |
| Signature: Kenneth R. Williams | | Date: 4/5/04 |

# APPENDIX C

## Historical Site Plans Showing Sample Locations (SAIC, 2003)




## EXPLANATION

- SOIL BORING (SAIC, 2003)
- GROUNDWATER MONITORING WELL (SAIC, 2003)
- GROUNDWATER MONITORING WELL (KENNEDY/JENKS, 1993)
- GROUNDWATER MONITORING WELL (MACTEC, 2002)
- OFFSITE GROUNDWATER MONITORING WELL (APPROXIMATE) (MOBIL)
- SOIL BORING (KENNEDY/JENKS, 1993-1994)
- SOIL BORING (MACTEC, 2002)

NOTE:
FORMER DISPENSER ISLAND AND UST LOCATIONS ARE APPROXIMATELY BASED ON AERIAL PHOTOS. FORMER STATION LAYOUT WAS NOT AVAILABLE.

N

APPROXIMATE
Scale 0 10 20 feet

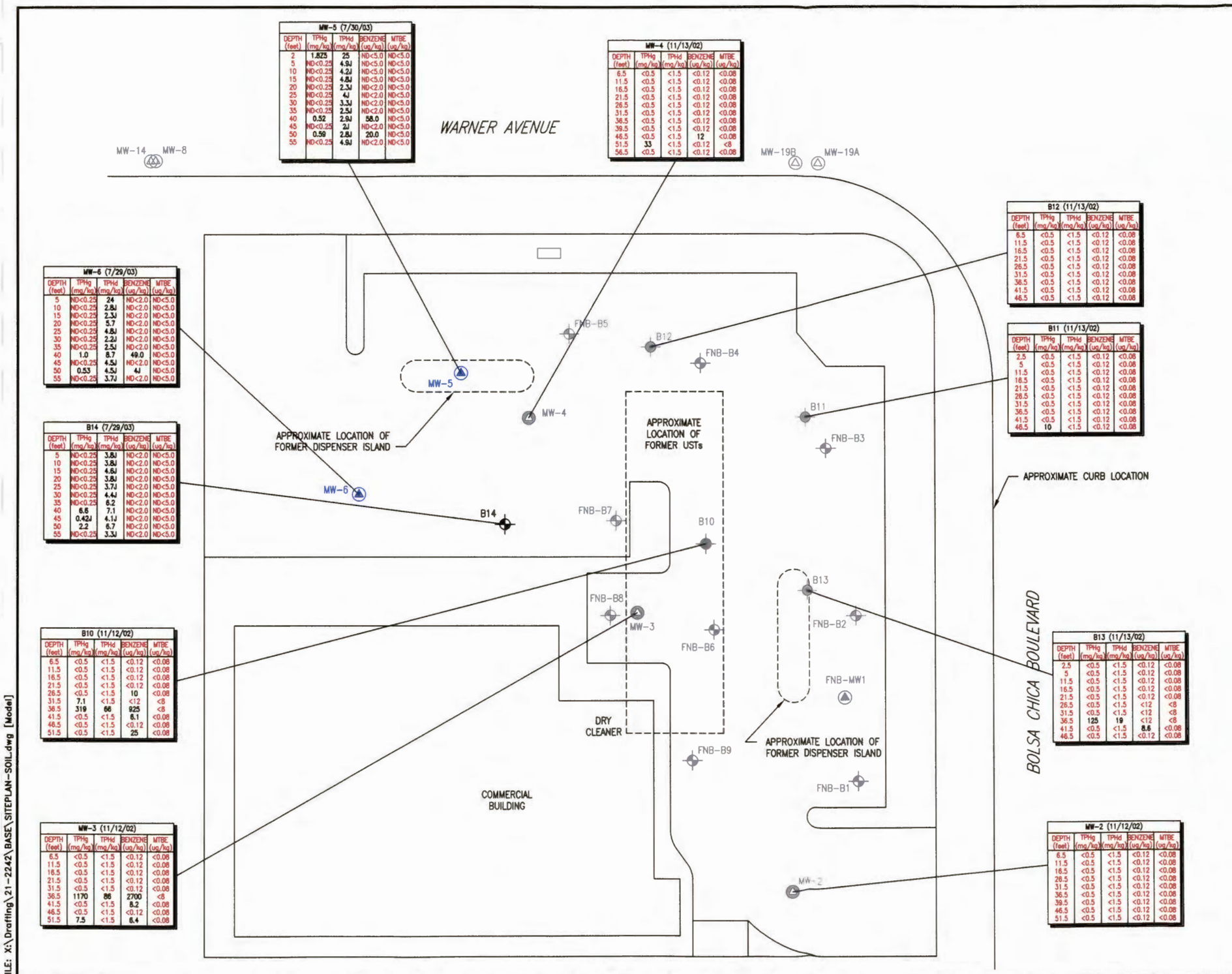
Chevron Environmental Management Company
SERVICE STATION NO. 21-2242
4972 WARNER AVENUE; HUNTINGTON BEACH, CA

SITE PLAN SHOWING SOIL BORINGS AND MONITORING WELL LOCATIONS
SEPTEMBER 8, 2003

| | | | |
|---|---|---|---|
| DRAWN: JLT | CHECKED: | APPROVED: | PLATE NO. 3 |
| DATE: 09/03 | DATE: | DATE: | |
| JOB NO. 06-6041-00-3001-284 | | FILE: | |

Science Applications International Corporation
An Employee-Owned Company

FILE: X:\Drafting\21-2242\BASE\SITEPLAN3-284.dwg [Model]




| MW-5 (7/30/03) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 2 | 1.875 | 25 | ND<5.0 | ND<5.0 |
| 5 | ND<0.25 | 4.9J | ND<5.0 | ND<5.0 |
| 10 | ND<0.25 | 4.2J | ND<5.0 | ND<5.0 |
| 15 | ND<0.25 | 4.8J | ND<5.0 | ND<5.0 |
| 20 | ND<0.25 | 2.3J | ND<2.0 | ND<5.0 |
| 25 | ND<0.25 | 4J | ND<2.0 | ND<5.0 |
| 30 | ND<0.25 | 3.3J | ND<2.0 | ND<5.0 |
| 35 | ND<0.25 | 2.5J | ND<2.0 | ND<5.0 |
| 40 | 0.52 | 2.9J | 58.0 | ND<5.0 |
| 45 | ND<0.25 | 2J | ND<2.0 | ND<5.0 |
| 50 | 0.59 | 2.8J | 20.0 | ND<5.0 |
| 55 | ND<0.25 | 4.9J | ND<2.0 | ND<5.0 |

| MW-4 (11/13/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 39.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | <0.5 | <1.5 | 12 | <0.08 |
| 51.5 | 33 | <1.5 | <0.12 | <8 |
| 56.5 | <0.5 | <1.5 | <0.12 | <0.08 |

| B12 (11/13/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 41.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |

| B11 (11/13/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 2.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 41.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | 10 | <1.5 | <0.12 | <0.08 |

| MW-6 (7/29/03) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 5 | ND<0.25 | 24 | ND<2.0 | ND<5.0 |
| 10 | ND<0.25 | 2.8J | ND<2.0 | ND<5.0 |
| 15 | ND<0.25 | 2.3J | ND<2.0 | ND<5.0 |
| 20 | ND<0.25 | 5.7 | ND<2.0 | ND<5.0 |
| 25 | ND<0.25 | 4.8J | ND<2.0 | ND<5.0 |
| 30 | ND<0.25 | 2.2J | ND<2.0 | ND<5.0 |
| 35 | ND<0.25 | 2.5J | ND<2.0 | ND<5.0 |
| 40 | 1.0 | 8.7 | 49.0 | ND<5.0 |
| 45 | ND<0.25 | 4.5J | ND<2.0 | ND<5.0 |
| 50 | 0.53 | 4.5J | 4J | ND<5.0 |
| 55 | ND<0.25 | 3.7J | ND<2.0 | ND<5.0 |

| B14 (7/29/03) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 5 | ND<0.25 | 3.8J | ND<2.0 | ND<5.0 |
| 10 | ND<0.25 | 3.8J | ND<2.0 | ND<5.0 |
| 15 | ND<0.25 | 4.6J | ND<2.0 | ND<5.0 |
| 20 | ND<0.25 | 3.8J | ND<2.0 | ND<5.0 |
| 25 | ND<0.25 | 3.7J | ND<2.0 | ND<5.0 |
| 30 | ND<0.25 | 4.4J | ND<2.0 | ND<5.0 |
| 35 | ND<0.25 | 6.2 | ND<2.0 | ND<5.0 |
| 40 | 6.6 | 7.1 | ND<2.0 | ND<5.0 |
| 45 | 0.42J | 4.1J | ND<2.0 | ND<5.0 |
| 50 | 2.2 | 6.7 | ND<2.0 | ND<5.0 |
| 55 | ND<0.25 | 3.3J | ND<2.0 | ND<5.0 |

| B10 (11/12/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | 10 | <0.08 |
| 31.5 | 7.1 | <1.5 | <12 | <8 |
| 36.5 | 319 | 66 | 825 | <8 |
| 41.5 | <0.5 | <1.5 | 6.1 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | <0.5 | <1.5 | 25 | <0.08 |

| B13 (11/13/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 2.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <12 | <8 |
| 31.5 | <0.5 | <1.5 | <12 | <8 |
| 36.5 | 125 | 19 | <12 | <8 |
| 41.5 | <0.5 | <1.5 | 8.6 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |

| MW-3 (11/12/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 21.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | 1170 | 86 | 2700 | <8 |
| 41.5 | <0.5 | <1.5 | 8.2 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | 7.5 | <1.5 | 6.4 | <0.08 |

| MW-2 (11/12/02) | | | | |
|---|---|---|---|---|
| DEPTH (feet) | TPHg (mg/kg) | TPHd (mg/kg) | BENZENE (ug/kg) | MTBE (ug/kg) |
| 6.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 11.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 16.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 26.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 31.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 36.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 39.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 46.5 | <0.5 | <1.5 | <0.12 | <0.08 |
| 51.5 | <0.5 | <1.5 | <0.12 | <0.08 |

## EXPLANATION

- SOIL BORING (SAIC, 2003)
- GROUNDWATER MONITORING WELL (SAIC, 2003)
- GROUNDWATER MONITORING WELL (KENNEDY/JENKS, 1993)
- GROUNDWATER MONITORING WELL (MACTEC, 2002)
- OFFSITE GROUNDWATER MONITORING WELL (APPROXIMATE) (MOBIL)
- SOIL BORING (KENNEDY/JENKS, 1993-1994)
- SOIL BORING (MACTEC, 2002)

NOTES:
1. FORMER DISPENSER ISLAND AND UST LOCATIONS ARE APPROXIMATELY BASED ON AERIAL PHOTOS. FORMER STATION LAYOUT WAS NOT AVAILABLE.
2. ANALYTICAL RESULT "J" VALUES ARE ESTIMATES BELOW REPORTING LIMITS.

N

APPROXIMATE
Scale 0 10 20 feet

**Chevron Environmental Management Company**
SERVICE STATION NO. 21-2242
4972 WARNER AVENUE; HUNTINGTON BEACH, CA

SITE PLAN SHOWING SOIL ANALYTICAL RESULTS
NOVEMBER 12 & 13, 2002 AND JULY 29 & 30, 2003

| DRAWN: JLT | CHECKED: | APPROVED: | PLATE NO. |
|---|---|---|---|
| DATE: 09/03 | DATE: | DATE: | 4 |
| JOB NO. 06-6041-00-3001-284 | | FILE: | |

Science Applications International Corporation
An Employee-Owned Company

FILE: X:\Drafting\21-2242\BASE\SITEPLAN-SOIL.dwg [Model]

# APPENDIX D

## Historical Soil Sample Analytical Results Tables (SAIC, 2003)

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
1st NATIONWIDE BANK - HUNTINGTON BEACH
K/J 930062.01



| SAMPLE NO. | SAMPLE DATE | SAMPLING INTERVAL (feet) | REPORTED CONCENTRATIONS AND EPA ANALYTICAL METHOD | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | TPH AS GASOLINE[1] MODIFIED 8015 (mg/kg) | TPH AS DIESEL[2] MODIFIED 8015 (mg/kg) | BENZENE[3] 8020 (mg/kg) | TOLUENE[3] 8020 (mg/kg) | ETHYLBENZENE[3] 8020 (mg/kg) | XYLENES[3] 8020 (mg/kg) |
| FNB-B1-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | ND |
| FNB-B2-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | ND |
| FNB-B3-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | ND |
| FNB-B4-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | ND |
| FNB-B5-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | ND |
| FNB-B6-21.0 | 11/10/93 | 21.0 - 21.5 | ND | ND | ND | ND | ND | 0.0068 |
| FNB-B6-26.0 | 11/10/93 | 26.0 - 26.5 | 6,700[4] | 1,200[11] | 3.7[5] | 26[5] | 26[5] | 690[5] |
| FNB-B7B | 02/02/94 | 25.5 - 26.0 | ND | ND | ND | ND | ND | ND |
| FNB-B8B | 02/02/94 | 25.5 - 26.0 | ND | ND | ND | ND | ND | ND |
| FNB-B9B | 02/02/94 | 25.5 - 26.0 | ND | ND | ND | ND | ND | ND |
| FNB-B6-31.0 | 11/10/93 | 31.0 - 31.5 | 110[7] | 13[11] | ND[8] | 6.9[8] | 1.8[8] | 11[8] |
| FNB-B7C | 02/02/94 | 30.5 - 31.0 | 0.81 | ND | 0.055 | 0.016 | 0.013 | 0.078 |
| FNB-B8C | 02/02/94 | 30.5 - 31.0 | 0.56 | 40 | 0.015 | 0.038 | ND | 0.038 |
| FNB-9C | 02/02/94 | 30.5 - 31.0 | ND | ND | ND | ND | ND | ND |

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
1st NATIONWIDE BANK - HUNTINGTON BEACH
K/J 930062.01



| SAMPLE NO. | SAMPLE DATE | SAMPLING INTERVAL (feet) | REPORTED CONCENTRATIONS AND EPA ANALYTICAL METHOD | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | TPH AS GASOLINE[1] MODIFIED 8015 (mg/kg) | TPH AS DIESEL[2] MODIFIED 8015 (mg/kg) | BENZENE[3] 8020 (mg/kg) | TOLUENE[3] 8020 (mg/kg) | ETHYLBENZENE[3] 8020 (mg/kg) | XYLENES[3] 8020 (mg/kg) |
| FNB-B6-36.0 | 11/10/93 | 36.0 - 36.5 | 920[9] | 80[11] | 4.1[10] | 32[10] | 14[10] | 72[10] |
| FNB-B7D | 02/02/94 | 36.0 - 36.5 | 0.98 | ND | 0.0098 | ND | ND | 0.094 |
| FNB-B8D | 02/02/94 | 35.5 - 36.0 | 13[12] | 88 | 0.40[13] | 1.3[13] | 0.24[13] | 1.6[13] |
| FNB-9D | 02/02/94 | 35.5 - 36.0 | 0.58 | ND | ND | 0.011 | ND | 0.038 |

NOTES:

1) Quantitation Limit 0.50 mg/kg unless otherwise noted
2) Quantitation Limit 10 mg/kg unless otherwise noted
3) Quantitation Limit 0.0050 mg/kg unless otherwise noted
4) Quantitation Limit 1,900 mg/kg
5) Quantitation Limit 0.93 mg/kg
6) Quantitation Limit 19 mg/kg
7) Quantitation Limit 98 mg/kg
8) Quantitation Limit 0.98 mg/kg
9) Quantitation Limit 120 mg/kg
10) Quantitation Limit 1.2 mg/kg
11) The chromatographic pattern is not indicative of diesel fuel
12) Quantitation Limit 4.8 mg/kg
13) Quantitation Limit 0.019 mg/kg

# TABLE 1
# ANALYTICAL LABORATORY RESULTS FOR SOIL SAMPLES
## Chevron Service Station No. 21-2242
## 4972 Warner Avenue, Huntington Beach, California

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | 6010B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHg (mg/kg) | TPHd (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | PCE (µg/kg) | Lead (mg/kg) |
| MW-2 | 6.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.13** |
| MW-2 | 11.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.80** |
| MW-2 | 16.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.67** |
| MW-2 | 26.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.26** |
| MW-2 | 31.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.35** |
| MW-2 | 36.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.06** |
| MW-2 | 39.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **11.1** |
| MW-2 | 46.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.91** |
| MW-2 | 51.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.03** |
| MW-3 | 6.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **13.1** |
| MW-3 | 11.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.97** |
| MW-3 | 16.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.27** |
| MW-3 | 21.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.09** |
| MW-3 | 31.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.50** |
| MW-3 | 36.5 | 11/12/02 | **1,170** | **86** | **2,700** | **66,200** | **31,500** | **200,000** | ND<8 | ND<18 | ND<11 | ND<14 | ND<500 | ND<35 | **3.49** |

# TABLE 1
# ANALYTICAL LABORATORY RESULTS FOR SOIL SAMPLES
## Chevron Service Station No. 21-2242
## 4972 Warner Avenue, Huntington Beach, California

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | 6010B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHg (mg/kg) | TPHd (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | PCE (µg/kg) | Lead (mg/kg) |
| MW-3 | 41.5 | 11/12/02 | ND<0.5 | ND<1.5 | **8.2** | **5.0** | **24** | **12** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.62** |
| MW-3 | 46.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | **8.1** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.48** |
| MW-3 | 51.5 | 11/12/02 | **7.5** | ND<1.5 | **6.4** | **5.6** | **35** | **31** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.01** |
| MW-4 | 6.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.27** |
| MW-4 | 11.5 | 11/13/02 | ND<0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.20** |
| MW-4 | 16.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.26** |
| MW-4 | 21.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.91** |
| MW-4 | 26.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.39** |
| MW-4 | 31.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.04** |
| MW-4 | 36.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.05** |
| MW-4 | 39.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **13.50** |
| MW-4 | 46.5 | 11/13/02 | ND< 0.5 | ND<1.5 | **12** | ND<0.16 | **14** | **5** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **11.20** |
| MW-4 | 51.5 | 11/13/02 | **33** | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | **645** | ND<8 | ND<18 | ND<11 | ND <14 | ND <500 | ND<35 | **2.68** |
| MW-4 | 56.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.50** |
| B-10 | 6.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **10.1** |
| B-10 | 11.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.92** |

# TABLE 1
# ANALYTICAL LABORATORY RESULTS FOR SOIL SAMPLES
## Chevron Service Station No. 21-2242
## 4972 Warner Avenue, Huntington Beach, California

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | 6010B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHg (mg/kg) | TPHd (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | PCE (µg/kg) | Lead (mg/kg) |
| B-10 | 16.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.93** |
| B-10 | 21.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **8.85** |
| B-10 | 26.5 | 11/12/02 | ND<0.5 | ND<1.5 | **10** | **158** | **33** | **218** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.18** |
| B-10 | 31.5 | 11/12/02 | **7.1** | ND<1.5 | ND<12 | **2,560** | **834** | **6,070** | ND<8 | ND<18 | ND<11 | ND<14 | ND<500 | ND<35 | **10.7** |
| B-10 | 36.5 | 11/12/02 | **319** | **66** | **925** | **8,280** | **2,720** | **15,400** | ND<8 | ND<18 | ND<11 | ND<14 | ND<500 | ND<35 | **7.58** |
| B-10 | 41.5 | 11/12/02 | ND<0.5 | ND<1.5 | **8.1** | ND<0.16 | **17** | **8.8** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.77** |
| B-10 | 46.5 | 11/12/02 | ND<0.5 | ND<1.5 | ND<0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.52** |
| B-10 | 51.5 | 11/12/02 | ND<0.5 | ND<1.5 | **25** | ND<0.16 | **68** | **70** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.66** |
| B-11 | 2.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.36** |
| B-11 | 5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.98** |
| B-11 | 11.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.80** |
| B-11 | 16.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.69** |
| B-11 | 21.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.12** |
| B-11 | 26.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.22** |
| B-11 | 31.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.59** |

# TABLE 1
# ANALYTICAL LABORATORY RESULTS FOR SOIL SAMPLES
## Chevron Service Station No. 21-2242
## 4972 Warner Avenue, Huntington Beach, California

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | 6010B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHg (mg/kg) | TPHd (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | PCE (µg/kg) | Lead (mg/kg) |
| B-11 | 36.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | **11** | **24** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **3.79** |
| B-11 | 41.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **13.50** |
| B-11 | 46.5 | 11/13/02 | **10** | ND<1.5 | ND< 0.12 | ND<0.16 | **47** | **88** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.82** |
| B-12 | 5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.56** |
| B-12 | 11.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.99** |
| B-12 | 16.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **2.06** |
| B-12 | 21.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.59** |
| B-12 | 26.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.59** |
| B-12 | 31.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.82** |
| B-12 | 36.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.49** |
| B-12 | 41.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **13.20** |
| B-12 | 46.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **10.30** |
| B-13 | 2.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **6.87** |

# TABLE 1
# ANALYTICAL LABORATORY RESULTS FOR SOIL SAMPLES
## Chevron Service Station No. 21-2242
## 4972 Warner Avenue, Huntington Beach, California

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | 6010B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHg (mg/kg) | TPHd (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | PCE (µg/kg) | Lead (mg/kg) |
| B-13 | 5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **4.85** |
| B-13 | 11.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **5.93** |
| B-13 | 16.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.49** |
| B-13 | 21.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **1.63** |
| B-13 | 26.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.07** |
| B-13 | 31.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<16 | ND<12 | **500** | ND<8 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<35 | **2.24** |
| B-13 | 36.5 | 11/13/02 | **125** | **19** | ND< 0.12 | **1,420** | **3,490** | **13,900** | ND<8 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<35 | **2.82** |
| B-13 | 41.5 | 11/13/02 | ND< 0.5 | ND<1.5 | **8.60** | ND<0.16 | **8.80** | ND<0.8 | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **12.50** |
| B-13 | 46.5 | 11/13/02 | ND< 0.5 | ND<1.5 | ND< 0.12 | ND<0.16 | ND<0.12 | **5.90** | ND<0.08 | ND<0.18 | ND<0.11 | ND<0.14 | ND<5 | ND<0.35 | **7.90** |

Notes:

Laboratory analysis performed by Associated Laboratories, Orange, CA
MtBE - Methyl tertiary-butyl ether
DIPE - Diisopropyl ether
ETBE - Ethyl tertiary-butyl ether
TAME - Tertiary-amyl methyl ether
TBA - Tertiary-butyl alcohol
PCE - Tetrachloroethene
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
µg/kg - Micrograms per kilogram
mg/kg - Milligrams per kilogram
J - Trace
ND - Not Detected

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**Table 1. Analytical Laboratory Results for Soil Samples**
**Chevron Environmental Management Company**
**ChevronTexaco Heritage Site No. 21-2242**
**4972 Warner Avenue, Huntington Beach, California**

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHd (mg/kg) | TPHg (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | 1, 2-DCE (µg/kg) | TCE (µg/kg) | cis-1,2-DCE (µg/kg) | trans-1,2-DCE (µg/kg) | PCE (µg/kg) |
| MW-5 | 2 | 07/30/03 | **25.0** | **1.8** | ND<5.0 | ND<5.0 | **9.4** | **100.0** | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 5 | 07/30/03 | **4.9J** | ND<0.25 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 10 | 07/30/03 | **4.2J** | ND<0.25 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 15 | 07/30/03 | **4.8J** | ND<0.25 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 20 | 07/30/03 | **2.3J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 25 | 07/30/03 | **4J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 30 | 07/30/03 | **3.3J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | **2.0** |
| MW-5 | 35 | 07/30/03 | **2.5J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 40 | 07/30/03 | **2.9J** | **0.52** | **58.0** | ND<2.0 | **4.9J** | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **5.8** | **0.5J** | **0.38J** | ND<0.41 | ND<0.49 |
| MW-5 | 45 | 07/30/03 | **2J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **7.7** | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-5 | 50 | 07/30/03 | **2.8J** | **0.59** | **20.0** | ND<2.0 | **37.0** | **64.0** | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **1.9** | ND<0.34 | **7.6** | **1.1** | ND<0.49 |
| MW-5 | 55 | 07/30/03 | **4.9J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | **0.58J** | ND<0.41 | ND<0.49 |
| MW-6 | 5 | 07/29/03 | **24.0** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 10 | 07/29/03 | **2.8J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 15 | 07/29/03 | **2.3J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 20 | 07/29/03 | **5.7** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 25 | 07/29/03 | **4.8J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 30 | 07/29/03 | **2.2J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 35 | 07/29/03 | **2.5J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 40 | 07/29/03 | **8.7** | **1.0** | **49.0** | ND<2.0 | **180.0** | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **12.0** | **2.6** | ND<0.35 | ND<0.41 | **3.2** |
| MW-6 | 45 | 07/29/03 | **4.5J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **2.5** | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| MW-6 | 50 | 07/29/03 | **4.5J** | **0.53** | **4J** | ND<2.0 | **3.2J** | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | **0.8J** | ND<0.41 | ND<0.49 |
| MW-6 | 55 | 07/29/03 | **3.7J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 5 | 07/29/03 | **3.8J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 10 | 07/29/03 | **3.8J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 15 | 07/29/03 | **4.6J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 20 | 07/29/03 | **3.8J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 25 | 07/29/03 | **3.7J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 30 | 07/29/03 | **4.4J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |

**Table 1. Analytical Laboratory Results for Soil Samples**
**Chevron Environmental Management Company**
**ChevronTexaco Heritage Site No. 21-2242**
**4972 Warner Avenue, Huntington Beach, California**

| Sample ID | Depth | Date Sampled | EPA Method 8015 | | EPA Method 8260B | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TPHd (mg/kg) | TPHg (mg/kg) | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl benzene (µg/kg) | Total Xylenes (µg/kg) | MtBE (µg/kg) | DIPE (µg/kg) | ETBE (µg/kg) | TAME (µg/kg) | TBA (µg/kg) | 1, 2-DCE (µg/kg) | TCE (µg/kg) | cis-1,2-DCE (µg/kg) | trans-1,2-DCE (µg/kg) | PCE (µg/kg) |
| B-14 | 35 | 07/29/03 | **6.2** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 40 | 07/29/03 | **7.1** | **6.6** | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **2.8** | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 45 | 07/29/03 | **4.1J** | **0.42J** | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **1.0** | ND<0.34 | **0.5J** | ND<0.41 | ND<0.49 |
| B-14 | 50 | 07/29/03 | **6.7** | **2.2** | ND<2.0 | ND<2.0 | **10.0** | **14.0** | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | **0.7J** | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |
| B-14 | 55 | 07/29/03 | **3.3J** | ND<0.25 | ND<2.0 | ND<2.0 | ND<2.0 | ND<2.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<20 | ND<0.58 | ND<0.34 | ND<0.35 | ND<0.41 | ND<0.49 |

Notes: Laboratory analysis performed by Del Mar Analytical Laboratories, Irvine, CA
MtBE - Methyl tertiary-butyl ether
DIPE - Diisopropyl ether
ETBE - Ethyl tertiary-butyl ether
TAME - Tertiary-amyl methyl ether
TBA - Tertiary-butyl alcohol
PCE - Tetrachloroethene
1,2-DCE - 1,2-Dichloroethane
TCE - Trichloroethene
cis1,2-DCE - cis1,2-Dichloroethane
trans-1,2-DCE - trans-1,2-Dichloroethane
EPA Method 8260B - 25 other Volatile Organic Compounds all Not Detected
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
µg/kg - Micrograms per kilogram
mg/kg - Milligrams per kilogram
J - Estimated value below reporting limt
ND - Not Detected

# APPENDIX E

# PRELIMINARY HYDROLOGY STUDY
# (September 2022)

# Preliminary Hydrology Study

## Huntington Beach Senior Living

**PA 2021-0185, CUP 2021-024, VAR 2021-003, GPA 2021-004, ZMA 2021-003, EA 2021-004**

## Huntington Beach, California

**September 9, 2022**

**PW XX-XXX / XX-XXX**

ATTESTATION

This Hydrology Study has been prepared by, and under the direction of, the undersigned, a duly Registered Civil Engineer in the State of California. Except as noted, the undersigned attests to the technical information contained herein, and has judged to be acceptable the qualifications of any technical specialists providing engineering data for this report, upon which findings, conclusions, and recommendations are based.

James H. Kawamura, P.E.
Registered Civil Engineer No. C30560
Exp. 3/31/24

REGISTERED PROFESSIONAL ENGINEER
JAMES H. KAWAMURA
No. C30560
Expiration: 03/31/24
CIVIL
STATE OF CALIFORNIA

*Prepared for:*

Hines

*Prepared by:*

KHR ASSOCIATES
Consulting Engineers - Surveyors - Planners

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## APPENDIX

Appendix 1 Nomographs

Appendix 2 Existing Hydrology Map

Appendix 3 Existing Conditions Peak Flow Hydraulic Analysis – 25 & 100 year storm

Appendix 4 Preliminary Proposed Hydrology Map

Appendix 5 Proposed Conditions Peak Flow Hydraulic Analysis – 25 & 100 year storm

# Section 1 Purpose and Scope

This hydrology study presents an analysis of the hydrology associated with the proposed senior living development located southwest of the intersection of Warner Avenue and Bolsa Chica Street, in the City of Huntington Beach. The study details the general project characteristics, the design, criteria and methodology applied to the analysis of the area in terms of drainage and associated conveyance facilities.

The plans and specifications in the hydrology study are not for construction purposes; the contractor shall refer to final approved construction documents for plans and specifications.

# Section 2 Project Information

## *2.1 Project Description*

The proposed project, "*Huntington Beach Senior Living*" entails the demolition of an existing parking lot and existing buildings. The project totals 2.81 acres and includes a 5-story, 236 unit senior living development with 1-level of subterranean parking.

### *2.1.1 Project Location*

Figure 1 below illustrates the aerial perspective of the project site and immediate surroundings and Figure 2 provides the conceptual site plan.

**Figure 1 – Aerial Perspective of Project Site**

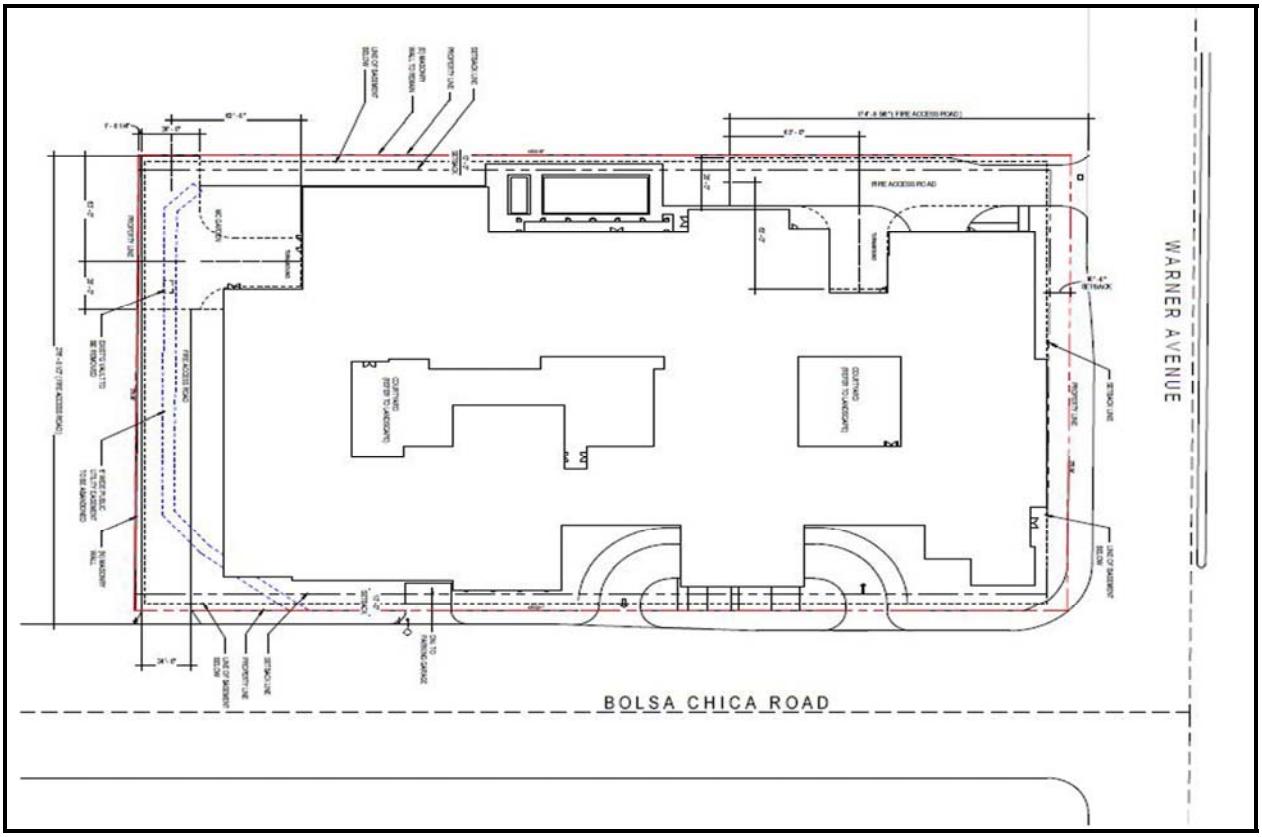



**Figure 2 – Project Site**

## *2.2 Hydrologic Setting*

This section summarizes the project's size and location in the context of the larger watershed perspective, topography, soil and vegetation conditions, percent impervious area, natural and infrastructure drainage features, and other relevant hydrologic and environmental factors to be protected specific to the project area's watershed.

### *2.2.1 Watershed*

Stormwater discharged from the site will be directed to a Municipal Separate Storm Sewer System (MS4) that discharges into the westerly flowing Sunset Channel. The Sunset Channel flows into Huntington Harbor and Anaheim Bay.

### *2.2.2 Existing Topography, Drainage Patterns, and Facilities (Narrative)*

Warner Avenue slopes from west to east and Bolsa Chica Street slopes from south to north. Runoff on the property that flows easterly ultimately gets collected by an existing ribbon gutter and by one of the existing catch basins located on Bolsa Chica Street near the corner of Warner Avenue. The runoff will be collected by an existing 48" storm drain system located on Bolsa Chica Street flowing north, which increases in size to a 60-inch and then a 72-inch concrete pipe.

### *2.2.3 Adjacent Land Use*

The project site is bounded by Warner Avenue to the north, Bolsa Chica Street to the east, and existing residential structures to the west and south.

### *2.2.4 Soil Conditions*

According to the geotechnical report dated July 26, 2021 by Langan, Irvine, California (Attachment G), the site is underlain by fill underlain by alluvial deposits. The alluvial deposits were encountered in borings LB-1 through LB-3 and consisted of medium dense to dense fine sands with varying amounts of silts and clays extending to about 23 to 25 feet below grade. In LB-1 and LB-3, these soils were underlain by firm to very stiff clay with trace amounts of fine sands extending to approximately 35 feet below grade, underlain by medium dense to dense fine sand with some clay. In LB-2, medium dense sand layers with varying levels of silt and clay were encountered closer to the surface in the 30 feet and 35 feet samples, underlain by a stiff clay layer with some fine sand.

### *2.2.5 Downstream Conditions*

This section summarizes the existing downstream conditions and any conditions of concern with respect to erosion and/or sedimentation due to the proposed project.

The City-owned catch basin on northeast corner of site (southwest corner of Warner Avenue and Bolsa Chica Street) connects to a northerly flowing 48-inch reinforced concrete pipe (RCP) storm drain in Bolsa Chica Street, which increases in size to a 60-inch concrete pipe and then a to 72-inch concrete pipe prior to discharging into the Sunset Channel. The Sunset Channel terminates in Huntington Harbour.

### *2.2.6 Impervious Cover*

The proposed project will have a net increase in total impervious area compared to the existing condition of the site. Currently, the project site is being occupied by multiple existing buildings and a parking lot with a total imperviousness percentage of 92% and perviousness of 8%. The proposed project decreases the site's overall total imperviousness percentage to 85% and increases perviousness to 15%.

## *2.3 Proposed Runoff Management Facilities*

The proposed facilities managing runoff from the area include:

- ❑ A proposed site will be collected by inlets, trench drain and multiple roof drains and will flow towards either a biofiltration planter or modular wetlands or a combination of both for treatment before connecting into an existing catch basin.

# Section 3 Design Criteria and Methodology

This section summarizes the design criteria and methodology applied during the drainage analysis of the project site. The design criteria and methodology follows the Orange County Drainage Area Management Plan (DAMP 2003) and the Orange County Hydrology Manual (October 1986).

## *3.1 Design Criteria*

### *3.1.1 Drainage Design Criteria*

Local storm drain facilities have been designed to conform to standards found in the County of Los Angeles Drainage Design Manual.

## *3.2 Methodology*

### *3.2.1 Rational Method*

Runoff calculations for this study were accomplished using the Orange County Hydrology Rational Method. The Rational Method is a physically-based numerical method where runoff is assumed to be directly proportional to rainfall and area, less losses for infiltration and depression storage. Flows were computed based on the rational formula:

**Q = 0.9 ( I – Fm ) A**

Where:

Q = peak discharge (cfs, cubic feet per second)

C = runoff coefficient, based on land use and soil type

I = rainfall intensity (inches/hour)

A = watershed area (acres)

Fm = rate of runoff (inches/hour)

The watershed time of concentration at any given point is defined as the time it would theoretically take runoff to travel from the most upstream point in the watershed to a concentration point, as estimated by the Time of Concentration Nomograph for Initial Subarea (Figure D-4 within the Orange County Hydrology Manual and the appendix section of this report).

Intensity for this site was determined by the intensity-duration curves from the Orange County Hydrology Manuals Figure's B-3 and B-4. The runoff coefficient represents the ratio of rainfall that runs off the watershed versus the portion that infiltrates to the soil or is held in depression

storage. The runoff coefficient (C) is dependent on rainfall intensity (I), soil infiltration rate (Fp), and impervious/pervious area fractions ($a_i$ and $a_p$).

Rational Method calculations were accomplished using hand calculations. Peak discharges were computed for both 25-year and 100-year hypothetical storm return frequencies and can be seen in the hydrology and drainage analysis section of this report. The output results of the calculations can be found in the Appendix section of this report.

# Section 4 Hydrology and Drainage Analysis

This section summarizes the quantitative hydrologic analysis of the existing and proposed conditions of the site.

## *4.1 Summary of Drainage Delineation*

To analyze the existing conditions, the site was broken into three subareas: A, B, and C (see Appendix for the Existing Hydrology Map). Runoff from subarea A sheet flows down along the existing gutter, curb, and gets collected by an existing open curb catch basin located on Bolsa Chica Street and into the public storm drain system. Subarea B flows northerly and then easterly within an existing ribbon gutter that discharges to Warner Avenue. Subarea C, sheet flows to the curb face within into Warner Avenue and Bolsa Chica Street. Warner Avenue drains easterly where it is collected by an existing catch basin. Once it is reached to the catch basin it is then routed to the city's existing 48" RCP storm drain and flows northerly along Bolsa Chica Avenue.

To analyze the proposed conditions, the site is broken into one subarea: A (see Appendix for the Proposed Hydrology Map). The runoff will be collected by inlets, trench drain and multiple roof drains before flowing to either a biofiltration planter or a modular wetland for treatment. Once treated, the runoff will flow towards an existing catch basin located on Warner Avenue where it will be collected into an existing 48" storm drain system.

## *4.2 Summary of Results*

The existing and proposed conditions hydrology results for the 25-year and 100-year are summarized in **Table 1 and Table 2.**

**Table 1: Existing Conditions Hydrology**

| Subarea | Area (acres) | $Q_{25}$ (cfs) | $Q_{100}$ (cfs) |
|---|---|---|---|
| **A** | 1.56 | 5.17 | 6.62 |
| **B** | 0.72 | 2.22 | 2.84 |
| **C** | 0.52 | 2.13 | 2.73 |
| | *2.81* | *9.52* | *12.19* |

**Table 2: Proposed Conditions Hydrology**

| Proposed Hydrology | | | |
|---|---|---|---|
| **Subarea** | **Area (acres)** | **$Q_{25}$ (cfs)** | **$Q_{100}$ (cfs)** |
| **A** | 2.81 | 9.26 | 11.87 |

### *4.3 Conclusion*

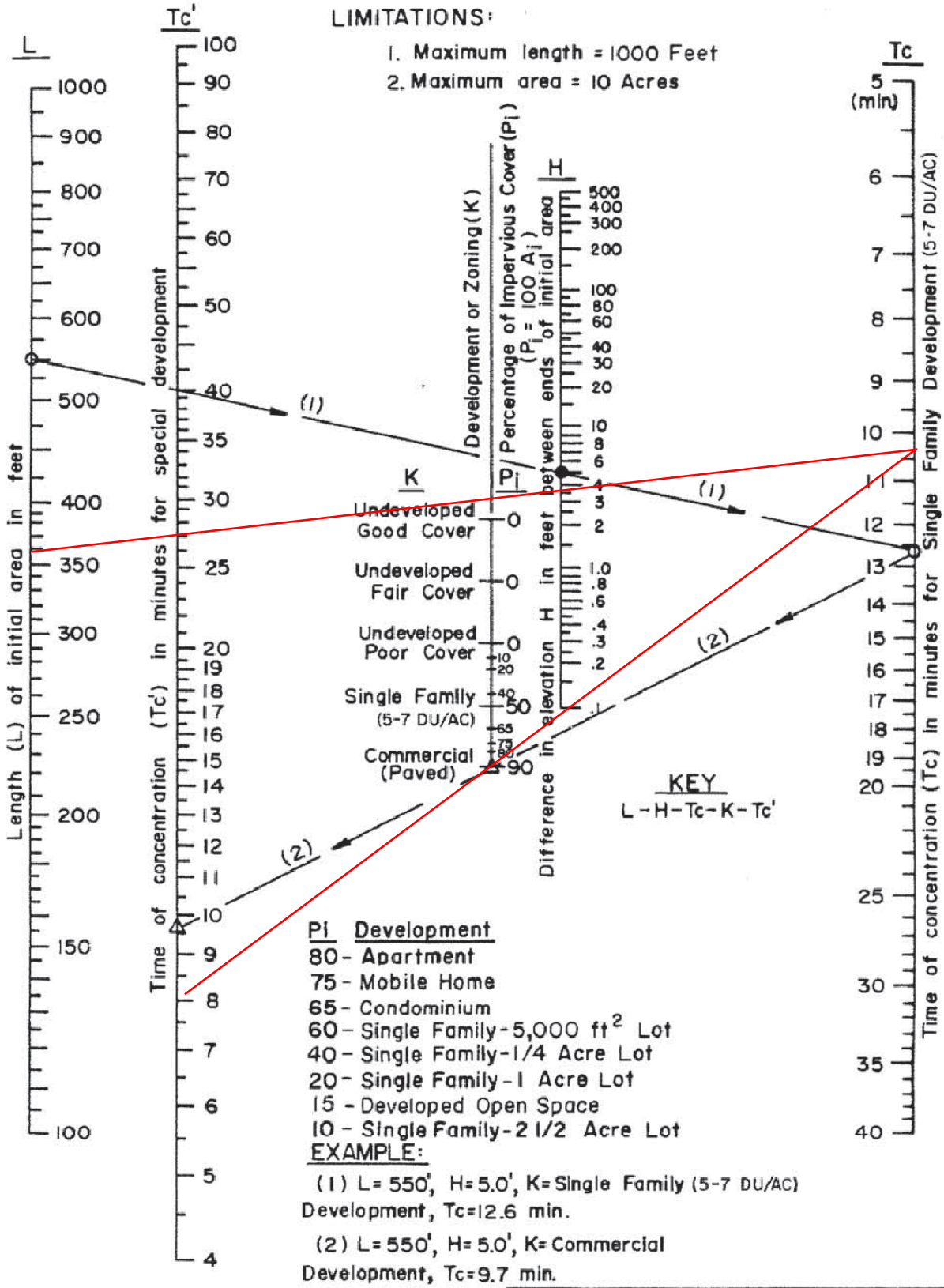
As shown in the Summary of Results, the proposed condition has a lower on-site flow rate of 9.26 cfs compared to the existing condition onsite flow rate of 9.52 cfs due to the increase in pervious areas. This will improve the existing storm drain system as it flows downstream along Bolsa Chica Street.

# APPENDIX

# Appendix 1

## Nomographs

# EXISTING CONDITIONS – AREA A



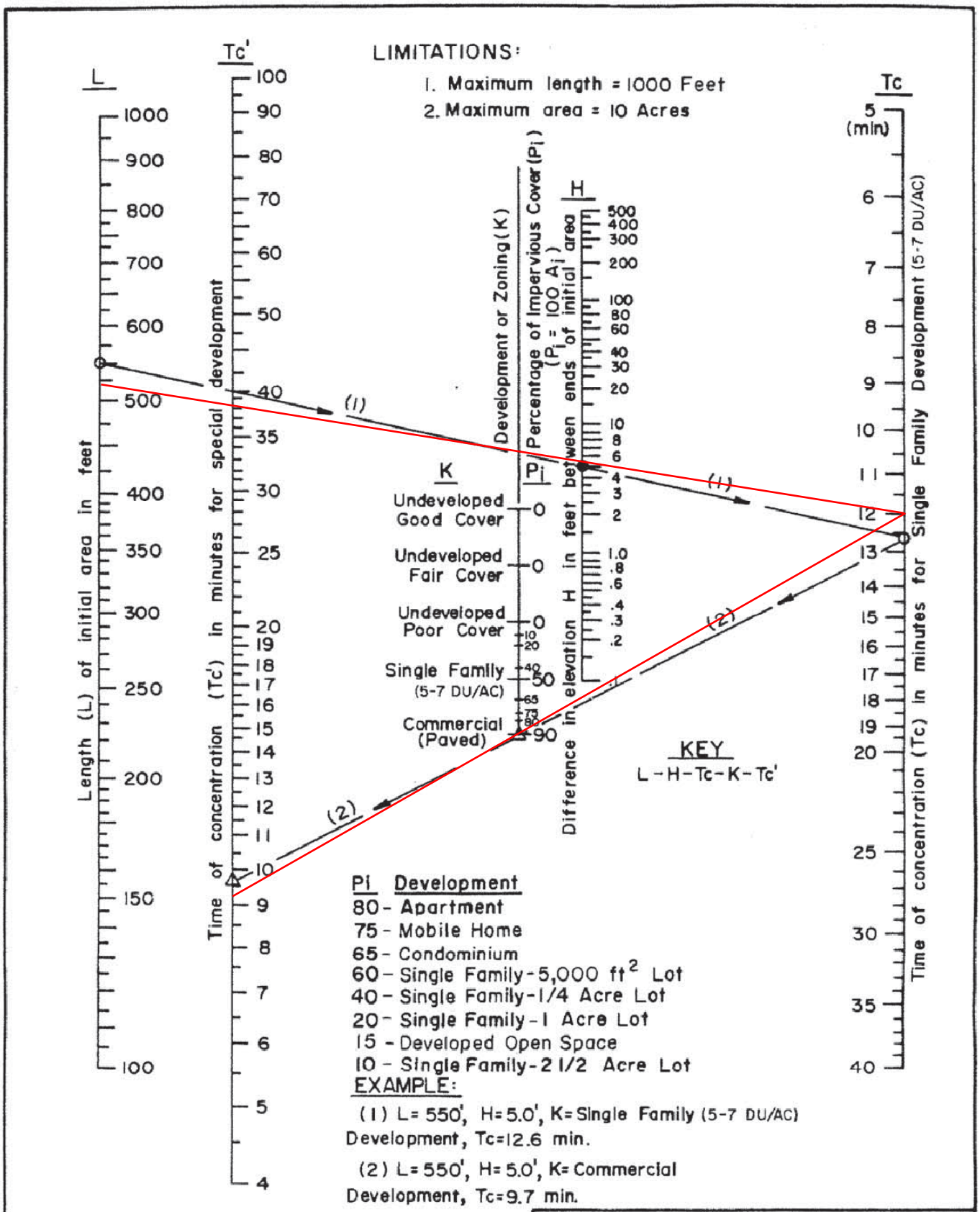

**ORANGE COUNTY**

HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

# EXISTING CONDITIONS – AREA B



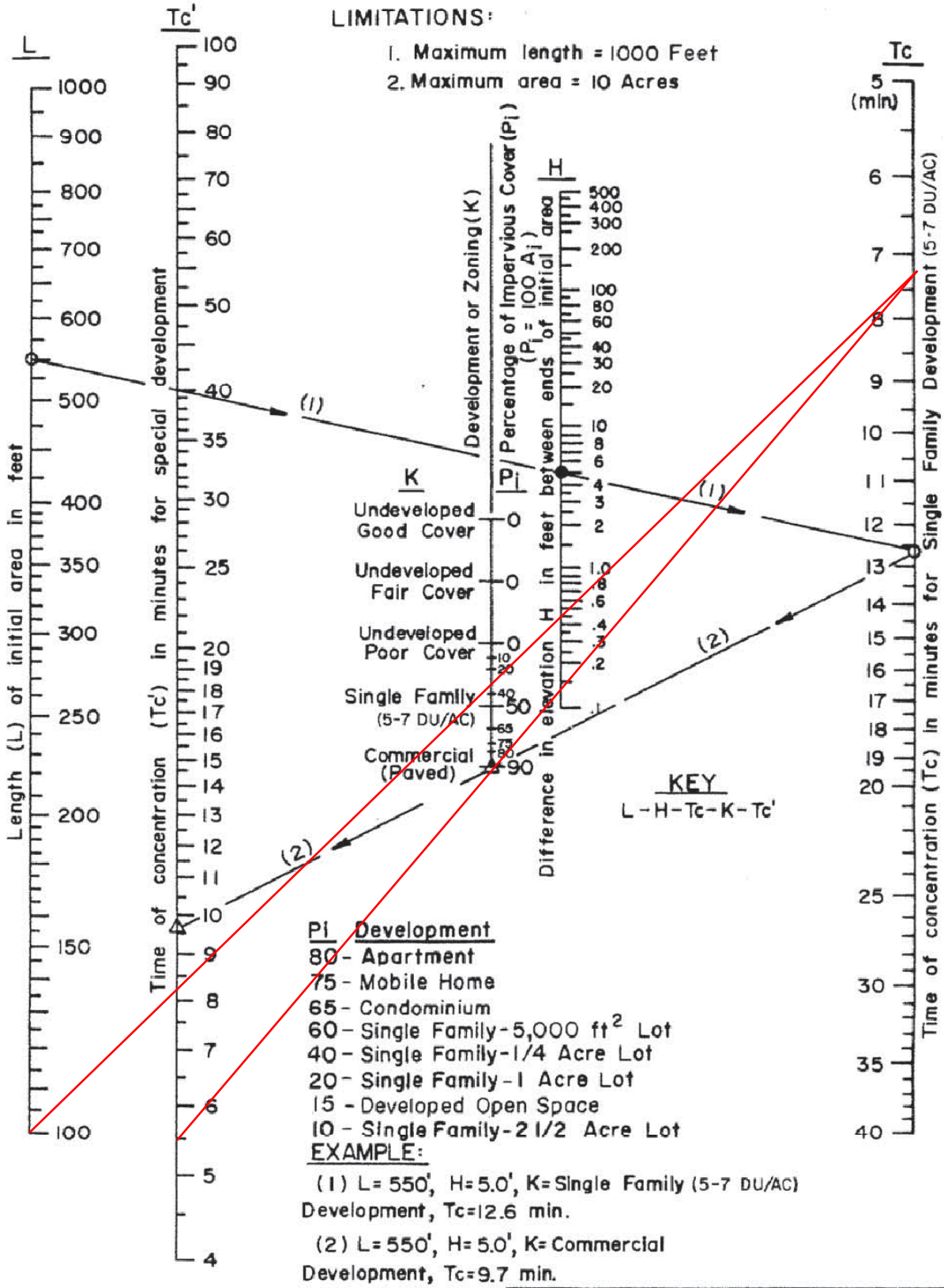

**ORANGE COUNTY**

HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

# EXISTING CONDITIONS – AREA C




**ORANGE COUNTY**

HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

# PROPOSED CONDITIONS - AREA A

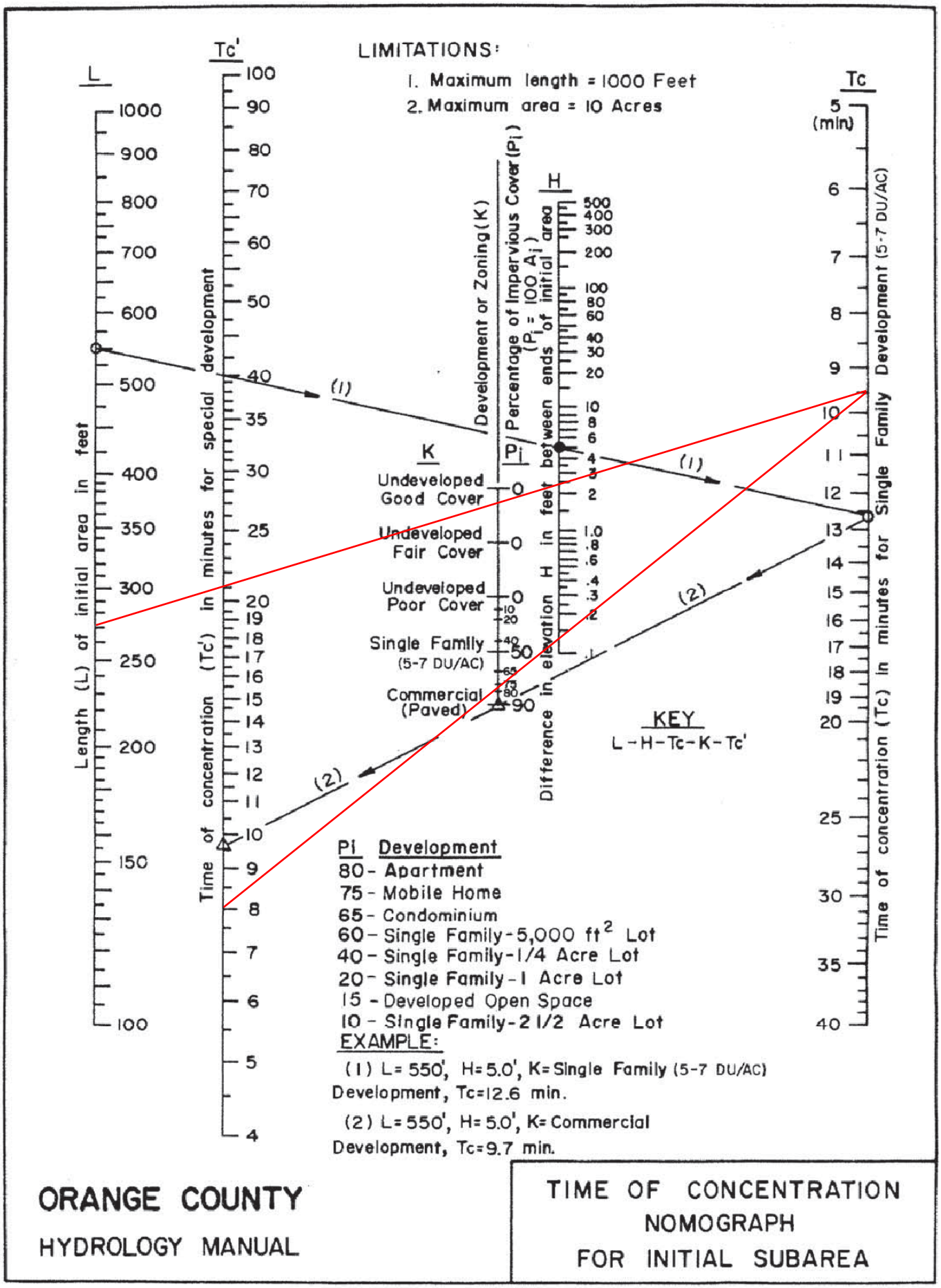
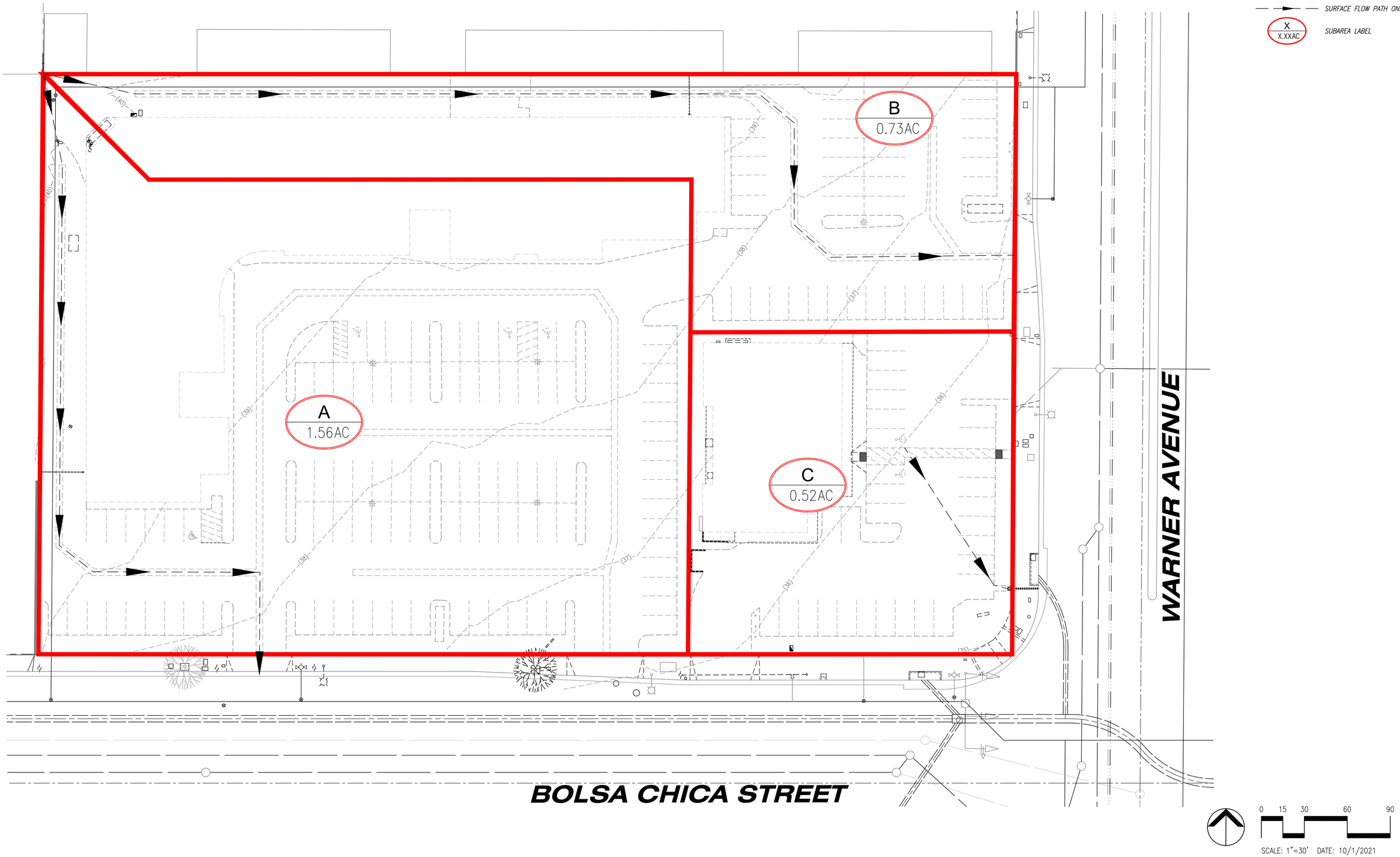



Figure D-1

# Appendix 2

## Existing Hydrology Map




# HUNTINGTON BEACH SENIOR LIVING

## HINES

## EXISTING HYDROLOGY MAP

## HUNTINGTON BEACH, CALIFORNIA

KHR ASSOCIATES
CONSULTING ENGINEERS/SURVEYORS/PLANNERS
17530 Von Karman Ave. - Suite 200 Tel (949) 756-6440
Irvine, California 92614

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# Appendix 3

## Existing Conditions Peak Flow Hydraulic Analysis

## 25 & 100 year storm

**Q25 Rational Method Hydrology Calculations for Existing Improvements**
**Project: Huntington Beach Senior Living**

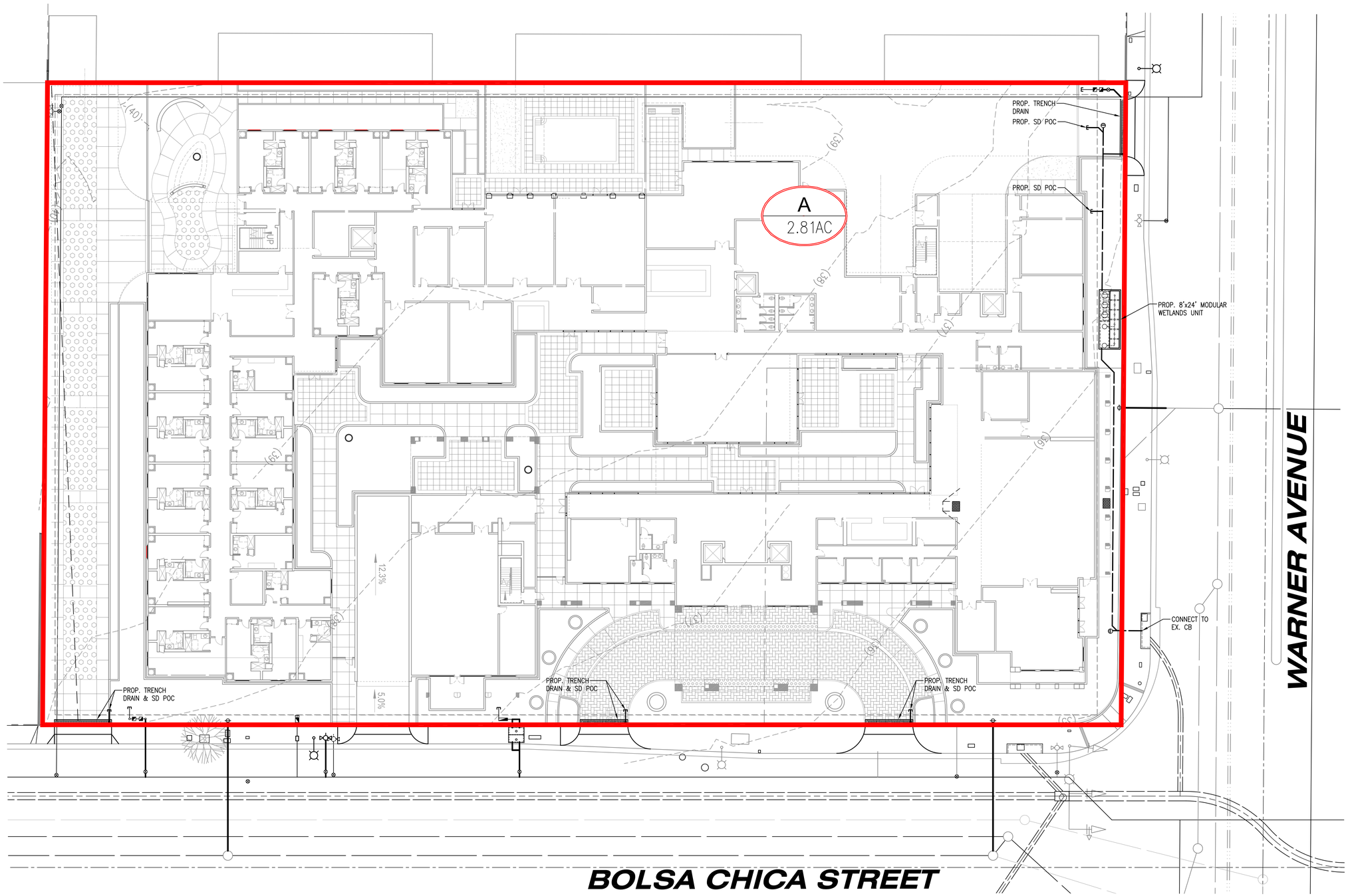
| Area | A | A | ΣA | Soil | Dev | $K_i$ | $T_c$ | $I_{25}$ | $F_m$ | $F_p$ | $F_m$ | $a_i$ | $a_p$ | $Q_{25}$ | $S_0$ | L | d | n | $K_{pipe}$ | D/d | D | V | $T_t$ | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **No.** | (sqft) | (ac) | (ac) | type | **type** | | (min) | (in/hr) | (in/hr) | avg | avg | | | (cfs) | | **(ft)** | **(in)** | | | | **(ft)** | **(fps)** | **(min)** | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 68016 | 1.56 | 1.56 | **D** | Commercial | 0.298 | 8.0 | 3.7 | 0.02 | 0.20 | 0.02 | 0.92 | 0.08 | 5.17 | 1.00% | 356.00 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 31693 | 0.73 | 0.73 | **D** | Commercial | 0.298 | 9.3 | 3.4 | 0.02 | 0.20 | 0.02 | 0.92 | 0.08 | 2.22 | 1.00% | 510.60 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 22618 | 0.52 | 0.52 | **D** | Commercial | 0.298 | 5.5 | 4.6 | 0.02 | 0.20 | 0.02 | 0.89 | 0.11 | 2.13 | 0.60% | 82.70 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 9.518 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

**$Q_{100}$ Rational Method Hydrology Calculations for Existing Improvements**
**Project: Huntington Beach Senior Living**

| Area | A | A | ΣA | Soil | Dev | $K_i$ | $T_c$ | $I_{100}$ | $F_m$ | $F_p$ | $F_m$ | $a_i$ | $a_p$ | $Q_{100}$ | $S_0$ | L | d | n | $K_{pipe}$ | D/d | D | V | $T_t$ | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **No.** | (sqft) | (ac) | (ac) | type | **type** | | (min) | (in/hr) | (in/hr) | avg | avg | | | (cfs) | | **(ft)** | **(in)** | | | | **(ft)** | **(fps)** | **(min)** | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 68016 | 1.56 | 1.56 | **D** | Commercial | 0.298 | 8.0 | 4.7 | 0.02 | 0.20 | 0.02 | 0.92 | 0.08 | 6.62 | 1.00% | 356.00 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 31693 | 0.73 | 0.73 | **D** | Commercial | 0.298 | 9.3 | 4.3 | 0.02 | 0.20 | 0.02 | 0.92 | 0.08 | 2.84 | 1.00% | 510.60 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 22618 | 0.52 | 0.52 | **D** | Commercial | 0.298 | 5.5 | 5.9 | 0.02 | 0.20 | 0.02 | 0.89 | 0.11 | 2.73 | 0.60% | 82.70 | | | | | | | | Surface Flow |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 12.185 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

# Appendix 4

## Preliminary Proposed Hydrology Map




## LEGEND

- SUBAREA BOUNDARY
- SURFACE FLOW PATH ONSITE
- X / X.XXAC — SUBAREA LABEL

0 10 20 40 60

SCALE: 1"=20' DATE: 10/1/2021

# HUNTINGTON BEACH SENIOR LIVING

## HINES

## PRELIMINARY PROPOSED HYDROLOGY MAP

## HUNTINGTON BEACH, CALIFORNIA

KHR ASSOCIATES
CONSULTING ENGINEERS/SURVEYORS/PLANNERS
17530 Von Karman Ave. - Suite 200 Tel (949) 756-6440
Irvine, California 92614

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# Appendix 5

## Proposed Conditions Peak Flow Hydraulic Analysis

## 25 & 100 year storm

**Q 25 Rational Method Hydrology Calculations for Proposed Development**
**Project: The Herald in Placentia, CA**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | Pipe | Full Pipe | | % | % |
| **Area** | **A** | **A** | **ΣA** | **Soil** | **Dev** | **$K_i$** | **$T_c$** | **$I_{10}$** | **$F_m$** | **$F_p$** | **$F_m$** | **$a_i$** | **$a_p$** | **$Q_{25}$** | **$S_0$** | **L** | **d** | **n** | **$K_{pipe}$** | **D/d** | **D** | **V** | **$T_t$** | **Description** | **Area** | **$Q_{Full}$** | **$V_{Full}$** | **Q** | **V** |
| **No.** | (sqft) | (ac) | (ac) | type | **type** | | (min) | (in/hr) | (in/hr) | avg | avg | | | (cfs) | | **(ft)** | **(in)** | | | | **(ft)** | **(fps)** | **(min)** | | (sf) | (cfs) | (fps) | | |
| **SYSTEM A** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **A1** | 122327.0 | 2.808 | 2.81 | D | Apartments | 0.325 | 8.0 | 3.7 | 0.03 | 0.20 | 0.03 | 0.85 | 0.15 | 9.26808 | 1.00% | 270 | | | | | | | | AREA DRAIN | | | | | |
| | | | | | | | 8.0 | 3.7 | | | | | | 9.2681 | 1.00% | 5 | 15 | 0.009 | 93.3 | 97% | 1.21 | 8.7 | 0.0 | Pipe | 1.2 | 9.3 | 7.6 | 99% | 114% |
| | | | 2.81 | | | | 8.0 | 3.7 | 0.03 | 0.20 | 0.01 | 0.85 | 0.15 | 9.2623 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Q 100 Rational Method Hydrology Calculations for Proposed Development**
**Project: The Herald at Placentia, CA**

| | | | | | | | | | | | | | | | | | | | | | | | | | Pipe | Full Pipe | | % | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Area** | **A** | **A** | **ΣA** | **Soil** | **Dev** | $K_i$ | $T_c$ | $I_{10}$ | $F_m$ | $F_p$ | $F_m$ | $a_i$ | $a_p$ | $Q_{100}$ | $S_0$ | **L** | **d** | **n** | $K_{pipe}$ | **D/d** | **D** | **V** | $T_t$ | **Description** | **Area** | $Q_{Full}$ | $V_{Full}$ | **Q** | **V** |
| **No.** | (sqft) | (ac) | (ac) | type | **type** | | (min) | (in/hr) | (in/hr) | avg | avg | | | (cfs) | | **(ft)** | **(in)** | | | | **(ft)** | **(fps)** | **(min)** | | (sf) | (cfs) | (fps) | | |
| **SYSTEM A** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **A** | 122392.0 | 2.810 | 2.81 | D | Apartments | 0.325 | 8.0 | 4.7 | 0.03 | 0.20 | 0.03 | 0.85 | 0.15 | 11.87631 | 1.00% | 270 | | | | | | | | AREA DRAIN | | | | | |
| | | | | | | | 8.5 | 4.6 | | | | | | 11.8763 | 1.00% | 270 | 24 | 0.009 | 326.8 | 39% | 0.78 | 9.6 | 0.5 | Pipe | 3.1 | 32.7 | 10.4 | 36% | 92% |
| | | | 2.81 | | | | 8.5 | 4.6 | 0.03 | 0.20 | 0.01 | 0.85 | 0.15 | 11.8763 | | | | | | | | | | | | | | | |

# APPENDIX F

# PRELIMINARY WATER QUALITY MANAGEMENT PLAN
# (Preliminary WQMP)

# (Revised April 2022)

# Preliminary
# Water Quality Management Plan (WQMP)

**Project Name:**

# Huntington Beach Senior Living
## Bolsa Chica Street/Warner Avenue S/W Quad
## Huntington Beach, California 92649

**PA 2021-0185, CUP 2021-024, VAR 2021-003, GPA 2021-004, ZMA 2021-003, EA 2021-004**

**Prepared For:**

Hines

**444 South Flower Street - Suite 2100**
**Los Angeles, CA 90071**
**(415) 250-4422**

**Prepared By:**

KHR ASSOCIATES
Consulting Engineers - Surveyors - Planners

**Civil Engineer: James H. Kawamura, P.E.**
**Registration No. C30560**
**17530 Von Karman Avenue - Suite 200**
**Irvine, California 92614**
**(949) 756-6440**

**Prepared Date: October 15, 2021**
**Revised Date(s): April 5, 2022**

# ATTESTATION

This Preliminary Water Quality Management Plan has been prepared by, and under the direction of the undersigned, a duly Registered Civil Engineer in the State of California. Except as noted, the undersigned attests to the technical information contained herein, and has judged to be acceptable the qualifications of any technical specialists providing engineering data for this report, upon which findings, conclusions, and recommendations are based.

| | | | |
|---|---|---|---|
| **Preparer (Engineer):** James H. Kawamura, P.E. | | | |
| Title | President/CEO | PE Registration # | C30560 |
| Company | KHR Associates | | |
| Address | 17530 Von Karman Avenue – Suite 200, Irvine, California 92614 | | |
| Email | jkawamura@khrdesign.com | | |
| Telephone No. | (949) 756-6440 | | |
| I hereby certify that this Water Quality Management Plan is in compliance with, and meets the requirements set forth in, Order No. R8-2009-0030/NPDES No. CAS618030, of the Santa Ana Regional Water Quality Control Board. | | | |
| Preparer Signature | James H. Kawamura | Date | April 5, 2022 |
| Place Stamp Here | | | |

| Project Owner's Certification | | | |
|---|---|---|---|
| Planning/Application No. | PA 2021-0185, CUP 2021-024, VAR 2021-003, GPA 2021-004, ZMA 2021-003, EA 2021-004 | Grading Permit No. | |
| Tract/Parcel Map No. | A Portion of Lot 2 in Block 20 of Tract No. 86 | Building Permit No. | |
| CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract) | | | APN 163-281-01, 163-281-02 |

This Preliminary Water Quality Management Plan (WQMP) has been prepared for **Hines**, Los Angeles, by **KHR Associates**, Irvine, California. The Preliminary WQMP is intended to demonstrate the intention to comply with the requirements of the local NPDES Stormwater Program for the subject project.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the current Orange County Drainage Area Management Plan (DAMP) and the intent of the non-point source NPDES Permit for Waste Discharge Requirements for the County of Orange, Orange County Flood Control District and the incorporated Cities of Orange County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the WQMP. An appropriate number of approved and signed copies of this document shall be available on the subject site in perpetuity.

| **Owner: Ben Morrison** | | | |
|---|---|---|---|
| Title | Development Manager | | |
| Company | Hines | | |
| Address | 444 S. Flower Street, Suite 2100 | | |
| Email | Ben.Morrison@hines.com | | |
| Telephone No. | (415) 250-4422 | | |
| Signature | | Date | |

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## Attachments

Attachment A . ..... Educational Materials

Attachment B . ..... BMP Fact Sheets

Attachment C . ..... Notice of Transfer of Responsibility Form

Attachment D . ..... BMP Operation and Maintenance Plan

Attachment E.. ..... Project Code Requirements

Attachment F.. ..... BMP Sizing Calculations and Documentation

Attachment G . ..... Soils Report

# Section I Discretionary Permit(s) and Water Quality Conditions

| Project Infomation | | | |
|---|---|---|---|
| Planning/Application No. | PA 2021-0185, CUP 2021-024, VAR 2021-003, GPA 2021-004, ZMA 2021-003, EA 2021-004 | Tract/Parcel Map No. | A Portion of Lot 2 in Block 20 of Tract No. 86 |
| Additional Information/ Comments: | | | |

| Water Quality Conditions | |
|---|---|
| Water Quality Conditions (list verbatim) | **THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A PRECISE GRADING PERMIT:**<br><br>7. A Project Water Quality Management Plan (WQMP) conforming to the current Waste Discharge Requirements Permit for the County of Orange (Order No. R8-2009-0030) [MS4 Permit] prepared by a Licensed Civil Engineer, shall be submitted to the Department of Public Works for review and acceptance. The WQMP shall address Section XII of the MS4 Permit and all current surface water quality issues.<br><br>8. The project WQMP shall include the following:<br><br>a. Low Impact Development.<br>b. Discusses regional or watershed programs (if applicable).<br>c. Addresses Site Design BMPs (as applicable) such as minimizing impervious areas, maximizing permeability, minimizing directly connected impervious areas, creating reduced or "zero discharge" areas, and conserving natural areas.<br>d. Incorporates the applicable Routine Source Control BMPs as defined in the Drainage Area Management Plan (DAMP).<br>e. Incorporates Treatment Control BMPs as defined in the DAMP |

f. Generally describes the long-term operation and maintenance requirements for the Treatment Control BMPs.

g. Identifies the entity that will be responsible for long-term operation and maintenance of the Treatment Control BMPs.

h. Describes the mechanism for funding the long-term operation and maintenance of the Treatment Control BMPs.

i. Includes an Operations and Maintenance (O&M) Plan for all structural BMPs.

j. After incorporating plan check comments of Public Works, three final WQMPs (signed by the owner and the Registered Civil Engineer of record) shall be submitted to the Public Works for acceptance. After acceptance, two copies of the final report shall be returned to applicant for production of a single complete electronic copy of the accepted version of the WQMP on CD media that includes:

   i. The 11" by 17" Site Plan in .TIFF format (400 by 400 dpi minimum)

   ii. The remainder of the complete WQMP in .PDF format including the signed and stamped title sheet, owner's certification sheet, Inspection/Maintenance Responsibility sheet, appendices, attachments and all educational material.

k. The applicant shall return one CD media to Public Works for the project record file.

9. Indicate the type and location of Water Quality Treatment Control Best Management Practices (BMPs) on the Grading Plan consistent with the Project WQMP. The WQMP shall follow the City of Huntington Beach; Project Water Quality Management Plan Preparation Guidance Manual dated June 2008. The WQMP shall be submitted with the first submittal of the Grading Plan.

10. In complexes larger than 100 dwelling units where car washing is allowed, a designated car wash area that does not drain to a storm drain system shall be provided for community usage. Wash water from this are may be directed to the sanitary sewer (upon approval from Orange County Sanitation District), to an engineered infiltration system, or to an equally effective alternative. Pre-treatment may also be required. (DAMP)

11. A suitable location, as approved by the City, shall be depicted on the grading plan for the necessary trash enclosure(s). The area shall be paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, and screened or

| | |
|---|---|
| | walled to prevent off-site transport of trash. The trash enclosure area shall be covered or roofed with a solid, impervious material. Connection of trash area drains into the storm drain system is prohibited. If feasible, the trash enclosure area shall be connected into the sanitary sewer. (DAMP)<br><br>**THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO FINAL INSPECTION OR OCCUPANCY:**<br><br>36. Prior to grading or building permit close-out and/or the issuance of a certificate of use or a certificate of occupancy, the applicant shall:<br>a. Demonstrate that all structural Best Management Practices (BMPs) described in the Project WQMP have been constructed and installed in conformance with approved plans and specifications.<br>b. Demonstrate all drainage courses, pipes, gutters, basins, etc. are clean and properly constructed.<br>c. Demonstrate that applicant is prepared to implement all non-structural BMPs described in the Project WQMP.<br>d. Provide certification from the Engineer of Record or Landscape architect that the LID BMPs were constructed and installed per the approved project plans and specifications. The certifications shall be included in the final WQMP.<br>e. Demonstrate that an adequate number of copies of the approved Project WQMP are available for the future occupiers.<br>f. Demonstrate that the preparer of the WQMP has reviewed the BMP maintenance requirements in Section V of the WQMP with the responsible person and that a copy of the WQMP has been provided to the person. A certification letter from the WQMP preparer may be used to satisfy this condition. |
| **Watershed-Based Plan Conditions** | |
| Provide applicable conditions from watershed - based plans including WIHMPs and TMDLS. | As of this dated report, neither a WIHMP nor TMDLs have been developed for Anaheim Bay-Huntington Harbor. |

# Section II Project Description

## II.1 Project Description

| Description of Proposed Project | | |
|---|---|---|
| Development Category (Verbatim from WQMP): | All significant redevelopment projects, where significant redevelopment is defined as the addition or replacement of 5,000 or more square feet of impervious surface on an already developed site. Redevelopment does not include routine maintenance activities that are conducted to maintain original line and grade, hydraulic capacity, original purpose of the facility, or emergency redevelopment activity required to protect public health and safety.<br><br>If the redevelopment results in the addition or replacement of less than 50 percent of the impervious area on-site and the existing development was not subject to WQMP requirement, the numeric sizing criteria discussed in **Section 7.II-2.0** only applies to the addition or replacement area. If the addition or replacement accounts for 50 percent or more of the impervious area, the Project WQMP requirements apply to the entire development. | |
| Project Area Disturbed: 122,392 sf (2.81 ac) | Number of Dwelling Units: 236 | SIC Code: 8811 & 8361 |
| Narrative Project Description: | For the overall project, Hines is proposing a 5-story, 236-unit senior living development with 1-level of subterranean parking on 2.81 net acre site located on the southwest corner of Warner Avenue and Bolsa Chica Street. The project will include independent living, assisted living, memory care, common areas, pool/spa, fitness center, and roof decks. Exposed impervious areas include the building, walks, roof decks, and the drive aisle. Landscaped areas are located around the perimeter of the site and within the courtyards. Landscaping consists of drought tolerant or native species grouped with similar irrigation needs. On-site activities will take place within the common areas and open space areas, and include the use of the pool within the courtyard, and the use of the indoor dining area, lounge, fitness center, etc., on the ground floor. Food service will occur within the kitchen and dining area inside the building. A laundry facility is located within a central area on the ground floor. Trash enclosures are enclosed within the ground level of the building. Materials expected to be used/stored will be maintenance materials stored within the building. Waste expected from the site is trash from residential tenants and staff, along with landscape waste. Equipment and vehicle fueling, maintenance | |

| | | | | |
|---|---|---|---|---|
| | and repair, and washing or cleaning will not be performed onsite. | | | |
| Project Area: 122,392 sf (2.81 ac) | Pervious | | Impervious | |
| | Area (acres or sq ft) | Percentage | Area (acres or sq ft) | Percentage |
| Pre-Project Conditions | 9,690 sf | 8 | 112,702 sf | 92 |
| Post-Project Conditions | 17,796 sf | 15 | 104,596 sf | 85 |
| Drainage Patterns/Connections | Drainage from the existing project area sheet flows into ribbon gutters that drain into the adjacent streets from either the driveways, or, in one location, through an inlet that discharges to curb face. Approximately 68,016 square feet of existing area drains into Bolsa Chica Street, where it drains northerly for collection by a municipal catch basin located just prior to Warner Avenue. Approximately 31,693 square feet of existing area drains into Warner Avenue, where it drains easterly for collection by a municipal catch basin located just prior to Bolsa Chica Street, and approximately 22,618 square feet of existing area discharges to curb face on Warner Avenue, where it drains westerly to the municipal catch basin.<br><br>Both catch basins connect to a northerly flowing 48-inch reinforced concrete pipe (RCP) storm drain in Bolsa Chica Street that increases to a 60-inch concrete pipe, and further increases to a 72-inch concrete pipe prior to discharging to the Sunset Channel. The Sunset Channel discharges into Huntington Harbour and Anaheim Bay.<br><br>Drainage from the proposed project area will be collected by roof drains and inlets that will be directed to a treatment system prior to discharge into the back of a municipal catch basin. The potential treatment systems currently being considered for the proposed site include biofiltration (flow through) planters; Modular Wetlands Systems; or, a combination of biofiltration planters and Modular Wetlands Systems. Determination of the treatment options will be made once a plumbing engineer is on the design team. From the treatment system, flows will be directed via the on-site storm drain system to the back of an existing catch basin adjacent the site in Bolsa Chica Street and/or Warner Avenue. The storm drain laterals from these catch basins connect to an MS4 within Bolsa Chica Street. | | | |

## II.2 Potential Stormwater Pollutants

| Pollutants of Concern | | | |
|---|---|---|---|
| Pollutant | Highlight One: E=Expected to be of concern N=Not Expected to be of concern | | Additional Information and Comments |
| Suspended-Solid/ Sediment | E | N | Residential (Landscaping) |
| Nutrients | E | N | Residential (Landscaping) |
| Heavy Metals | E | N | |
| Pathogens (Bacteria/Virus) | E | N | Residential |
| Pesticides | E | N | Residential (Landscaping) |
| Oil and Grease | E | N | Residential |
| Toxic Organic Compounds | E | N | |
| Trash and Debris | E | N | Residential |

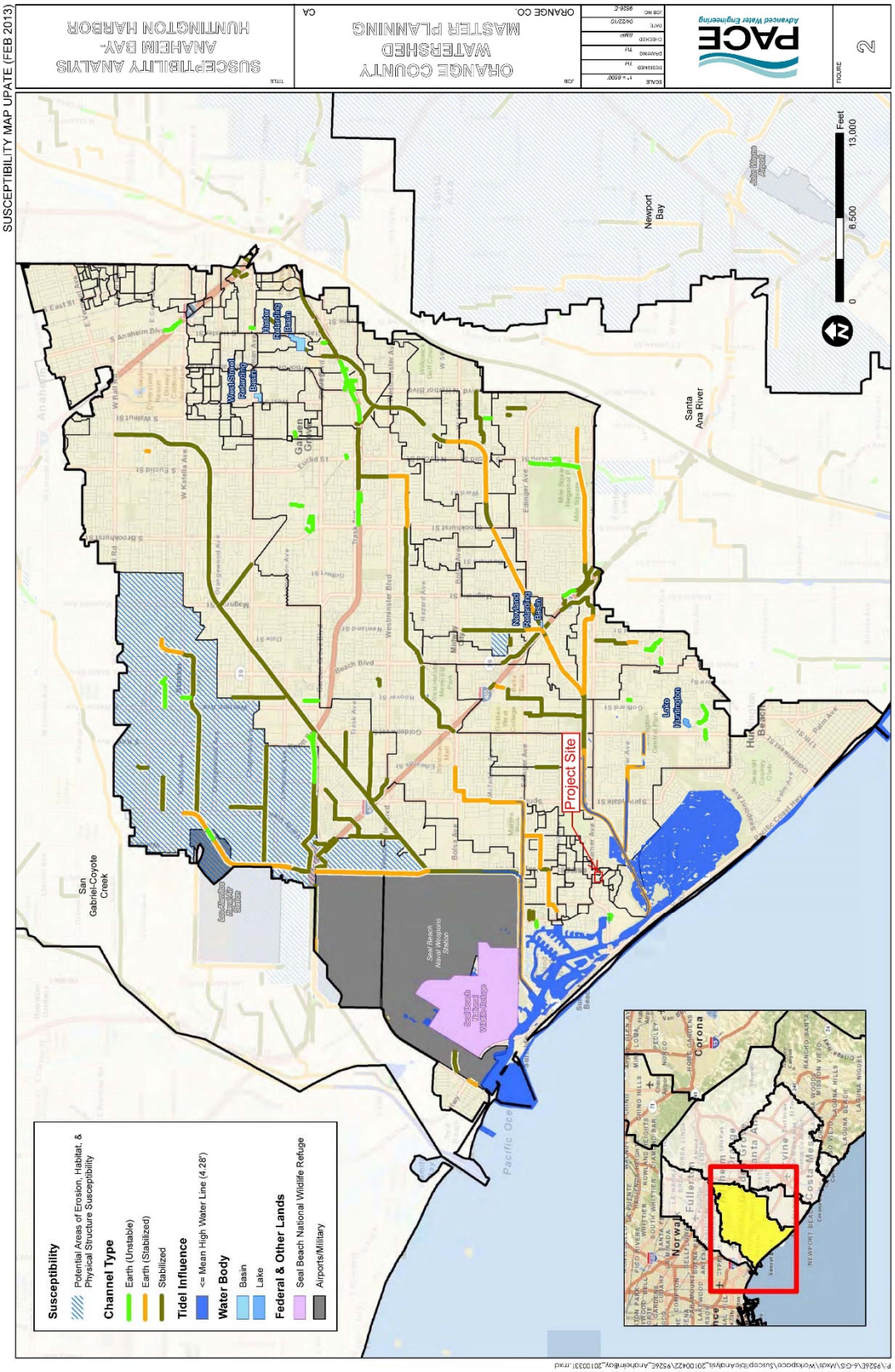
## II.3 Hydrologic Conditions of Concern

Determine if streams located downstream from the project area are determined to be potentially susceptible to hydromodification impacts. *Refer to Section 2.2.3.1 in the TGD for* NOC.

☒ No – Show map

☐ Yes – Describe applicable hydrologic conditions of concern below. *Refer to Section 2.2.3 in the TGD.*

SUSCEPTIBILITY MAP UPATE (FEB 2013)



## II.4 Post Development Drainage Characteristics

Drainage from the proposed project area will be collected by roof drains and inlets that will be directed to a treatment system prior to discharge into the back of a municipal catch basin. The potential treatment systems currently being considered for the proposed site include biofiltration (flow through) planters; Modular Wetlands Systems; or, a combination of biofiltration planters and Modular Wetlands Systems. Determination of the treatment options will be made once a plumbing engineer is on the design team. From the treatment system, flows will be directed via the on-site storm drain system to the back of an existing catch basin adjacent the site in Bolsa Chica Street and/or Warner Avenue. The storm drain laterals from these catch basins connect to an MS4 within Bolsa Chica Street.

**Public Storm Drain System**
The City-owned catch basins located on the southwest corner of Warner Avenue and Bolsa Chica Street connect to a northerly flowing 48-inch reinforced concrete pipe (RCP) storm drain in Bolsa Chica Street, which increases in size to a 60-inch concrete pipe and then a to 72-inch concrete pipe prior to discharging into the Sunset Channel. The Sunset Channel terminates in Huntington Harbour.

## II.5 Property Ownership/Management

Hines is the owner of the subject property and shall be responsible for the long term funding, operation, and maintenance of all specified BMPs. No on-site infrastructures will be transferred to any public agency. If there is a change of ownership, a Notice of Transfer of Responsibility must be submitted to the City of Huntington Beach (Attachment C).

# Section III Site Description

## III.1 Physical Setting

| | |
|---|---|
| Planning Area/ Community Name | N/A |
| Location/Address | SW Corner of Warner Avenue and Bolsa Chica Street |
| | 4952 & 4972 Warner Avenue |
| Land Use | CG (Commercial General) |
| Zoning | CG (Commercial General) |
| Acreage | 2.81 |
| Predominant Soil Type | D |

## III.2 Site Characteristics

| | |
|---|---|
| Precipitation Zone | 0.75 |
| Topography | Site topography is relatively flat with the southwest portion of the site being at a higher elevation and the northeastern portion of the site being a slightly lower elevation. |
| Drainage Patterns/Connections | Drainage from the existing project area sheet flows into ribbon gutters that drain into the adjacent streets from either the driveways, or, in one location, through an inlet that discharges to curb face. Approximately 68,016 square feet of existing area drains into Bolsa Chica Street, where it drains northerly for collection by a municipal catch basin located just prior to Warner Avenue. Approximately 31,693 square feet of existing area drains into Warner Avenue, where it drains easterly for collection by a municipal catch basin located just prior to Bolsa Chica Street, and approximately 22,618 square feet of existing area discharges to curb face on Warner Avenue, where it drains westerly to the municipal catch basin.<br><br>Both catch basins connect to a northerly flowing 48-inch reinforced concrete pipe (RCP) storm drain in Bolsa Chica Street that increases to a 60-inch concrete pipe, and further increases to a 72-inch concrete pipe prior to discharging to the Sunset Channel. The Sunset Channel discharges into Huntington Harbour and Anaheim Bay. |
| Soil Type, Geology, and Infiltration Properties | According to the geotechnical report dated July 26, 2021 by Langan, Irvine, California (Attachment G), the site is underlain by fill underlain by alluvial deposits. The alluvial deposits were encountered in borings LB-1 through LB-3 and consisted of medium dense to dense fine sands with varying amounts of silts and clays extending to about 23 to 25 feet below grade. In LB-1 |

| | |
|---|---|
| | and LB-3, these soils were underlain by firm to very stiff clay with trace amounts of fine sands extending to approximately 35 feet below grade, underlain by medium dense to dense fine sand with some clay. In LB-2, medium dense sand layers with varying levels of silt and clay were encountered closer to the surface in the 30 feet and 35 feet samples, underlain by a stiff clay layer with some fine sand. |
| **Site Characteristics (continued)** | |
| Hydrogeologic (Groundwater) Conditions | According to the geotechnical report dated July 26, 2021 by Langan, Irvine, California (Attachment G), groundwater was first encountered at the depth of 46.2 feet and measured 15 minutes later at 44.7 feet below grade in boring LB-2; groundwater was not encountered in borings LB-1 or LB-3. |
| Geotechnical Conditions (relevant to infiltration) | The site is listed on the State Water Resources Control Board's GeoTracker database as a LUST Cleanup Site due to a Chevron Texaco Station that was historically located on the northeast corner of the site (4972 Warner Avenue), precluding infiltration at the site. |
| Off-Site Drainage | Current and proposed conditions preclude offsite drainage from entering the site. |
| Utility and Infrastructure Information | Any existing on-site utilities will be removed, disposed of, and replaced, as required for the proposed building's use. |

## III.3 Watershed Description

| | |
|---|---|
| Receiving Waters | Stormwater discharged from the site will be directed to a Municipal Separate Storm Sewer System (MS4) that discharges into the westerly flowing Sunset Channel. The Sunset Channel flows into Huntington Harbor and Anaheim Bay. |
| 303(d) Listed Impairments | Huntington Harbour: **Chlordane; Copper; Indicator Bacteria; Lead; PCBs; Toxicity**<br>Anaheim Bay: **Nickel; PCBs; Toxicity** |
| Applicable TMDLs | N/A |
| Pollutants of Concern for the Project | Suspended Solids/Sediments, Nutrients, Pathogens, Pesticides, Oil & Grease, Trash & Debris |
| Environmentally Sensitive and Special Biological Significant Areas | N/A |

# Section IV Best Management Practices (BMPs)

## IV.1 Project Performance Criteria

| | | |
|---|---|---|
| (NOC Permit Area only) Is there an approved WIHMP or equivalent for the project area that includes more stringent LID feasibility criteria or if there are opportunities identified for implementing LID on regional or sub-regional basis? | YES ☐ | NO ☒ |
| If yes, describe WIHMP feasibility criteria or regional/sub-regional LID opportunities. | A WIHMP has not yet been developed for the project area. | |

| Project Performance Criteria (continued) | |
|---|---|
| If HCOC exists, list applicable hydromodification control performance criteria (Section 7.II-2.4.2.2 in MWQMP) | According to the TGD's Susceptibility Analysis Anaheim Bay-Huntington Harbor Map, downstream streams are not susceptible to hydromodification impacts. See Map in Section II.3. |
| List applicable LID performance criteria (Section 7.II-2.4.3 from MWQMP) | The following performance criteria for LID implementation are stated in both permits:<br>• Priority Projects must infiltrate, harvest and use, evapotranspire, or biotreat/biofilter, the 85th percentile, 24-hour storm event (Design Capture Volume).<br>• A properly designed biotreatment system may only be considered if infiltration, harvest and use, and evapotranspiration (ET) cannot be feasibly implemented for the full design capture volume. In this case, infiltration, harvest and use, and ET practices must be implemented to the greatest extent feasible and biotreatment may be provided for the remaining design capture volume.<br><br>The following performance criteria result in capture and retention and/or biotreatment of 80 percent of average annual stormwater runoff volume. The performance criteria for LID are stated as follows:<br>• LID BMPs must be designed to retain, on-site, (infiltrate, harvest and use, or evapotranspire) stormwater runoff up to 80 percent average annual capture efficiency<br>• LID BMPs must be designed to: |

| | |
|---|---|
| | o Retain, on-site, (infiltrate, harvest and use, or evapotranspire) stormwater runoff as feasible up to the Design Capture Volume, and<br>o Recover (i.e., draw down) the storage volume as soon as possible after a storm event (see criteria for maximizing drawdown rate in the TGD Appendix XI), and, if necessary<br>o Biotreat, on-site, additional runoff, as feasible, up to 80 percent average annual capture efficiency (cumulative, retention plus biotreatment), and, if necessary<br>o NOC Permit Area only – retain or biotreat, in a regional facility, the remaining runoff up to 80 percent average annual capture efficiency (cumulative, retention plus biotreatment, on-site plus off-site), and, if necessary<br>o Fulfill alternative compliance obligations for runoff volume not retained or biotreated up to 80 percent average annual capture efficiency using treatment controls or other alternative approaches as described in Section 7.II-3. |
| List applicable treatment control BMP performance criteria (Section 7.II-3.2.2 from MWQMP) | If it is not feasible to meet LID performance criteria through retention and/or biotreatment provided on-site or at a sub-regional/regional scale, then treatment control BMPs shall be provided on-site or offsite prior to discharge to waters of the US. Sizing of treatment control BMP(s) shall be based on either the unmet volume after claiming applicable water quality credits, if appropriate (See MWQMP Section 7.II-3.1 Water Quality Credits) and as calculated in TGD Appendix VI. If treatment control BMPs can treat all of the remaining unmet volume and have a medium to high effectiveness for reducing the primary POCs, the project is considered to be in compliance; a waiver application and participation in an alternative program is not required.<br><br>If the cost of providing treatment control BMPs greatly outweighs the pollution control benefits they would provide, a waiver of treatment control and LID requirements can be requested and alternative compliance approaches must be used to fulfill the remaining unmet volume (See Section 7.II-3.3).<br><br>The selected Treatment Control BMPs are sized to treat either the Stormwater Quality Design Flow (SQDF) or Stormwater Quality Design Volume (SQDV). The SQDF is the maximum flow rate of runoff produced from a rainfall intensity of 0.2-inch of rainfall per hour, and the SQDV is the volume of runoff produced from a 24-hour 85$^{th}$ percentile storm event, as determined from the local historical rainfall record for the project area. |

| | |
|---|---|
| Calculate LID design storm capture volume for Project (DCV) | This project will utilize BIO-1 Bioretention with underdrains and/or BIO-7 Proprietary Biotreatment device (Modular Wetlands System) as the LID BMP(s). Calculations are provided in Attachment F. |

## IV.2 Site Design And Drainage Plan

The proposed project scope includes a new building, walkways, courtyards, and landscaping. The walkways and courtyards will drain to adjacent landscaping whenever possible. Stormwater will be collected through roof drains or inlets and directed to either biofiltration planters or Modular Wetlands Systems for treatment. From the treatment system, flows will be directed via the on-site storm drain system to the back of an existing catch basin adjacent the site in Bolsa Chica Street and/or Warner Avenue. The storm drain lateral from these catch basins connect to an MS4 within Bolsa Chica Street.

**Modular Wetlands Calculation Summary**

| DMA # (Subarea) | DMA Area (AC) | SQDF (CFS) | Tributary Area Type | MWS Size & Treatment Capacity |
|---|---|---|---|---|
| DMA #1 | 2.81 | 0.60 | Building, Walkways, Courtyards, & Landscaping | MWS-L-8-24<br>0.693 cfs |

**Biofiltration w/Underdrain Calculation Summary**

| DMA # (Subarea) | DMA Area (AC) | DCV (CF) | Tributary Area Type | Minimum Biofiltration Planter Footprint (SF) |
|---|---|---|---|---|
| DMA #1 | 2.81 | 6,311 | Building, Walkways, Courtyards, & Landscaping | 3,884 |

# IV.3 LID BMP Selection And Project Conformance Analysis

## IV.3.1 Hydrologic Source Controls

| Name | Included? |
|---|---|
| Localized on-lot infiltration | ☐ |
| Impervious area dispersion (e.g. roof top disconnection) | ☐ |
| Street trees (canopy interception) | ☐ |
| Residential rain barrels (not actively managed) | ☐ |
| Green roofs/Brown roofs | ☐ |
| Blue roofs | ☐ |
| Impervious area reduction (e.g. permeable pavers, site design) | ☐ |
| Other: | ☐ |

N/A

## IV.3.2 Infiltration BMPs

| Name | Included? |
|---|---|
| Bioretention without underdrains | ☐ |
| Rain gardens | ☐ |
| Porous landscaping | ☐ |
| Infiltration planters | ☐ |
| Retention swales | ☐ |
| Infiltration trenches | ☐ |
| Infiltration basins | ☐ |
| Drywells | ☐ |
| Subsurface infiltration galleries | ☐ |
| French drains | ☐ |
| Permeable asphalt | ☐ |
| Permeable concrete | ☐ |
| Permeable concrete pavers | ☐ |
| Other: | ☐ |

N/A

### IV.3.3 Evapotranspiration, Rainwater Harvesting BMPs

| Name | Included? |
|---|---|
| All HSCs; *See Section IV.3.1* | ☐ |
| Surface-based infiltration BMPs | ☐ |
| Biotreatment BMPs | ☐ |
| Above-ground cisterns and basins | ☐ |
| Underground detention | ☐ |
| Other: | ☐ |
| Other: | ☐ |

N/A

### IV.3.4 Biotreatment BMPs

| Name | Included? |
|---|---|
| Bioretention with underdrains | ☒ |
| Stormwater planter boxes with underdrains | ☐ |
| Rain gardens with underdrains | ☐ |
| Constructed wetlands | ☐ |
| Vegetated swales | ☐ |
| Vegetated filter strips | ☐ |
| Proprietary vegetated biotreatment systems | ☒ |
| Wet extended detention basin | ☐ |
| Dry extended detention basins | ☐ |
| Other: | ☐ |
| Other: | ☐ |

Information sheets for the BMPs are included in Attachment B (BIO-7 Proprietary Biotreatment and Modular Wetlands) and the sizing calculations are located in Attachment F.

### IV.3.5 Hydromodification Control BMPs

| Hydromodification Control BMPs | |
|---|---|
| **BMP Name** | **BMP Description** |
| | |
| | |

### IV.3.6 Regional/Sub-Regional LID BMPs

| Regional/Sub-Regional LID BMPs |
|---|
| |

### IV.3.7 Treatment Control BMPs

| Treatment Control BMPs | |
|---|---|
| **BMP Name** | **BMP Description** |
| | |
| | |

| |
|---|
| |

## V.3.8 Non-structural Source Control BMPs

| Non-Structural Source Control BMPs | | | | |
|---|---|---|---|---|
| **Identifier** | **Name** | **Check One** | | **If not applicable, state brief reason** |
| | | **Included** | **Not Applicable** | |
| N1 | Education for Property Owners, Tenants and Occupants | ☒ | ☐ | |
| N2 | Activity Restrictions | ☒ | ☐ | |
| N3 | Common Area Landscape Management | ☒ | ☐ | |
| N4 | BMP Maintenance | ☒ | ☐ | |
| N5 | Title 22 CCR Compliance (How development will comply) | ☐ | ☒ | Project does not contain hazardous substances. |
| N6 | Local Industrial Permit Compliance | ☐ | ☒ | Project is not an industrial site. |
| N7 | Spill Contingency Plan | ☐ | ☒ | Project does not contain hazardous substances. |
| N8 | Underground Storage Tank Compliance | ☐ | ☒ | Project site does not have any UST's. |
| N9 | Hazardous Materials Disclosure Compliance | ☐ | ☒ | Project does not contain hazardous substances. |
| N10 | Uniform Fire Code Implementation | ☐ | ☒ | Project does not contain hazardous substances. |
| N11 | Common Area Litter Control | ☒ | ☐ | |
| N12 | Employee Training | ☒ | ☐ | |
| N13 | Housekeeping of Loading Docks | ☒ | ☐ | |
| N14 | Common Area Catch Basin Inspection | ☒ | ☐ | |
| N15 | Street Sweeping Private Streets and Parking Lots | ☒ | ☐ | |
| N16 | Retail Gasoline Outlets | ☐ | ☒ | Project site does not include a retail gasoline outlet. |

## IV.3.9 Structural Source Control BMPs

| Structural Source Control BMPs | | | | |
|---|---|---|---|---|
| Identifier | Name | Check One | | If not applicable, state brief reason |
| | | Included | Not Applicable | |
| S1 | Provide storm drain system stenciling and signage | ☒ | ☐ | |
| S2 | Design and construct outdoor material storage areas to reduce pollution introduction | ☐ | ☒ | No outdoor material storage proposed |
| S3 | Design and construct trash and waste storage areas to reduce pollution introduction | ☒ | ☐ | |
| S4 | Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control | ☒ | ☐ | |
| S5 | Protect slopes and channels and provide energy dissipation | ☐ | ☒ | Project does not have any slopes or channels. |
| | Incorporate requirements applicable to individual priority project categories (from SDRWQCB NPDES Permit) | ☐ | ☒ | Project is within SARWQCB NPDES Permit area and is not subject to this criterion. |
| S6 | Dock areas | ☐ | ☒ | Project does not have dock areas. |
| S7 | Maintenance bays | ☐ | ☒ | Project does not have maintenance bays. |
| S8 | Vehicle wash areas | ☐ | ☒ | Project does not have wash areas. |
| S9 | Outdoor processing areas | ☐ | ☒ | Project does not have outdoor processing areas. |
| S10 | Equipment wash areas | ☐ | ☒ | Project does not have equipment wash areas. |
| S11 | Fueling areas | ☐ | ☒ | Project does not have fueling areas. |
| S12 | Hillside landscaping | ☐ | ☒ | Project does not have hillside landscaping. |
| S13 | Wash water control for food preparation areas | ☐ | ☒ | Food preparation and washing will be performed inside building. |
| S14 | Community car wash racks | ☐ | ☒ | Project does not have community car wash racks. |

# IV.4 Alternative Compliance Plan (If Applicable)

## IV.4.1 Water Quality Credits

| Description of Proposed Project | | | | |
|---|---|---|---|---|
| Project Types that Qualify for Water Quality Credits (Select all that apply): | | | | |
| ☐Redevelopment projects that reduce the overall impervious footprint of the project site. | ☐Brownfield redevelopment, meaning redevelopment, expansion, or reuse of real property which may be complicated by the presence or potential presence of hazardous substances, pollutants or contaminants, and which have the potential to contribute to adverse ground or surface WQ if not redeveloped. | | ☐ Higher density development projects which include two distinct categories (credits can only be taken for one category): those with more than seven units per acre of development (lower credit allowance); vertical density developments, for example, those with a Floor to Area Ratio (FAR) of 2 or those having more than 18 units per acre (greater credit allowance). | |
| ☐ Mixed use development, such as a combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that can demonstrate environmental benefits that would not be realized through single use projects (e.g. reduced vehicle trip traffic with the potential to reduce sources of water or air pollution). | | ☐ Transit-oriented developments, such as a mixed use residential or commercial area designed to maximize access to public transportation; similar to above criterion, but where the development center is within one half mile of a mass transit center (e.g. bus, rail, light rail or commuter train station). Such projects would not be able to take credit for both categories, but may have greater credit assigned | | ☐ Redevelopment projects in an established historic district, historic preservation area, or similar significant city area including core City Center areas (to be defined through mapping). |
| ☐Developments with dedication of undeveloped portions to parks, preservation areas and other pervious uses. | ☐ Developments in a city center area. | ☐ Developments in historic districts or historic preservation areas. | ☐ Live-work developments, a variety of developments designed to support residential and vocational needs together – similar to criteria to mixed use development; would not be able to take credit for both categories. | ☐In-fill projects, the conversion of empty lots and other underused spaces into more beneficially used spaces, such as residential or commercial areas. |
| Calculation of Water Quality Credits(if applicable) | | | | |

## IV.4.2 Alternative Compliance Plan Information

| |
|---|
| |

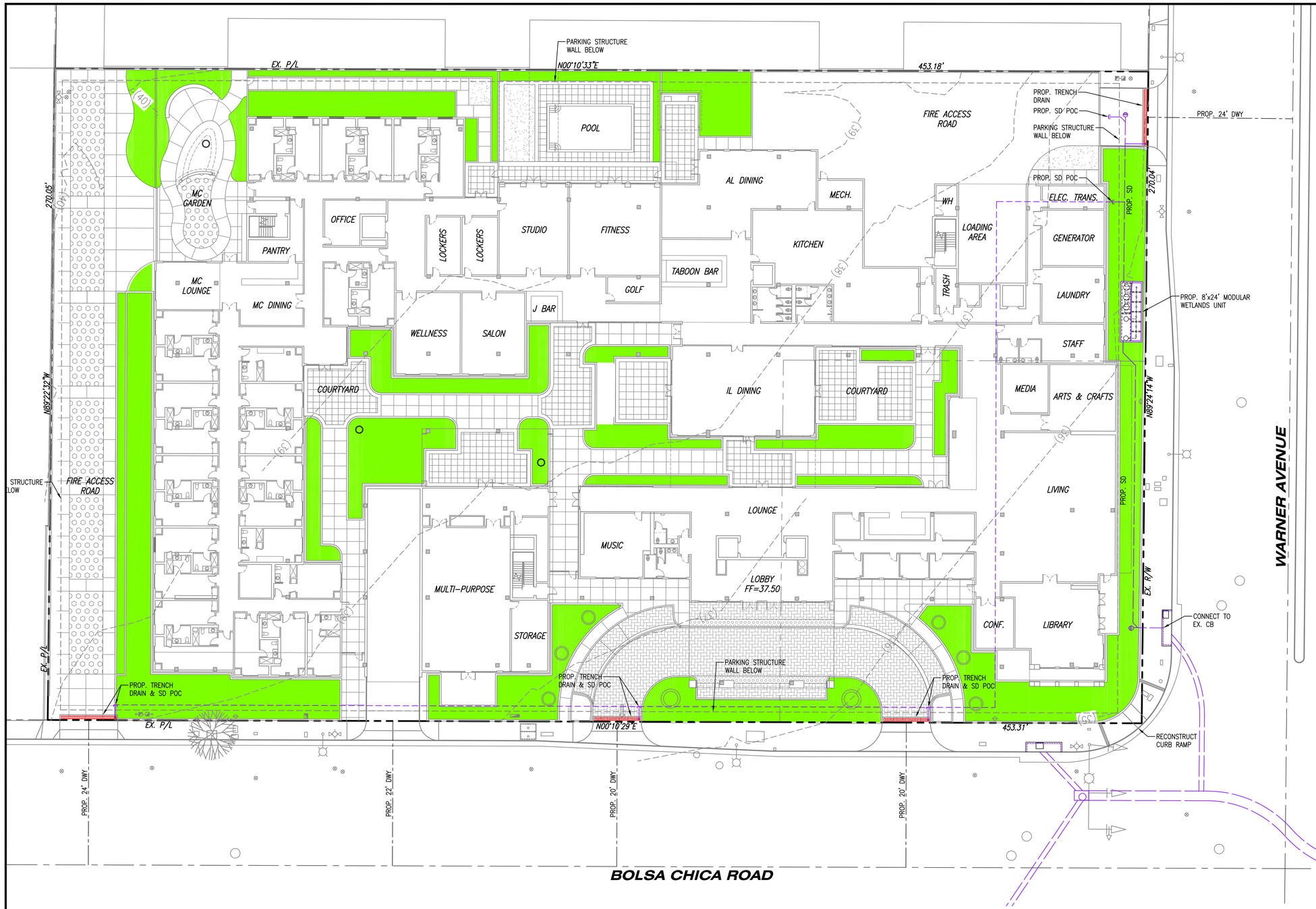
# Section V Inspection/Maintenance Responsibility for BMPs

Inspection and maintenance records must be kept for a minimum of five years for inspection by the regulatory agencies. Responsibility and funding for long term inspection and maintenance of all non-structural and structural source control BMPs and all treatment control BMPs is by:

**Hines**
444 S. Flower Street, Suite 2100
Los Angeles, CA 90071
(415) 250-4422

(See BMP Operation and Maintenance Plan in Attachment D)

# Section VI Site Plans




## PROJECT INFORMATION

| | |
|---|---|
| PROJECT AREA: | 122,392 SF (2.81 AC) |
| IMPERVIOUS AREA: | 104,596 SF (2.40 AC) |
| PERVIOUS AREA: | 17,796 SF (0.41 AC) |
| DCV: | 6,311 CF |
| SWQDF: | 0.60 CFS |

## SITE LID OPTION 1

MODULAR WETLANDS SYSTEM: MWS-L-8-24 (0.693 CFS)

## SITE LID OPTION 2

BIOFILTRATION PLANTERS W/UNDERDRAIN 3,884 SF

## SITE LID OPTION 3

COMBINATION OF OPTION 1 AND OPTION 2

0 10 20 40 60

SCALE: 1"=20' DATE: 4/5/22

# HUNTINGTON BEACH SENIOR LIVING

## HINES

## PRELIMINARY WQMP SITE PLAN

## HUNTINGTON BEACH, CALIFORNIA

KHR ASSOCIATES
CONSULTING ENGINEERS/SURVEYORS/PLANNERS
17530 Von Karman Avenue - Suite 200 Tel (949) 756-6440
Irvine, California 92614

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# Section VII Educational Materials

Refer to the Orange County Stormwater Program (ocwatersheds.com) for a library of materials available.

| Education Materials | | | |
|---|---|---|---|
| **Residential Material (http://www.ocwatersheds.com)** | **Check If Applicable** | **Business Material (http://www.ocwatersheds.com)** | **Check If Applicable** |
| The Ocean Begins at Your Front Door | ☒ | Tips for the Automotive Industry | ☐ |
| Tips for Car Wash Fund-raisers | ☐ | Tips for Using Concrete and Mortar | ☐ |
| Tips for the Home Mechanic | ☐ | Tips for the Food Service Industry | ☐ |
| Homeowners Guide for Sustainable Water Use | ☐ | Proper Maintenance Practices for Your Business | ☐ |
| Household Tips | ☐ | **Other Material** | **Check If Attached** |
| Proper Disposal of Household Hazardous Waste | ☐ | | |
| Recycle at Your Local Used Oil Collection Center (North County) | ☐ | CASQA SC-41 Building & Grounds Maintenance | ☒ |
| Recycle at Your Local Used Oil Collection Center (Central County) | ☐ | CASQA SC-43 Parking/Storage Area Maintenance | ☒ |
| Recycle at Your Local Used Oil Collection Center (South County) | ☐ | CASQA SC-44 Drainage System Maintenance | ☒ |
| Tips for Maintaining a Septic Tank System | ☐ | CASQA SD-12 Efficient Irrigation | ☒ |
| Responsible Pest Control | ☐ | CASQA SD-13 Storm Drain Signage | ☒ |
| Sewer Spill | ☐ | CASQA SD-32 Trash Storage Areas | ☒ |
| Tips for the Home Improvement Projects | ☐ | | ☐ |
| Tips for Horse Care | ☐ | | ☐ |
| Tips for Landscaping and Gardening | ☐ | | ☐ |
| Tips for Pet Care | ☐ | | ☐ |
| Tips for Pool Maintenance | ☐ | | ☐ |
| Tips for Residential Pool, Landscape and Hardscape Drains | ☐ | | ☐ |
| Tips for Projects Using Paint | ☐ | | ☐ |

# Attachment A: Educational Materials

The Ocean Begins At Your Front Door

SC-41 Building and Grounds Maintenance

SC-43 Parking/Storage Area Maintenance

SC-44 Drainage System Maintenance

SD-12 Efficient Irrigation

SD-13 Storm Drain Signage

SD-32 Trash Storage Areas

# Attachment B: BMP Fact Sheet

BIO-7: Proprietary Biotreatment

Modular Wetlands: MWS Linear

## XIV.5. Biotreatment BMP Fact Sheets (BIO)

Conceptual criteria for biotreatment BMP selection, design, and maintenance are contained in **Appendix XII**. These criteria are generally applicable to the design of biotreatment BMPs in Orange County and BMP-specific guidance is provided in the following fact sheets. [24]

*Note: Biotreatment BMPs shall be designed to provide the maximum feasible infiltration and ET based on criteria contained in **Appendix XI.2**.*

### BIO-1: Bioretention with Underdrains

Bioretention stormwater treatment facilities are landscaped shallow depressions that capture and filter stormwater runoff. These facilities function as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. The facilities normally consist of a ponding area, mulch layer, planting soils, and plants. As stormwater passes down through the planting soil, pollutants are filtered, adsorbed, biodegraded, and sequestered by the soil and plants. Bioretention with an underdrain are utilized for areas with low permeability native soils or steep slopes where the underdrain system that routes the treated runoff to the storm drain system rather than depending entirely on infiltration. **Bioretention must be designed without an underdrain** in areas of high soil permeability.

*Also known as:*

- *Rain gardens with underdrains*
- *Vegetated media filter*
- *Downspout planter boxes*

Bioretention
*Source: Geosyntec Consultants*

#### *Feasibility Screening Considerations*

- If there are no hazards associated with infiltration (such as groundwater concerns, contaminant plumes or geotechnical concerns), **bioinfiltration facilities**, which achieve partial infiltration, should be used to maximize infiltration.

[24] Not all BMPs presented in this section are considered "biofiltration BMPs" under the South Orange County Permit Area. Biofiltration BMPs are vegetated treat-and-release BMPs that filter stormwater through amended soil media that is biologically active, support plant growth, and also promote infiltration and/or evapotranspiration. For projects in South Orange County, the total volume of storage in surface ponding and pores spaces is required to be at least 75% of the remaining DCV that the biofiltration BMP is designed to address. This prevents significant down-sizing of BMPs which otherwise may be possible via routing calculations. Biotreatment BMPs that do not meet this definition are not considered to be LID BMPs, but may be used as treatment control or pre-treatment BMPs. See Section III.7 and Worksheet SOC-1 for guidance.

- Bioretention with underdrain facilities should be lined if contaminant plumes or geotechnical concerns exist. If high groundwater is the reason for infiltration infeasibility, bioretention facilities with underdrains do not need to be lined.

### *Opportunity Criteria*

- Land use may include commercial, residential, mixed use, institutional, and subdivisions. Bioretention may also be applied in parking lot islands, cul-de-sacs, traffic circles, road shoulders, road medians, and next to buildings in planter boxes.
- Drainage area is ≤ 5 acres.
- Area is available for infiltration.
- Site must have adequate relief between land surface and the stormwater conveyance system to permit vertical percolation through the soil media and collection and conveyance in underdrain to stormwater conveyance system.

### *OC-Specific Design Criteria and Considerations*

☐ Ponding depth should not exceed 18 inches; fencing may be required if ponding depth is greater than 6 inches to mitigate drowning.

☐ The minimum soil depth is 2 feet (3 feet is preferred).

☐ The maximum drawdown time of the bioretention ponding area is 48 hours. The maximum drawdown time of the planting media and gravel drainage layer is 96 hours, if applicable.

☐ Infiltration pathways may need to be restricted due to the close proximity of roads, foundations, or other infrastructure. A geomembrane liner, or other equivalent water proofing, may be placed along the vertical walls to reduce lateral flows. This liner should have a minimum thickness of 30 mils.

☐ If infiltration in bioretention location is hazardous due to groundwater or geotechnical concerns, a geomembrane liner must be installed at the base of the bioretention facility. This liner should have a minimum thickness of 30 mils.

☐ The planting media placed in the cell shall be designed per the recommendations contained in MISC-1: Planting/Storage Media

☐ Plant materials should be tolerant of summer drought, ponding fluctuations, and saturated soil conditions for 48 hours; native place species and/or hardy cultivars that are not invasive and do not require chemical inputs should be used to the maximum extent feasible

☐ The bioretention area should be covered with 2-4 inches (average 3 inches) or mulch at the start and an additional placement of 1-2 inches of mulch should be added annually.

☐ Underdrain should be sized with a 6 inch minimum diameter and have a 0.5% minimum slope. Underdrain should be slotted polyvinyl chloride (PVC) pipe; underdrain pipe should be more than 5 feet from tree locations (if space allows).

☐ A gravel blanket or bedding is required for the underdrain pipe(s). At least 0.5 feet of washed aggregate must be placed below, to the top, and to the sides of the underdrain pipe(s).

☐ An overflow device is required at the top of the bioretention area ponding depth.

☐ Dispersed flow or energy dissipation (i.e. splash rocks) for piped inlets should be provided at basin inlet to prevent erosion.

☐ Ponding area side slopes shall be no steeper than 3:1 (H:V) unless designed as a planter box BMP with appropriate consideration for trip and fall hazards.

### *Simple Sizing Method for Bioretention with Underdrain*

If the Simple Design Capture Volume Sizing Method described in **Appendix III.3.1** is used to size a bioretention with underdrain facility, the user selects the basin depth and then determines the appropriate surface area to capture the DCV. The sizing steps are as follows:

**Step 1: Determine DCV**

Calculate the DCV using the Simple Design Capture Volume Sizing Method described in **Appendix III.3.1**.

**Step 2: Verify that the Ponding Depth will Draw Down within 48 Hours**

The ponding area drawdown time can be calculated using the following equation:

$DD_P = (d_P / K_{MEDIA}) \times 12$ in/ft

Where:

$DD_P$ = time to drain ponded water, hours

$d_P$ = depth of ponding above bioretention area, ft (not to exceed 1.5 ft)

$K_{MEDIA}$ = media design infiltration rate, in/hr (equivalent to the media hydraulic conductivity with a factor of safety of 2; $K_{MEDIA}$ of 2.5 in/hr should be used unless other information is available)

If the drawdown time exceeds 48 hours, adjust ponding depth and/or media infiltration rate until 48 hour drawdown time is achieved.

**Step 3: Determine the Depth of Water Filtered During Design Capture Storm**

The depth of water filtered during the design capture storm can be estimated as the amount routed through the media during the storm, or the ponding depth, whichever is smaller.

$d_{FILTERED}$ = Minimum [ $((K_{MEDIA} \times T_{ROUTING})/12)$, $d_P$]

Where:

$d_{FILTERED}$ = depth of water that may be considered to be filtered during the design storm event, ft

$K_{MEDIA}$ = media design infiltration rate, in/hr (equivalent to the media hydraulic conductivity with a factor of safety of 2; $K_{MEDIA}$ of 2.5 in/hr should be used unless other information is available)

$T_{ROUTING}$ = storm duration that may be assumed for routing calculations; this should be assumed to be no greater than 3 hours. If the designer desires to account for further routing effects, the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs (See **Appendix III.3.2**) should be used.

$d_P$ = depth of ponding above bioretention area, ft (not to exceed 1.5 ft)

**Step 4: Determine the Facility Surface Area**

$A = DCV/ (d_P + d_{FILTERED})$

Where:

A = required area of bioretention facility, sq-ft

DCV = design capture volume, cu-ft

$d_{FILTERED}$ = depth of water that may be considered to be filtered during the design storm event, ft

$d_P$ = depth of ponding above bioretention area, ft (not to exceed 1.5 ft)

In South Orange County, the provided ponding plus pore volume must be checked to demonstrate that it is greater than 0.75 of the remaining DCV that this BMP is designed to address. See Section III.7 and Worksheet SOC-1.

### *Capture Efficiency Method for Bioretention with Underdrains*

If the bioretention geometry has already been defined and the user wishes to account more explicitly for routing, the user can determine the required footprint area using the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs (See **Appendix III.3.2**) to determine the fraction of the DCV that must be provided to manage 80 percent of average annual runoff volume. This method accounts for drawdown time different than 48 hours.

**Step 1: Determine the drawdown time associated with the selected basin geometry**

$DD = (d_p / K_{DESIGN}) \times 12$ in/ft

Where:

DD = time to completely drain infiltration basin ponding depth, hours

$d_P$ = bioretention ponding depth, ft (should be less than or equal to 1.5 ft)

$K_{DESIGN}$ = design media infiltration rate, in/hr (assume 2.5 inches per hour unless otherwise proposed)

If drawdown is less than 3 hours, the drawdown time should be rounded to 3 hours or the Capture Efficiency Method for Flow-based BMPs (See **Appendix III.3.3**) shall be used.

**Step 2: Determine the Required Adjusted DCV for this Drawdown Time**

Use the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs (See **Appendix III.3.2**) to calculate the fraction of the DCV the basin must hold to achieve 80 percent capture of average annual stormwater runoff volume based on the basin drawdown time calculated above.

**Step 3: Determine the Basin Infiltrating Area Needed**

The required infiltrating area (i.e. the surface area of the top of the media layer) can be calculated using the following equation:

$A = \text{Design Volume} / d_p$

Where:

A = required infiltrating area, sq-ft (measured at the media surface)

Design Volume = fraction of DCV, adjusted for drawdown, cu-ft (see Step 2)

$d_p$ = ponding depth of water stored in bioretention area, ft (from Step 1)

This does not include the side slopes, access roads, etc. which would increase bioretention footprint. If the area required is greater than the selected basin area, adjust surface area or adjust ponding depth and recalculate required area until the required area is achieved.

In South Orange County, the provided ponding plus pore volume must be checked to demonstrate that it is greater than 0.75 of the remaining DCV that this BMP is designed to address. See Section III.7 and Worksheet SOC-1.

### *Configuration for Use in a Treatment Train*

- Bioretention areas may be preceeded in a treatment train by HSCs in the drainage area, which would reduce the required design volume of the bioretention cell. For example, bioretention could be used to manage overflow from a cistern.
- Bioretention areas can be used to provide pretreatment for underground infiltration systems.

### *Additional References for Design Guidance*

- CASQA BMP Handbook for New and Redevelopment: **http://www.cabmphandbooks.com/Documents/Development/TC-32.pdf**

- SMC LID Manual (pp 68): **http://www.lowimpactdevelopment.org/guest75/pub/All_Projects/SoCal_LID_Manual/SoCalLID_Manual_FINAL_040910.pdf**
- Los Angeles County Stormwater BMP Design and Maintenance Manual, Chapter 5: **http://dpw.lacounty.gov/DES/design_manuals/StormwaterBMPDesignandMaintenance.pdf**
- San Diego County LID Handbook Appendix 4 (Factsheet 7): **http://www.sdcounty.ca.gov/dplu/docs/LID-Appendices.pdf**

  Los Angeles Unified School District (LAUSD) Stormwater Technical Manual, Chapter 4: **http://www.laschools.org/employee/design/fs-studies-and-reports/download/white_paper_report_material/Storm_Water_Technical_Manual_2009-opt-red.pdf?version_id=76975850**
- County of Los Angeles Low Impact Development Standards Manual, Chapter 5: **http://dpw.lacounty.gov/wmd/LA_County_LID_Manual.pdf**

## BIO-7: Proprietary Biotreatment

Proprietary biotreatment devices are devices that are manufactured to mimic natural systems such as bioretention areas by incorporating plants, soil, and microbes engineered to provide treatment at higher flow rates or volumes and with smaller footprints than their natural counterparts. Incoming flows are typically filtered through a planting media (mulch, compost, soil, plants, microbes, etc.) and either infiltrated or collected by an underdrain and delivered to the storm water conveyance system. Tree box filters are an increasingly common type of proprietary biotreatment device that are installed at curb level and filled with a bioretention type soil. For low to moderate flows they operate similarly to bioretention systems and are bypassed during high flows. Tree box filters are highly adaptable solutions that can be used in all types of development and in all types of soils but are especially applicable to dense urban parking lots, street, and roadways.

*Also known as:*

- *Catch basin planter box*
- *Bioretention vault*
- *Tree box filter*

Proprietary biotreatment
*Source: http://www.americastusa.com /index.php/filterra/*

### *Feasibility Screening Considerations*

- Proprietary biotreatment devices that are unlined may cause incidental infiltration. Therefore, an evaluation of site conditions should be conducted to evaluate whether the BMP should include an impermeable liner to avoid infiltration into the subsurface.

### *Opportunity Criteria*

- Drainage areas of 0.25 to 1.0 acres.
- Land use may include commercial, residential, mixed use, institutional, and subdivisions. Proprietary biotreatment facilities may also be applied in parking lot islands, traffic circles, road shoulders, and road medians.
- Must not adversely affect the level of flood protection provided by the drainage system.

### *OC-Specific Design Criteria and Considerations*

☒ Frequent maintenance and the use of screens and grates to keep trash out may decrease the likelihood of clogging and prevent obstruction and bypass of incoming flows.

☒ Consult proprietors for specific criteria concerning the design and performance.

☒ Proprietary biotreatment may include specific media to address pollutants of concern. However, for proprietary device to be considered a biotreatment device the media must be capable of supporting rigorous growth of vegetation.

☒ Proprietary systems must be acceptable to the reviewing agency. Reviewing agencies shall have the discretion to request performance information. Reviewing agencies shall have the discretion to deny the use of a proprietary BMP on the grounds of performance, maintenance considerations, or other relevant factors.

☒ In right of way areas, plant selection should not impair traffic lines of site. Local jurisdictions may also limit plant selection in keeping with landscaping themes.

### *Computing Sizing Criteria for Proprietary Biotreatment Device*

- Proprietary biotreatment devices can be volume based or flow-based BMPs.
- Volume-based proprietary devices should be sized using the Simple Design Capture Volume Sizing Method described in **Appendix III.3.1** or the Capture Efficiency Method for Volume-Based, Constant Drawdown BMPs described in **Appendix III.3.2**.
- The required design flowrate for flow-based proprietary devices should be computed using the Capture Efficiency Method for Flow-based BMPs described in **Appendix III.3.3)**.

In South Orange County, the provided ponding plus pore volume must be checked to demonstrate that it is greater than 0.75 of the remaining DCV that this BMP is designed to address. Many propretary biotreatment BMPs will not be able to meet the definition of "biofiltration" that applies in South Orange County. See Section III.7 and Worksheet SOC-1.

### *Additional References for Design Guidance*

- Los Angeles Unified School District (LAUSD) Stormwater Technical Manual, Chapter 4: **http://www.laschools.org/employee/design/fs-studies-and-reports/download/white_paper_report_material/Storm_Water_Technical_Manual_2009-opt-red.pdf?version_id=76975850**
- Los Angeles County Stormwater BMP Design and Maintenance Manual, Chapter 9: **http://dpw.lacounty.gov/DES/design_manuals/StormwaterBMPDesignandMaintenance.pdf**
- Santa Barbara BMP Guidance Manual, Chapter 6: **http://www.santabarbaraca.gov/NR/rdonlyres/91D1FA75-C185-491E-A882-49EE17789DF8/0/Manual_071008_Final.pdf**

MODULAR WETLANDS™

*Advanced **Stormwater** Biofiltration*

# MWS Linear

# Contents


**1** Introduction

**2** Applications

**3** Configurations

**4** Advantages

**5** Operation

**6** Orientations | Bypass

**7** Performance | Approvals

**8** Sizing

**9** Installation | Maintenance | Plants

# The Urban Impact

For hundreds of years natural wetlands surrounding our shores have played an integral role as nature's stormwater treatment system. But as our cities grow and develop, these natural wetlands have perished under countless roads, rooftops, and parking lots.

# Plant A Wetland

Without natural wetlands our cities are deprived of water purification, flood control, and land stability. Modular Wetlands and the MWS Linear re-establish nature's presence and rejuvenate water ways in urban areas.

# MWS Linear

The Modular Wetland System Linear represents a pioneering breakthrough in stormwater technology as the only biofiltration system to utilize patented horizontal flow, allowing for a smaller footprint and higher treatment capacity. While most biofilters use little or no pre-treatment, the MWS Linear incorporates an advanced pre-treatment chamber that includes separation and pre-filter cartridges. In this chamber sediment and hydrocarbons are removed from runoff before it enters the biofiltration chamber, in turn reducing maintenance costs and improving performance.

# Applications

The MWS Linear has been successfully used on numerous new construction and retrofit projects. The system's superior versatility makes it beneficial for a wide range of stormwater and waste water applications - treating rooftops, streetscapes, parking lots, and industrial sites.

## Industrial

Many states enforce strict regulations for discharges from industrial sites. The MWS Linear has helped various sites meet difficult EPA mandated effluent limits for dissolved metals and other pollutants.

## Residential

Low to high density developments can benefit from the versatile design of the MWS Linear. The system can be used in both decentralized LID design and cost-effective end-of-the-line configurations.

## Streets

Street applications can be challenging due to limited space. The MWS Linear is very adaptable, and offers the smallest footprint to work around the constraints of existing utilities on retrofit projects.

## Parking Lots

Parking lots are designed to maximize space and the MWS Linear's 4 ft. standard planter width allows for easy integration into parking lot islands and other landscape medians.

## Commercial

Compared to bioretention systems, the MWS Linear can treat far more area in less space - meeting treatment and volume control requirements.

## Mixed Use

The MWS Linear can be installed as a raised planter to treat runoff from rooftops or patios, making it perfect for sustainable "live-work" spaces.

More applications are available on our website: www.ModularWetlands.com/Applications

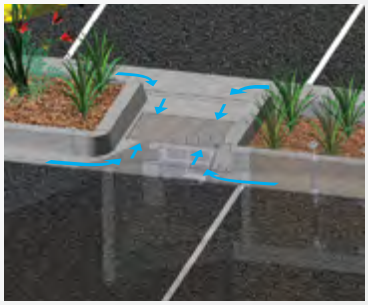
- Agriculture
- Reuse
- Low Impact Development
- Waste Water

# Configurations

The MWS Linear is the preferred biofiltration system of Civil Engineers across the country due to its versatile design. This highly versatile system has available "pipe-in" options on most models, along with built-in curb or grated inlets for simple integration into your stormdrain design.

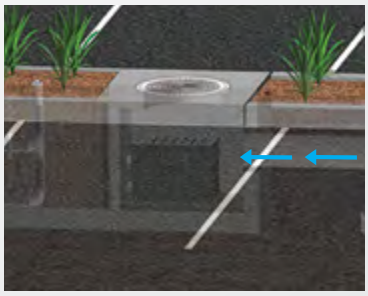
## Curb Type

The *Curb Type* configuration accepts sheet flow through a curb opening and is commonly used along road ways and parking lots. It can be used in sump or flow by conditions. Length of curb opening varies based on model and size.



## Grate Type

The *Grate Type* configuration offers the same features and benefits as the *Curb Type* but with a grated/drop inlet above the systems pre-treatment chamber. It has the added benefit of allowing for pedestrian access over the inlet. ADA compliant grates are available to assure easy and safe access. The *Grate Type* can also be used in scenarios where runoff needs to be intercepted on both sides of landscape islands.



## Vault Type

The system's patented horizontal flow biofilter is able to accept inflow pipes directly into the pre-treatment chamber, meaning the MWS Linear can be used in end-of-the-line installations. This greatly improves feasibility over typical decentralized designs that are required with other biofiltration/bioretention systems. Another benefit of the "pipe in" design is the ability to install the system downstream of underground detention systems to meet water quality volume requirements.

## Downspout Type

The *Downspout Type* is a variation of the *Vault Type* and is designed to accept a vertical downspout pipe from roof top and podium areas. Some models have the option of utilizing an internal bypass, simplifying the overall design. The system can be installed as a raised planter and the exterior can be stuccoed or covered with other finishes to match the look of adjacent buildings.

# Advantages & Operation

The MWS Linear is the most efficient and versatile biofiltration system on the market, and the only system with horizontal flow which improves performance, reduces footprint, and minimizes maintenance. Figure-1 and Figure-2 illustrate the invaluable benefits of horizontal flow and the multiple treatment stages.

### Featured Advantages

- Horizontal Flow Biofiltration
- Greater Filter Surface Area
- Pre-Treatment Chamber
- Patented Perimeter Void Area
- Flow Control
- No Depressed Planter Area

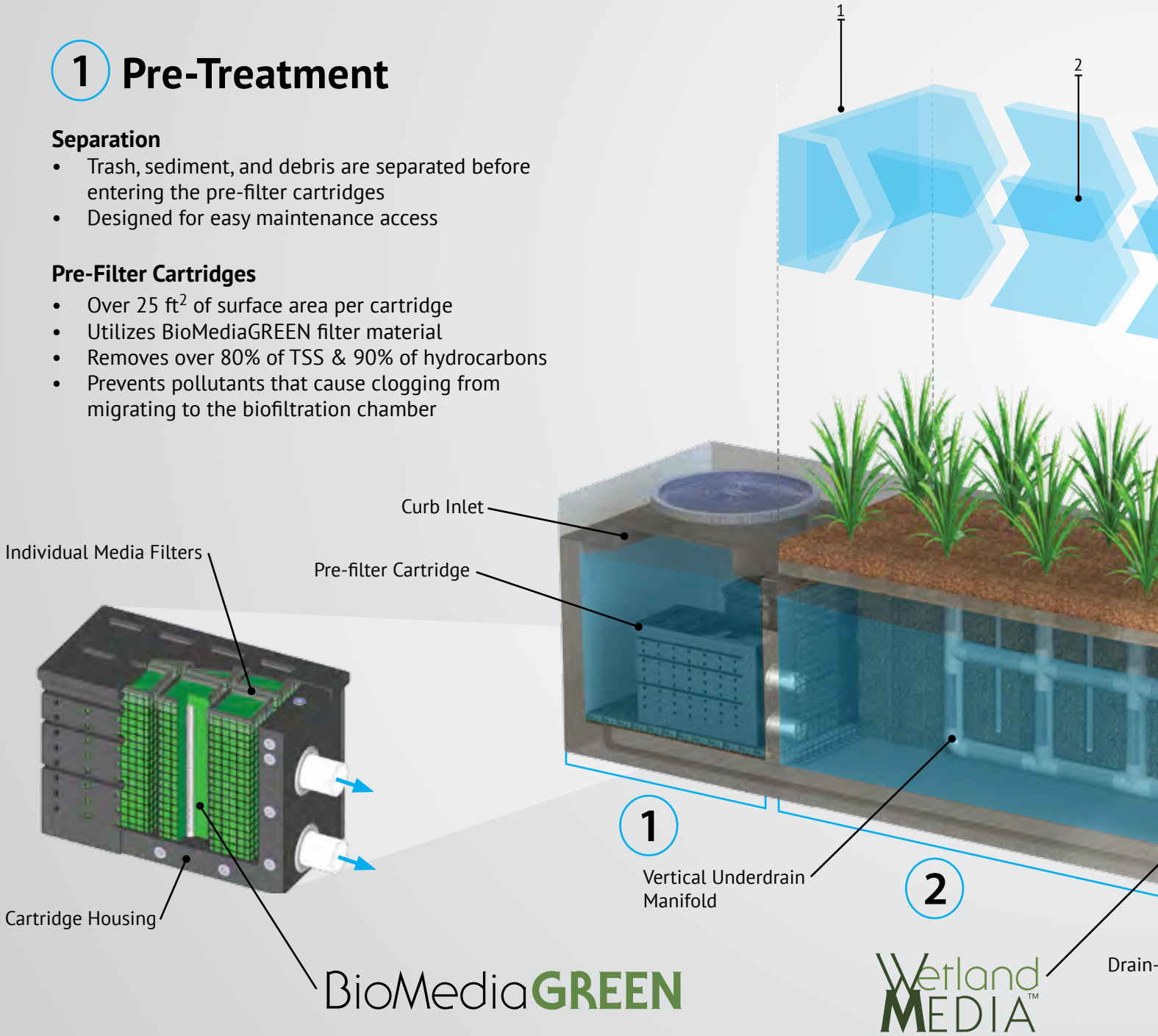
## 1 Pre-Treatment

### Separation

- Trash, sediment, and debris are separated before entering the pre-filter cartridges
- Designed for easy maintenance access

### Pre-Filter Cartridges

- Over 25 $ft^2$ of surface area per cartridge
- Utilizes BioMediaGREEN filter material
- Removes over 80% of TSS & 90% of hydrocarbons
- Prevents pollutants that cause clogging from migrating to the biofiltration chamber



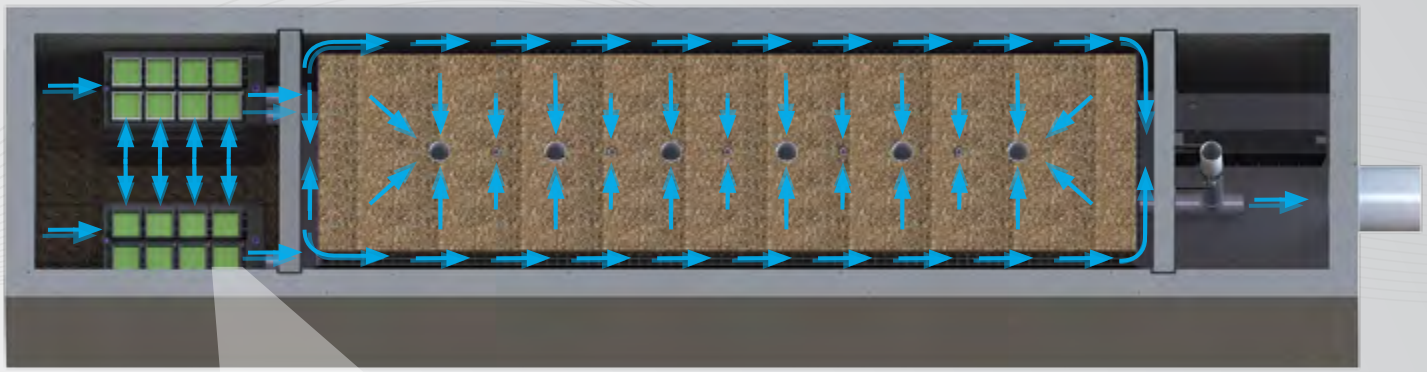


Fig. 2 - Top View

**2x to 3x More Surface Area** Than Traditional Downward Flow Bioretention Systems.

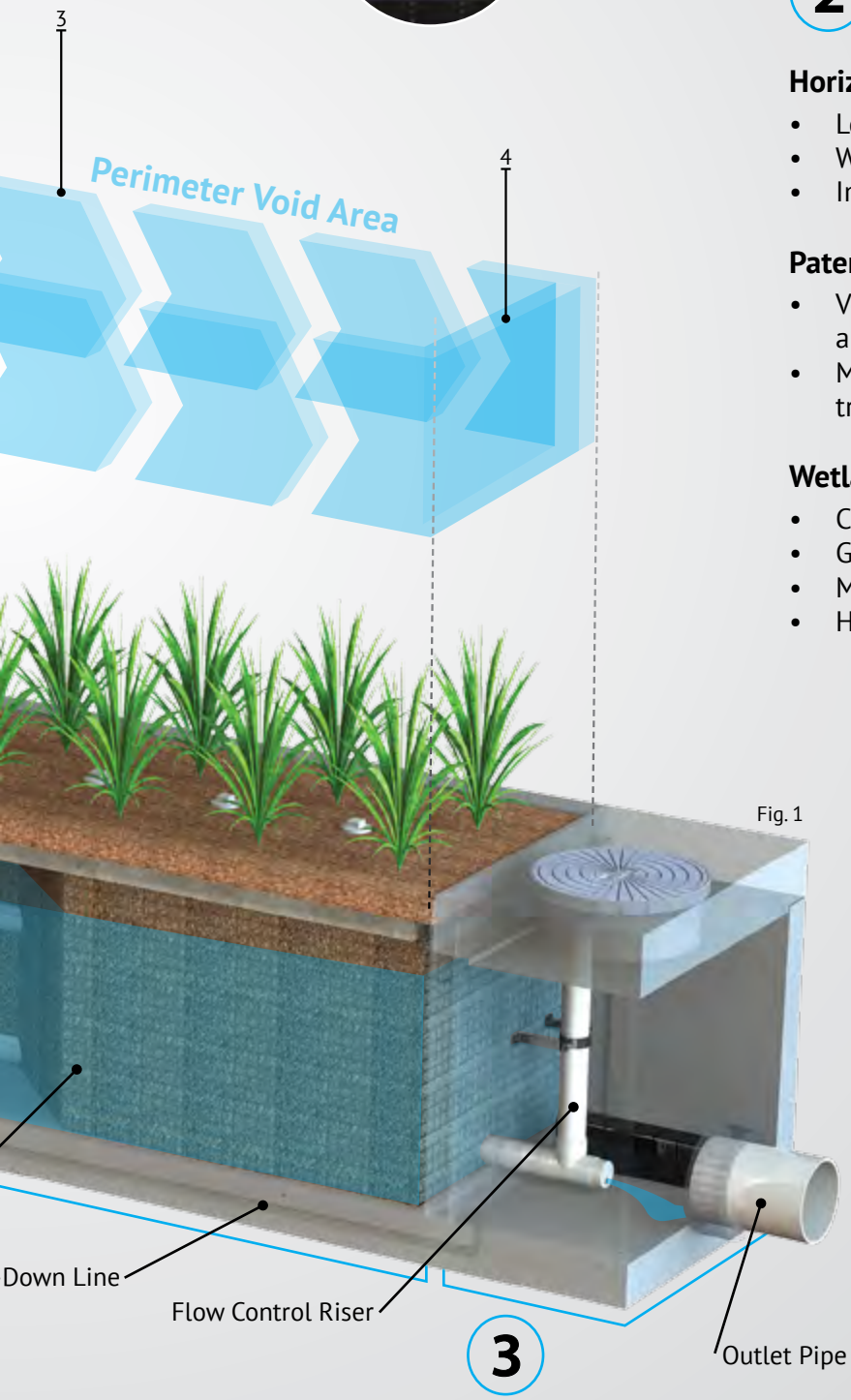



Fig. 1

## 2 Biofiltration

### Horizontal Flow

- Less clogging than downward flow biofilters
- Water flow is subsurface
- Improves biological filtration

### Patented Perimeter Void Area

- Vertically extends void area between the walls and the WetlandMEDIA on all four sides.
- Maximizes surface area of the media for higher treatment capacity

### WetlandMEDIA

- Contains no organics and removes phosphorus
- Greater surface area and 48% void space
- Maximum evapotranspiration
- High ion exchange capacity and light weight

## 3 Discharge

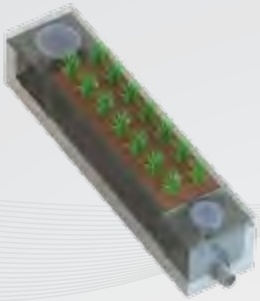
### Flow Control

- Orifice plate controls flow of water through WetlandMEDIA to a level lower than the media's capacity.
- Extends the life of the media and improves performance

### Drain-Down Filter

- The Drain-Down is an optional feature that completely drains the pre-treatment chamber
- Water that drains from the pre-treatment chamber between storm events will be treated

# Orientations



## Side-By-Side

The *Side-By-Side* orientation places the pre-treatment and discharge chamber adjacent to one another with the biofiltration chamber running parallel on either side. This minimizes the system length, providing a highly compact footprint. It has been proven useful in situations such as streets with directly adjacent sidewalks, as half of the system can be placed under that sidewalk. This orientation also offers internal bypass options as discussed below.

## End-To-End

The *End-To-End* orientation places the pre-treatment and discharge chambers on opposite ends of the biofiltration chamber therefore minimizing the width of the system to 5 ft (outside dimension). This orientation is perfect for linear projects and street retrofits where existing utilities and sidewalks limit the amount of space available for installation. One limitation of this orientation is bypass must be external.

# Bypass

## Internal Bypass Weir (Side-by-Side Only)

The *Side-By-Side* orientation places the pre-treatment and discharge chambers adjacent to one another allowing for integration of internal bypass. The wall between these chambers can act as a bypass weir when flows exceed the system's treatment capacity, thus allowing bypass from the pre-treatment chamber directly to the discharge chamber.

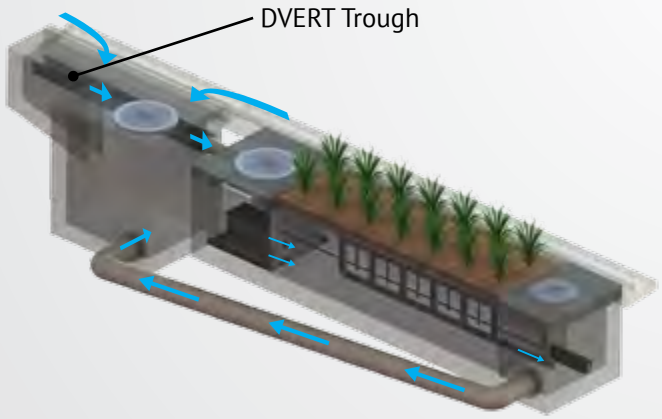
## External Diversion Weir Structure

This traditional offline diversion method can be used with the MWS Linear in scenarios where runoff is being piped to the system. These simple and effective structures are generally configured with two outflow pipes. The first is a smaller pipe on the upstream side of the diversion weir - to divert low flows over to the MWS Linear for treatment. The second is the main pipe that receives water once the system has exceeded treatment capacity and water flows over the weir.

## Flow By Design

This method is one in which the system is placed just upstream of a standard curb or grate inlet to intercept the first flush. Higher flows simply pass by the MWS Linear and into the standard inlet downstream.

## DVERT Low Flow Diversion




This simple yet innovative diversion trough can be installed in existing or new curb and grate inlets to divert the first flush to the MWS Linear via pipe. It works similar to a rain gutter and is installed just below the opening into the inlet. It captures the low flows and channels them over to a connecting pipe exiting out the wall of the inlet and leading to the MWS Linear. The DVERT is perfect for retrofit and green street applications that allows the MWS Linear to be installed anywhere space is available.

# Performance

The MWS Linear continues to outperform other treatment methods with superior pollutant removal for TSS, heavy metals, nutrients, hydrocarbons and bacteria. Since 2007 the MWS Linear has been field tested on numerous sites across the country. With it's advanced pre-treatment chamber and innovative horizontal flow biofilter, the system is able to effectively remove pollutants through a combination of physical, chemical, and biological filtration processes. With the same biological processes found in natural wetlands, the MWS Linear harnesses natures ability to process, transform, and remove even the most harmful pollutants.

# Approvals

The MWS Linear has successfully met years of challenging technical reviews and testing from some of the most prestigious and demanding agencies in the nation, and perhaps the world.

## Washington State DOE Approved

The MWS Linear is approved for General Use Level Designation (GULD) for Basic, Enhanced, and Phosphorus treatment at 1 gpm/ft$^2$ loading rate. The highest performing BMP on the market for all main pollutant categories.

| TSS | Total Phosphorus | Ortho Phosphorus | Nitrogen | Dissolved Zinc | Dissolved Copper | Total Zinc | Total Copper | Motor Oil |
|---|---|---|---|---|---|---|---|---|
| 85% | 64% | 67% | 45% | 66% | 38% | 69% | 50% | 95% |

## DEQ Assignment

The Virginia Department of Environmental Quality assigned the MWS Linear, the highest phosphorus removal rating for manufactured treatment devices to meet the new Virginia Stormwater Management Program (VSMP) Technical Criteria.

## MASTEP Evaluation

The University of Massachusetts at Amherst – Water Resources Research Center, issued a technical evaluation report noting removal rates up to 84% TSS, 70% Total Phosphorus, 68.5% Total Zinc, and more.

## Rhode Island DEM Approved

Approved as an authorized BMP and noted to achieve the following minimum removal efficiencies: 85% TSS, 60% Pathogens, 30% Total Phosphorus for discharges to freshwater systems, and 30% Total Nitrogen for discharges to saltwater or tidal systems.

# Flow Based Sizing

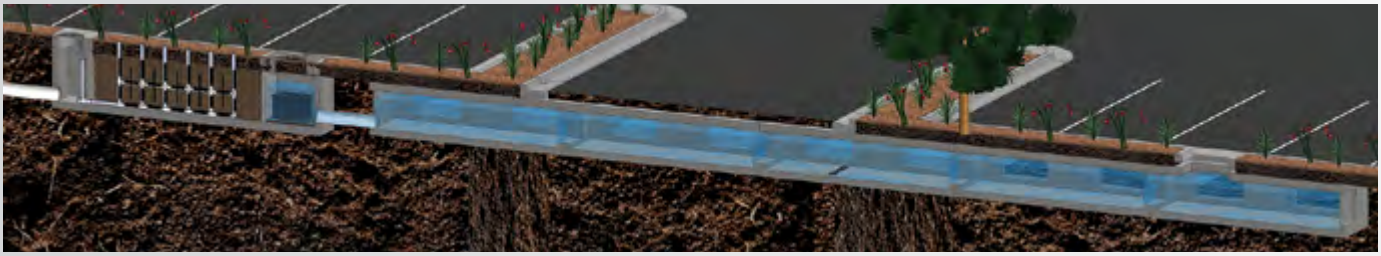
The MWS Linear can be used in stand alone applications to meet treatment flow requirements. Since the MWS Linear is the only biofiltration system that can accept inflow pipes several feet below the surface it can be used not only in decentralized design applications but also as a large central end-of-the-line application for maximum feasibility.

## Treatment Flow Sizing Table

| Model # | Dimensions | WetlandMedia Surface Area | Treatment Flow Rate (cfs) |
|---|---|---|---|
| MWS-L-4-4 | 4' x 4' | 23 $ft^2$ | 0.052 |
| MWS-L-4-6 | 4' x 6' | 32 $ft^2$ | 0.073 |
| MWS-L-4-8 | 4' x 8' | 50 $ft^2$ | 0.115 |
| MWS-L-4-13 | 4' x 13' | 63 $ft^2$ | 0.144 |
| MWS-L-4-15 | 4' x 15' | 76 $ft^2$ | 0.175 |
| MWS-L-4-17 | 4' x 17' | 90 $ft^2$ | 0.206 |
| MWS-L-4-19 | 4' x 19' | 103 $ft^2$ | 0.237 |
| MWS-L-4-21 | 4' x 21' | 117 $ft^2$ | 0.268 |
| MWS-L-8-8 | 8' x 8' | 100 $ft^2$ | 0.230 |
| MWS-L-8-12 | 8' x 12' | 151 $ft^2$ | 0.346 |
| MWS-L-8-16 | 8' x 16' | 201 $ft^2$ | 0.462 |

# Volume Based Sizing

Many states require treatment of a water quality volume and do not offer the option of flow based design. The MWS Linear and its unique horizontal flow makes it the only biofilter that can be used in volume based design installed downstream of ponds, detention basins, and underground storage systems.



## Treatment Volume Sizing Table

| Model # | Treatment Capacity (cu. ft.) @ 24-Hour Drain Down | Treatment Capacity (cu. ft.) @ 48-Hour Drain Down |
|---|---|---|
| MWS-L-4-4 | 1140 | 2280 |
| MWS-L-4-6 | 1600 | 3200 |
| MWS-L-4-8 | 2518 | 5036 |
| MWS-L-4-13 | 3131 | 6261 |
| MWS-L-4-15 | 3811 | 7623 |
| MWS-L-4-17 | 4492 | 8984 |
| MWS-L-4-19 | 5172 | 10345 |
| MWS-L-4-21 | 5853 | 11706 |
| MWS-L-8-8 | 5036 | 10072 |
| MWS-L-8-12 | 7554 | 15109 |
| MWS-L-8-16 | 10073 | 20145 |

# Installation

The MWS Linear is simple, easy to install, and has a space efficient design that offers lower excavation and installation costs compared to traditional tree-box type systems. The structure of the system resembles pre-cast catch basin or utility vaults and is installed in a similar fashion.

The system is delivered fully assembled for quick installation. Generally, the structure can be unloaded and set in place in 15 minutes. Our experienced team of field technicians are available to supervise installations and provide technical support.

# Maintenance

Reduce your maintenance costs, man hours, and materials with the MWS Linear. Unlike other biofiltration systems that provide no pre-treatment, the MWS Linear is a self-contained treatment train which incorporates simple and effective pre-treatment.

Maintenance requirements for the biofilter itself are almost completely eliminated, as the pre-treatment chamber removes and isolates trash, sediments, and hydrocarbons. What's left is the simple maintenance of an easily accessible pre-treatment chamber that can be cleaned by hand or with a standard vac truck. Only periodic replacement of low-cost media in the pre-filter cartridges is required for long term operation and there is absolutely no need to replace expensive biofiltration media.

# Plant Selection

Abundant plants, trees, and grasses bring value and an aesthetic benefit to any urban setting, but those in the MWS Linear do even more - they increase pollutant removal. What's not seen, but very important, is that below grade the stormwater runoff/flow is being subjected to nature's secret weapon: a dynamic physical, chemical, and biological process working to break down and remove non-point source pollutants. The flow rate is controlled in the MWS Linear, giving the plants more "contact time" so that pollutants are more successfully decomposed, volatilized and incorporated into the biomass of The MWS Linear's micro/macro flora and fauna.

A wide range of plants are suitable for use in the MWS Linear, but selections vary by location and climate. View suitable plants by selecting the list relative to your project location's hardy zone.

Please visit www.ModularWetlands.com/Plants for more information and various plant lists.

# Attachment C:
# Notice of Transfer of Responsibility Form

To be included with Final WQMP.

# Attachment D:
# BMP Operation and Maintenance Plan

To be included with Final WQMP.

# Attachment E:
# Project Code Requirements

# CITY OF HUNTINGTON BEACH

## DEPARTMENT OF COMMUNITY DEVELOPMENT

PLANNING ♦ BUILDING ♦ PERMIT CENTER ♦ ECONOMIC DEVELOPMENT ♦ HOUSING ♦ CODE ENFORCEMENT

**NOTICE OF FILING STATUS**

December 21, 2021

| | |
|---|---|
| **Application:** | General Plan Amendment No. 2021-004, Zoning Text Amendment No. 2021-003, Conditional Use Permit No. 2021-024, Variance No. 2021-003, Environmental Assessment No. 2021-004 (Huntington Beach Senior Living) |
| **Applicant:** | Tom Lawless, 4000 MacArthur Boulevard, Suite 280, Newport Beach CA 92660 |
| **Property Owner:** | James Filipan, 16531 Cotuit Circle, Huntington Beach CA 92649 |
| **Request:** | **GPA:** To amend the General Plan Land Use Element to modify the definition of General Commercial (CG) to 1) allow new development FAR above the current maximum of 1.5 (Maximum TBD); and 2) permit development in the General Commercial Land Use designation to exceed maximum 2 stories (TBD). **ZTA:** [None requested]. **CUP:** To establish a new convalescent facility land use in the CG zone and construct a new 5-story 290,850 sq. ft. assisted living senior facility consisting of 233 total senior living units, 268 on-site parking spaces within a subterranean parking garage, and associated hardscape, landscaping, and other related improvements. **VAR**: 1) To permit a maximum overall building height of 64 ft. in lieu of maximum 50 ft. within the CG zoning district; 2) To permit a maximum overall height of 64 ft. in lieu of 18 ft. at a 19 ft. 10 in. setback in lieu of the 45 ft. setback requirement when adjacent to a residential use. **EA**: To review the potential environmental impacts associated with the proposed project. |
| **Project Location:** | 4952 & 4972 Warner Avenue, 92647 (Southwest corner of Bolsa Chica Street at Warner Avenue) |

Dear Mr. Lawless:

NOTICE IS HEREBY GIVEN that the Community Development Department has reviewed your entitlement application, received and dated November 22, 2021, and has deemed the application to be incomplete. The following information and/or corrections are requested in order for the Planning Division to deem your application complete and continue the review process of your application:

**MINIMUM APPLICATON REQUIREMENTS:**

The following items are necessary to deem your application complete:

1. To amend the Huntington Beach Zoning and Subdivision Ordinance (HBZSO), the Zoning Text Amendment (ZTA) request shall be accompanied by a legislative draft copy of the section or sections to be modified, with redline changes throughout as applicable. This legislative draft should include the proposed changes in a page-by-page format, including any exhibits. The project as submitted includes a ZTA request,

but proposes no such changes to the code or associated description within the narrative.

2. The submitted floor plans indicate at least two bar areas, indicating the potential sales and service of alcoholic beverages. Please indicate in the project narrative if a license from the Alcoholic Beverage Control (ABC) is required for the proposed facility and, if so, which type of ABC license is necessary. Staff strongly encourages that the CUP request be inclusive of a specific type of ABC license so that review and approval of this element of future service is processed concurrently.

3. The submitted plans indicate that the subject site currently has a grade differential above three feet (34.46' min – 38.06' max) prior to rough grading, which requires review and approval of a CUP. Please include this request in the narrative description for the CUP. Approval shall be based upon a building and grading plan which terraces the building with the grade and is compatible with adjacent development. **(HBZSO 230.70 (C))**

4. The submitted plans also indicate a conceptual excavation estimate of approximately 55,000 cubic yards of soil. Grading or stockpiling which involves 25,000 cubic yards or more shall be referred to the Planning Commission for review and approval prior to the issuance of the grading or stockpiling permit. (HBZSO 240.02) Please include this request in the narrative description for the CUP.

5. The proposed project would occur over existing property lines between two separate legal parcels. Please identify the intended instrument to consolidate these parcels into one to accommodate the proposed project. An application for a Lot Line Adjustment may be required.

6. A preliminary Lighting Plan for the proposed project.

7. It is anticipated that the proposed project will require compliance with the California Environmental Quality Act (CEQA) through either a Supplemental or Addendum Environmental Impact Report (EIR), Mitigated Negative Declaration (MND), or Negative Declaration (ND). The precise documentation will be determined through the Request for Proposals (RFP) process to engage a CEQA consultant. Ultimately, the applicant will be responsible for submitting a Reimbursement Agreement and funds to cover the cost of the CEQA analysis.

**DESIGN RECOMMENDATIONS:**

The following items are staff recommendations to improve the design of the project consistent with the City's adopted Design Guidelines and/or design principles:

1. In past projects, staff has found that a developer-led community workshop has been very beneficial to the entitlement process. Please identify any plans for a project-related public workshop.

2. Large scale residential and quasi-residential projects receive numerous Amazon-type deliveries each day and experience constant move-in/move-out activity. Submit a

detailed plan demonstrating how this activity will be accommodated, including the location(s) of a mail and delivery room and describe the moving truck loading areas with access for future residents. Additionally, please demonstrate adequate capacity, maneuverability, and storage for refuse at proposed units and compliance with current recycling and composting regulations.

3. Please identify the number and location of any mature trees that will be removed as a result of the project.

**OTHER DEPARTMENTS COMMENTS:**

The comments from the other City departments are attached for your review. Please contact the respective department to discuss their comments.

The department encourages you to schedule an appointment with your assigned project planner when you are ready to re-submit plans/drawings. This service is provided to help you understand the minimum requirements of your application and to work toward deeming the application complete. This meeting is to ensure you address all the issues contained within this letter and to help streamline the process so that your application is scheduled in a timely matter. Please contact the assigned project planner to schedule an appointment.

Please submit the above-noted information and/or corrections as soon as possible in order for the Planning Division to continue the review process of your request. Please note, additional comments and concerns may be generated upon receipt of the requested information. Also, completion of the corrections and/or the submittal of the additional information does not presume approval of the application requested.

If you should have any questions or concerns regarding the processing of your application, please feel free to contact me at (714) 536-5561 or hayden.beckman@surfcity-hb.org.

Sincerely,

Hayden Beckman
Senior Planner

Attachments: Public Works Department Comments
Fire Department Comments
Police Department Comments
Building Division Comments

c: Jane James, Planning Manager
Steve Eros, Fire Department
Bill Ford, Building Division
Project File
Steve Bogart, Public Works
Jan Thomas, CPTED
James Filipan, Property Owner

# *Crime Prevention Through Environmental Design*

# CITY OF HUNTINGTON BEACH
# POLICE DEPARTMENT

**CPTED DEVELOPMENT REVIEW**

| | |
|---|---|
| **DATE:** | DEC. 20, 2021 |
| **PROJECT NAME:** | HUNTINGTON BEACH SENIOR LIVING |
| **PROJECT LOCATION:** | 4952 & 4972 WARNER AVE. |
| **ASSIGNED PLANNER:** | HAYDEN BECKMAN |
| **PLAN REVIEWER:** | JAN THOMAS, CPTED CONSULTANT - HBPD |
| **TELEPHONE/E-MAIL:** | (949) 290-1604/iae@cox.net |

**PROJECT DESCRIPTION:** THREE VARIANCES REQUESTED: 1) TO DECREASE THE MINIMUM SETBACK ON WESTERN SIDE TO 16', 2) TO INCREASE THE MAXIMUM HEIGHT TO INCLUDE FIVE STORIES, 3) TO DECREASE THE NUMBER OF LOADING SPACES FROM 3 TO 2.

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The following is a list of code requirements deemed applicable to the proposed project based on plans stated above. The list is intended to assist the applicant by identifying requirements, which must be satisfied during the various stages of project permitting and implementation. A list of conditions of approval adopted by the Planning Commission in conjunction with the requested entitlement(s), if any, will also be provided upon final project approval. If you have any questions regarding these requirements, please contact the Plan Reviewer.

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No concerns regarding any of the requested variances.

However, please continue to apply previous police comments from July 13, 2021, listed below.

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SUBTERRANEAN PARKING

Subterranean parking is a potentially unsafe and/or burdensome situation for senior citizens. There is limited visibility in subterranean parking garages, which may impose further risk on a senior who is unable to move quickly to exit the structure and get to his/her apartment. The same is true for a resident entering the garage to get to his/her vehicle.

Lighting and design to optimize visibility is of utmost importance in this structure. Specifically, the parking structure shall throw light between the vehicles, since most crime in parking structures occurs between the vehicles.

24/7 security throughout the property, including this parking structure, is encouraged and strongly recommended, as well as surveillance cameras in, and throughout the facility.

Security

Post the phone number for security in the garage. 24/7 security throughout the property, including this parking structure, is encouraged and strongly recommended.

Surveillance Cameras

Install surveillance cameras throughout the parking structure and access points. Cameras shall also cover all areas in and surrounding the immediate property. Post signs stating that recording is in progress.

Radio Transmission in Parking Structure

Public Safety radios might not transmit well in the parking structure. It is imperative that an effective antenna be installed so that emergency personnel can receive/transmit in the parking structure. Install a system conducive to public safety radio transmission.

Police Access

Install a "dual" Knox-Box to ensure police officers, as well as firefighters have access to the property.

EXTERIOR PERIMETER

Fencing

Is the exterior enclosed? Recommend surrounding the exterior with fencing to enable residents to safety walk the perimeter.

Lighting and Visibility

Light the pedestrian pathways with low path lighting. Keep landscaping to a minimum. Landscaping height should be no more than 2' and trees should allow a window of visibility from the ground up from 2' to at least 6'. This will also enable police to see easily onto the property while on patrol.

# CITY OF HUNTINGTON BEACH

## PROJECT IMPLEMENTATION CODE REQUIREMENTS

| | |
|---|---|
| **DATE:** | **12/02/2021** |
| **PROJECT NAME:** | **Huntington Beach Senior Living** |
| **PLANNING APPLICATION NO.:** | **PA-2021-0185** |
| **ENTITLEMENTS:** | |
| **PROJECT LOCATION:** | 4952 Warner |
| **PLAN REVIEWER:** | **Kevin Kirby** |
| **TELEPHONE/E-MAIL:** | (714) 374-5324 / kkirby@surfcity-hb.org |

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The following is a list of code requirements deemed applicable to the proposed project based on plans stated above. The list is intended to assist the applicant by identifying requirements which must be satisfied during the various stages of project permitting and implementation. A list of conditions of approval adopted by the Planning Commission in conjunction with the requested entitlement(s), if any, will also be provided upon final project approval. If you have any questions regarding these requirements, please contact the Plan Reviewer.

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- **REQUIREMENT:**

1. Development Impact Fees will be required for new construction and commercial/industrial additions.
2. Landscape plan is a separate submittal for irrigation and plants only. No accessory structures or flat work will be reviewed on the landscape plans.
3. **All site work for accessibility will be reviewed and inspected based on the approved architectural plans.**
4. All accessory and minor accessory structures including site MEP will be on separate permits.

- **CODE REQUIREMENTS BASED ON PLANS & DRAWINGS SUBMITTED:**

1. Project shall comply with the current State building codes adopted by the City at the time of permit application submittal. Currently they are the 2019 California Building Code (CBC), 2019 California Residential Code (CRC), 2019 California Mechanical Code, 2019 California Plumbing Code, 2019 California Electrical Code, 2019 California Energy Code, 2019 California Green Building Standards Code, and the Huntington Beach Municipal Code (HBMC). Compliance to all applicable state and local codes is required prior to issuance of building permit.

2. Provide building code analysis including type of construction, allowable area and height, occupancy group requirements, exterior wall ratings (per chapter 5 and 7), and means of egress per the 2019 CBC.
3. Provide compliance to disabled accessibility requirements of Chapter 11A and/or 11B of the 2019 CBC. Including an accessible path of travel to the public way.
4. For projects that will include multiple licensed professions in multiple disciplines, i.e. Architect and professional engineers for specific disciplines, a Design Professional in Responsible Charge will be requested per the 2019 CBC, Section 107.3.4.
5. In addition to all of the code requirements of the 2019 California Green Building Standards Code, specifically address Construction Waste Management per Sections 4.408.2, 4.408.3, 4.408.4, 5.408.1.1, 5.408.1.2, 5.408.1.3 and Building Maintenance and Operation, Section 5.410. Prior to the issuance of a building permit, the permitee will be required to describe how they will comply with the sections described above. Prior to Building Final Approval, the City will require a Waste Diversion Report per Sections 4.408.5 and 5.408.1.4.
6. The City of Huntington Beach has adopted the 2019 California Green Building Standards Code, including Sections 4.106.4.1 for Electric Vehicle (EV) Charging for New Construction, and 5.106.5.3 Electric Vehicle (EV) Charging.
7. The City of Huntington Beach has adopted the 2019 California Green Building Standards Code including section 301.1.1 where all non-compliant fixtures shall be replaced with water conserving fixtures as described in section 403.3.1. Non-compliant fixtures are defined in section 1101.3(c) of the California Civil Code.

- **COMMENTS:**

1. Project "*Condition of Approval*" shall appear on the submitted drawings.
2. Plans shall show justifications for allowable floor areas and the number of stories.
3. **Exiting Plan & Analysis**: Plans should include an occupant load analysis on the plans and provide an “Exit Plan” to show a clear and dimensioned Means of Egress system that provides a continuous, unobstructed exit from any occupied point in the building to a public way.
4. **Fire-rated Construction**: Plans should clearly identify the locations of the Fire Areas, Fire Walls, Fire Barriers, Fire Partitions, and all Occupancy separations. Provide complete legends and details on the plans.
5. Third party inspection by an independent certified deputy inspector for fire-stopping, fire-resistant penetrations and joints are required. (CBC Sections 1704, 1705, 1705.16)
6. Plans should clearly show compliance with CBC Chapters 11A (Housing Accessibility for Newly-Constructed Covered Multifamily Dwellings) and 11B Accessibility to Public Buildings, Public Accommodations, Commercial Buildings and Public Housing). A Certified Access Specialist (CASp) report is recommended and shall be incorporated onto the plans.
7. Please provide analysis & a summary matrix of the accessible and/or adaptable units on the Title Sheet.
8. Building shall conform to State amendments for disabled accessibility, CBC Chapter 11A for the residential and common areas and 11B for the public areas.

9. **Accessible route**: All buildings of covered multifamily dwellings and related facilities such as parking spaces, laundry, storage, and other facilities for the use of the residents; passenger drop off points; the public way; and any adjacent public transportation stops, shall be connected by an accessible route of travel.
10. Dwelling Units constructed as senior citizens housing may also be subject to the Unruh Civil Rights Act. Refer to Division I, Part 2 of the California Civil Code Section 51. In particular section 51.2(d) subsections( 1-7)
11. Covered multifamily dwellings may be subject to the requirements of more than one jurisdiction or law, which would require compliance with each law. Where federal, state or local laws differ, the more stringent requirements apply.
12. Your building is a covered multifamily dwelling with possibly a small public component in the first floor lobby area for business and sales. You should use Section 1109A 2019 CBC to calculate the required accessible parking. The ratios used in Huntington Beach Municipal Code 231.04 were developed considering all auto trips associated with your proposed development and as a result include trips by tenants, guests and employees. If both unassigned tenant parking, employees and visitors will be using the subterranean parking then use1109A.5 to calculate the number of required accessible parking spaces. Also note the van spaces as shown on the level B1 floor plan cannot share a common access aisle.
13. You will need to be compliant with the applicable provisions of Section 435 2019 CBC. Special Provisions for licensed 24-Hour Care Facilities in a R-2.1, R-3.1 R-4. In particular Section 435.5 Fire-resistance-rated construction provisions

# CITY OF HUNTINGTON BEACH

PUBLIC WORKS INTERDEPARTMENTAL COMMUNICATION

## PROJECT IMPLEMENTATION CODE REQUIREMENTS

| | |
|---|---|
| **DATE:** | DECEMBER 7, 2021 |
| **PROJECT NAME:** | HUNTINGTON BEACH SENIOR LIVING |
| **ENTITLEMENTS:** | CUP 2021-024, VAR 2021-003 GPA 2021-004, ZMA 2021-003 EA 2021-004 |
| **PLNG APPLICATION NO.** | PA 2021-0185 |
| **DATE OF PLANS:** | OCTOBER 15, 2021 |
| **PROJECT LOCATION:** | 4952 AND 4972 WARNER AVE., 92649 (SOUTHWEST CORNER OF WARNER AVENUE AT BOLSA CHICA STREET) |
| **PROJECT PLANNER:** | HAYDEN BECKMAN, SENIOR PLANNER |
| **PLAN REVIEWER:** | STEVE BOGART, SENIOR CIVIL ENGINEER |
| **TELEPHONE/E-MAIL:** | 714-374-1692 / SBOGART@SURFCITY-HB.ORG |
| **PROJECT DESCRIPTION:** | TO REVIEW CONCEPTUAL PLANS TO AMEND THE GENERAL PLAN AND ZONING TO CONSTRUCT A NEW 5-STORY 290.850 SQ. FT. ASSISTED LIVING/RESIDENTIAL CARE FACILITY AT AN OVERALL HEIGHT OF 64 FT. THAT INCLUDES:<br>- 233 TOTAL RESIDENTIAL CARE UNITS<br>  o 145 INDEPENDENT LIVING<br>  o 60 ASSISTED LIVING<br>  o 28 MEMORY CARE<br>- SUBTERRANEAN PARKING GARAGE WITH 207 PARKING SPACES<br>- TWO INTERIOR COURTYARDS<br>- POOL AND GARDEN AMENITIES |

The following is a list of code requirements deemed applicable to the proposed project based on plans as stated above. The items below are to meet the City of Huntington Beach's Municipal Code (HBMC), Zoning and Subdivision Ordinance (ZSO), Department of Public Works Standard Plans (Civil, Water and Landscaping) and the American Public Works Association (APWA) Standards Specifications for Public Works Construction (Green Book), the Orange County Drainage Area management Plan (DAMP), and the City Arboricultural and Landscape Standards and Specifications. The list is intended to assist the applicant by identifying requirements which shall be satisfied during the various stages of project permitting, implementation and construction. If you have any questions regarding these requirements, please contact the Plan Reviewer or Project Planner.

### SITE PLAN DEVELOPMENT REQUIREMENTS:

1. Consolidate the project driveway locations to be consistent with General Plan Policy CIRC-1G which states to limit development driveway access points. The number of access driveways on Bolsa Chica Street shall be limited to a maximum of two (2) driveways.

2. A Project Trip Generation Analysis shall be provided to Public Works for review. Based on the results of the trip generation analysis a Traffic Impact Analysis (TIA) may be required. If said Traffic Impact Analysis is required, the applicant shall prepare the project (TIA) for review and approval by Public Works. (CIRC-1F)

**THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A GRADING PERMIT:**

1. A Precise Grading Plan, prepared by a Licensed Civil Engineer, shall be submitted to the Public Works Department for review and approval. (MC 17.05/ZSO 230.84) The plans shall comply with Public Works plan preparation guidelines and include the following improvements on the plan:
   a. Damaged curb, gutter and sidewalk along the site's Bolsa Chica Street and Warner Avenue frontages shall be removed and replaced per Public Works Standard Plan Nos. 202 and 207. (ZSO 230.84)
   b. The proposed driveway approaches on Bolsa Chica Street shall be constructed per Public Works Standard Plan No. 209 or 211. (ZSO 230.84)
   c. The existing driveway approaches on Bolsa Chica Street and Warner Avenue shall be removed and replaced with curb, gutter, and sidewalk per Public Works Standard Plan Nos. 202 and 207. (ZSO 230.84)
   d. The full depth of the existing AC pavement, for half-width (from existing curb line to the existing street centerline) of the project's Bolsa Chica Street frontage, shall be removed and replaced. The new roadway section shall be designed pursuant to the recommendations provided by the developer's licensed Geotechnical Engineer and as approved by the City Department of Public Works. (ZSO 230.84)
   e. An ADA compliant access ramp at the southwest corner of Bolsa Chica Street and Warner Avenue per Caltrans Standard Plan A88A. (ZSO 230.84, ADA)
   f. A new sewer lateral shall be installed connecting to the existing City sewer main in Warner Avenue. If the new sewer lateral is not constructed at the same location as the existing lateral, then the existing lateral shall be severed and capped at the main or chimney. (ZSO 230.84)
   g. Any existing on-site public water pipeline (including removal of water appurtenances) impacted by the proposed structures, curbs, planters, parking facilities, trees, walls, etc. shall be abandoned per Water Division Standards. (State of California Administrative Code, Title 17)
   h. The developer shall construct approximately 350 linear feet (LF) of minimum 8-inch water diameter pipeline along Warner Avenue starting from the most northwesterly corner of the property, head east, and connect to an existing 12-inch water main at the intersection of Bolsa Chica Street and Warner Avenue.
   i. New domestic water service(s) and meter(s) shall be installed per Water Division Standards, and sized to meet the minimum requirements set by the California Plumbing Code (CPC). The quantity of public water meters shall be minimized and master-metered to the fullest extent possible. Sub-metering with private water meters constructed within private property is allowed. (ZSO 230.84) (MC 14.08.020)
   j. The existing domestic water services currently serving the existing development may potentially be utilized if they are of adequate size, conform to current standards, and are in working condition as determined by the Water Inspector. If the property owner elects to utilize the existing water service(s), any non-conforming water service(s), meter(s), and backflow

protection device(s) shall be upgraded to conform to the current Water Division Standards. (ZSO 230.84)

k. A separate irrigation water service and meter shall be installed per Water Division Standards. (ZSO 232) (MC 14.52)

l. Separate backflow protection devices shall be installed per Water Division Standards for domestic, irrigation and fire water services, and shall be screened from view. (Resolution 5921 and State of California Administrative Code, Title 17)

m. All backflow devices for domestic, irrigation and fire water services shall be constructed the outside building, parking structure, and as close as practical to the meter or point of connection to the City's water main per the current Water Division Standards. (Resolution 5921 and State of California Administrative Code, Title 17 and Downtown Specific Plan)

n. The existing domestic water services and meters, if not being used, shall be abandoned per Water Division Standards. (ZSO 230.84)

o. The fire sprinkler system that is required by the Fire Department for the proposed development shall have a separate dedicated fire service line installed per Water Division Standards. (ZSO 230.84)

p. Any on-site fire hydrant(s) that are/is required by the Fire Department to serve the proposed development shall become a private fire hydrant(s) that are served by private fire water service(s). These private fire water services shall be separated from the public water main(s) in Bolsa Chica Street and Warner Avenue by construction of a double check detector assembly. The double check detector assembly shall be constructed per the City of Huntington Beach Standard Plan No. 618, and shall be sized to provide adequate fire flow protection for the private on-site fire hydrant(s). The double check detector assembly shall be located within landscape planter area or other area and screened from view by landscaping or other method as approved by the Department of Public Works. The on-going maintenance of this private fire water service and private fire hydrants shall be the responsibility of the development owner(s). (Resolution 5921, State of California Administrative Code, Title 17)

2. The developer shall submit for approval by the Fire Department and Water Division, a hydraulic water analysis to ensure that fire service connection from the point of connection to City water main to the backflow protection device satisfies Water Division standard requirements.

3. The Property Owner shall request of the Public Works Department in writing to vacate any existing water line easements, previously dedicated to the City of Huntington Beach that will no longer be needed. The Property Owner shall provide to the Public Works Department all necessary legal descriptions and exhibits to describe the water line easements to be abandoned. (ZSO 230.84)

4. A Hydrology and Hydraulics Report shall be submitted for Public Works review and approval (10, 25, and 100-year storms shall be analyzed). The drainage improvements shall be designed and constructed as required by the Department of Public Works to mitigate impact of increased runoff due to development, or deficient, downstream systems. Design of all necessary drainage improvements shall provide mitigation for all rainfall event frequencies up to a 100-year frequency. The Hydrology and Hydraulic Report shall include, but not be limited to facilities sizing, limits of attenuation, downstream impacts and other related design features. Runoff shall be limited to existing 25-year flows, which must be established in the hydrology study. If the analyses shows that the City's current drainage system cannot meet the volume needs of the project runoff, the developer shall be required to attenuate site runoff to an amount not to exceed the existing 25-year storm as determined by the hydrology study. As an option, the developer may choose to explore low-flow design alternatives,

onsite attenuation or detention, or upgrade the City's storm water system to accommodate the impacts of the new development, at no cost to the City. (ZSO 230.84)

5. A sewer study shall be prepared and submitted to the Public Works Dept. for review and approval. A fourteen (14)-day or longer flow test data shall be included in the study. The location and number of monitoring test sites shall be determined by the Public Works Department. The sanitary sewer system shall be designed and constructed to serve the development, including any offsite improvements necessary to accommodate any increased flow associated with the project. (ZSO 230.84/MC 14.36.010)

6. Prior to the issuance of any grading or building permits for projects that will result in soil disturbance of one or more acres of land, the applicant shall demonstrate that coverage has been obtained under the Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ) [General Construction Permit] by providing a copy of the Notice of Intent (NOI) submitted to the State of California Water Resources Control Board and a copy of the subsequent notification of the issuance of a Waste Discharge Identification (WDID) Number. Projects subject to this requirement shall prepare and implement a Stormwater Pollution Prevention Plan (SWPPP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements shall be submitted to the Department of Public Works for review and acceptance. A copy of the current SWPPP shall be kept at the project site and another copy to be submitted to the City. (DAMP)

7. A Project Water Quality Management Plan (WQMP) conforming to the current Waste Discharge Requirements Permit for the County of Orange (Order No. R8-2009-0030) [MS4 Permit] prepared by a Licensed Civil Engineer, shall be submitted to the Department of Public Works for review and acceptance. The WQMP shall address Section XII of the MS4 Permit and all current surface water quality issues.

8. The project WQMP shall include the following:

   a. Low Impact Development.

   b. Discusses regional or watershed programs (if applicable).

   c. Addresses Site Design BMPs (as applicable) such as minimizing impervious areas, maximizing permeability, minimizing directly connected impervious areas, creating reduced or "zero discharge" areas, and conserving natural areas.

   d. Incorporates the applicable Routine Source Control BMPs as defined in the Drainage Area Management Plan. (DAMP)

   e. Incorporates Treatment Control BMPs as defined in the DAMP.

   f. Generally describes the long-term operation and maintenance requirements for the Treatment Control BMPs.

   g. Identifies the entity that will be responsible for long-term operation and maintenance of the Treatment Control BMPs.

   h. Describes the mechanism for funding the long-term operation and maintenance of the Treatment Control BMPs.

   i. Includes an Operations and Maintenance (O&M) Plan for all structural BMPs.

   j. After incorporating plan check comments of Public Works, three final WQMPs (signed by the owner and the Registered Civil Engineer of record) shall be submitted to Public Works for acceptance. After acceptance, two copies of the final report shall be returned to applicant for

the production of a single complete electronic copy of the accepted version of the WQMP on CD media that includes:

i. The 11" by 17" Site Plan in .TIFF format (400 by 400 dpi minimum).

ii. The remainder of the complete WQMP in .PDF format including the signed and stamped title sheet, owner's certification sheet, Inspection/Maintenance Responsibility sheet, appendices, attachments and all educational material.

k. The applicant shall return one CD media to Public Works for the project record file.

9. Indicate the type and location of Water Quality Treatment Control Best Management Practices (BMPs) on the Grading Plan consistent with the Project WQMP. The WQMP shall follow the City of Huntington Beach; Project Water Quality Management Plan Preparation Guidance Manual dated June 2008. The WQMP shall be submitted with the first submittal of the Grading Plan.

10. In complexes larger than 100 dwelling units where car washing is allowed, a designated car wash area that does not drain to a storm drain system shall be provided for common usage. Wash water from this area may be directed to the sanitary sewer (upon approval by the Orange County Sanitation District), to an engineered infiltration system, or to an equally effective alternative. Pre-treatment may also be required. (DAMP)

11. A suitable location, as approved by the City, shall be depicted on the grading plan for the necessary trash enclosure(s). The area shall be paved with an impervious surface, designed not to allow run-on from adjoining areas, designed to divert drainage from adjoining roofs and pavements diverted around the area, and screened or walled to prevent off-site transport of trash. The trash enclosure area shall be covered or roofed with a solid, impervious material. Connection of trash area drains into the storm drain system is prohibited. If feasible, the trash enclosure area shall be connected into the sanitary sewer. (DAMP)

12. A detailed soils and geological/seismic analysis shall be prepared by a registered engineer. This analysis shall include on-site soil sampling and laboratory testing of materials to provide detailed recommendations for grading, over excavation, engineered fill, dewatering, settlement, protection of adjacent structures, chemical and fill properties, liquefaction, retaining walls, streets, and utilities. (MC 17.05.150)

13. The applicant's grading/erosion control plan shall abide by the provisions of AQMD's Rule 403 as related to fugitive dust control. (AQMD Rule 403)

14. The name and phone number of an on-site field supervisor hired by the developer shall be submitted to the Planning and Public Works Departments. In addition, clearly visible signs shall be posted on the perimeter of the site every 250 feet indicating who shall be contacted for information regarding this development and any construction/grading-related concerns. This contact person shall be available immediately to address any concerns or issues raised by adjacent property owners during the construction activity. He/She will be responsible for ensuring compliance with the conditions herein, specifically, grading activities, truck routes, construction hours, noise, etc. Signs shall include the applicant's contact number, regarding grading and construction activities, and "1-800-CUTSMOG" in the event there are concerns regarding fugitive dust and compliance with AQMD Rule No. 403.

15. The applicant shall notify all property owners and tenants within 300 feet of the perimeter of the property of a tentative grading schedule at least 30 days prior to such grading.

## THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLIED WITH DURING GRADING OPERATIONS:

16. An Encroachment Permit is required for all work within the City's right-of-way. (MC 12.38.010/MC 14.36.030)
17. The developer shall coordinate the development of a truck haul route with the Department of Public Works if the import or export of material in excess of 5000 cubic yards is required. This plan shall include the approximate number of truck trips and the proposed truck haul routes. It shall specify the hours in which transport activities can occur and methods to mitigate construction-related impacts to adjacent residents. These plans must be submitted for approval to the Department of Public Works. (MC 17.05.210)
18. Water trucks will be utilized on the site and shall be available to be used throughout the day during site grading to keep the soil damp enough to prevent dust being raised by the operations. (California Stormwater BMP Handbook, Construction Wind Erosion WE-1)
19. All haul trucks shall arrive at the site no earlier than 8:00 a.m. or leave the site no later than 5:00 p.m., and shall be limited to Monday through Friday only. (MC 17.05)
20. Wet down the areas that are to be graded or that is being graded, in the late morning and after work is completed for the day. (WE-1/MC 17.05)
21. The construction disturbance area shall be kept as small as possible. (California Stormwater BMP Handbook, Construction Erosion Control EC-1) (DAMP)
22. All haul trucks shall be covered or have water applied to the exposed surface prior to leaving the site to prevent dust from impacting the surrounding areas. (DAMP)
23. Prior to leaving the site, all haul trucks shall be washed off on-site on a gravel surface to prevent dirt and dust from leaving the site and impacting public streets. (DAMP)
24. Comply with appropriate sections of AQMD Rule 403, particularly to minimize fugitive dust and noise to surrounding areas. (AQMD Rule 403)
25. Wind barriers shall be installed along the perimeter of the site. (DAMP)
26. All construction materials, wastes, grading or demolition debris and stockpiles of soils, aggregates, soil amendments, etc. shall be properly covered, stored and secured to prevent transport into surface or ground waters by wind, rain, tracking, tidal erosion or dispersion. (DAMP)
27. Existing street tree(s) to be inspected by the City Inspector during removal of concrete and prior to replacement thereof. Tree replacement or root/tree protection, will be specified upon the inspection of the root system. (Resolution 4545)

## THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A BUILDING PERMIT:

28. A Precise Grading Permit shall be issued. (MC 17.05)
29. A drainage fee for the subject development shall be paid at the rate applicable at the time of Building Permit issuance. The current rate of $14,888 per gross acre is subject to periodic adjustments. This project consists of 3.89 gross acres (including its tributary area portions along the half street frontages) for a total required drainage fee of $57,914. City records indicate the previous use on this property never paid this required fee. Per provisions of the City Municipal Code, this one-time fee shall be paid for all subdivisions or development of land. (MC 14.48)

30. The applicable Orange County Sanitation District Capital Facility Capacity Charge shall be paid to the City Department of Public Works. (Ordinance OCSD-40)

**THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF AN ENCROACHMENT PERMIT:**

31. Traffic Control Plans, prepared by a Licensed Civil or Traffic Engineer, shall be prepared in accordance with the latest edition of the City of Huntington Beach Construction Traffic Control Plan Preparation Guidelines and submitted for review and approval by the Public Works Department. (Construction Traffic Control Plan Preparation Guidelines)

**THE FOLLOWING DEVELOPMENT REQUIREMENTS SHALL BE COMPLETED PRIOR TO FINAL INSPECTION OR OCCUPANCY:**

32. Complete all improvements as shown on the approved grading and improvement plans. (MC 17.05)
33. All existing and new utilities shall be undergrounded. This requirement applies to all existing overhead utilities along the project's Bolsa Chica Street frontage, including but not limited to all telephone, electric, and Cable TV lines. If required, easements shall be quitclaimed and/or new easements granted to the corresponding utility companies. (MC 17.64)
34. All applicable Public Works fees shall be paid at the current rate unless otherwise stated, per the Public Works Fee Schedule adopted by the City Council and available on the city web site at http://www.surfcity-hb.org/files/users/public_works/fee_schedule.pdf. (ZSO 240.06/ZSO 250.16)
35. Traffic Impact Fees (TIF) for the project shall be paid prior to final occupancy. The current rate for the project is $1,843.08/unit. Credit is applied based on the prior use(s) of the site. The rate is subject to an annual adjustment. (MC 17.65)
36. Prior to grading or building permit close-out and/or the issuance of a certificate of use or a certificate of occupancy, the applicant shall:
    a. Demonstrate that all structural Best Management Practices (BMPs) described in the Project WQMP have been constructed and installed in conformance with approved plans and specifications.
    b. Demonstrate all drainage courses, pipes, gutters, basins, etc. are clean and properly constructed.
    c. Demonstrate that applicant is prepared to implement all non-structural BMPs described in the Project WQMP.
    d. Provide certifications from the Engineer of Record or Landscape Architect that the LID BMPs were constructed and installed per the approved project plans and specifications. The certifications shall be included in the final WQMP.
    e. Demonstrate that an adequate number of copies of the approved Project WQMP are available for the future occupiers.
    f. Demonstrate that the preparer of the WQMP has reviewed the BMP maintenance requirements in Section V of the WQMP with the responsible person and that a copy of the WQMP has been provided to that person. A certification letter from the WQMP preparer may be used to satisfy this condition.

# CITY OF HUNTINGTON BEACH

PUBLIC WORKS INTERDEPARTMENTAL COMMUNICATION

## COMMENTS ON THE PRELIMINARY WQMP AND HYDROLOGY STUDY

| | |
|---|---|
| **DATE:** | DECEMBER 7, 2021 |
| **PROJECT NAME:** | HUNTINGTON BEACH SENIOR LIVING |
| **ENTITLEMENTS:** | CUP 2021-024, VAR 2021-003 GPA 2021-004, ZMA 2021-003 EA 2021-004 |
| **PLNG APPLICATION NO.** | PA 2021-0185 |
| **DATE OF PLANS:** | OCTOBER 15, 2021 |
| **PROJECT LOCATION:** | 4952 AND 4972 WARNER AVE., 92649 (SOUTHWEST CORNER OF WARNER AVENUE AT BOLSA CHICA STREET) |
| **PROJECT PLANNER:** | HAYDEN BECKMAN, SENIOR PLANNER |
| **PLAN REVIEWER:** | STEVE BOGART, SENIOR CIVIL ENGINEER |
| **TELEPHONE/E-MAIL:** | 714-374-1692 / SBOGART@SURFCITY-HB.ORG |
| **PROJECT DESCRIPTION:** | TO REVIEW CONCEPTUAL PLANS TO AMEND THE GENERAL PLAN AND ZONING TO CONSTRUCT A NEW 5-STORY 290.850 SQ. FT. ASSISTED LIVING/RESIDENTIAL CARE FACILITY AT AN OVERALL HEIGHT OF 64 FT. THAT INCLUDES:<br>- 233 TOTAL RESIDENTIAL CARE UNITS<br>  o 145 INDEPENDENT LIVING<br>  o 60 ASSISTED LIVING<br>  o 28 MEMORY CARE<br>- SUBTERRANEAN PARKING GARAGE WITH 207 PARKING SPACES<br>- TWO INTERIOR COURTYARDS<br>- POOL AND GARDEN AMENITIES |

**THE FOLLOWING ARE PUBLIC WORKS COMMENTS SHALL BE ADDRESSED PRIOR TO THIS REPORT BEING SUBMITTED FOR THE FINAL PW PLAN CHECK OF THIS PROJECT:**

1. TITLE SHEET: fill in all project entitlement numbers (i.e. CUP 2021-024, VAR 2021-003, etc.).
2. SECTION I, (PROJECT INFORMATION): fill in all project permit/application numbers.
3. SECTION I, WATER QUALITY CONDITIONS: List (verbatim) all water quality related code requirements as stated in the Public Works Project Implementation Code Requirements memo, dated December 7, 2021.

**THE FOLLOWING ARE PUBLIC WORKS COMMENTS SHALL BE ADDRESSED PRIOR TO THIS REPORT BEING SUBMITTED FOR THE FINAL PW PLAN CHECK OF THIS PROJECT:**

1. The *PRELIMINARY HYDROLOGY AND HYDRAULIC ANALYSIS* shall include further analysis to identify any necessary mitigation requirement and design for any runoff that exceeds the existing 25-year flows.

2. SECTION 4.3 CONCLUSION: Revise to address the required mitigation of the difference in storm flows between the flow from the 25-year storm (for the site's existing condition) and the flow from the 100-year storm (for the site's redeveloped condition).

# HUNTINGTON BEACH
# FIRE DEPARTMENT

## PROJECT IMPLEMENTATION CODE REQUIREMENTS

| | |
|---|---|
| **DATE:** | DECEMBER 8TH, 2021 |
| **PROJECT NAME:** | SENIOR LIVING FACILITY |
| **RECORD NUMBER:** | DAT-2021-0022 |
| **PROJECT LOCATION:** | 4952 WARNER AVE |
| **PLANNER:** | HAYDEN BECKMAN, SENIOR PLANNER |
| **PLAN REVIEWER-FIRE:** | STEVE EROS, DEPUTY FIRE MARSHAL |
| **TELEPHONE/E-MAIL:** | (714) 536-5531/ steve.eros@surfcity-hb.org |

**PROJECT DESCRIPTION:** 236 unit, five-story, senior living development. Note that this project also includes the adjacent parcel at 4972 Warner Ave.

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The following is a list of code requirements deemed applicable to the proposed project based on plans stated above. The list is intended to assist the applicant by identifying requirements which must be satisfied during the various stages of project permitting and implementation. A list of conditions of approval adopted by the Planning Commission in conjunction with the requested entitlement(s), if any, will also be provided upon final project approval. If you have any questions regarding these requirements, please contact the Plan Reviewer.

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**PRIOR TO DEMOLITION, GRADING, SITE DEVELOPMENT, ISSUANCE OF GRADING PERMITS, BUILDING PERMITS, AND/OR CONSTRUCTION, THE FOLLOWING SHALL BE REQUIRED:**

## 1. Fire Master Plan

**The Fire Master Plan shall be completed and approved prior to precise grading plan or building plan approval.**

A separate Fire Master Plan is required for submittal to the HBFD. It shall be a site plan reflecting all the following fire department related items:

- Fire hydrant locations, public and private.
- FDC locations.
- Dimensions from FDC's to hydrants.
- DCDA locations.
- Fire sprinkler riser locations and location of system serving.
- FACP locations.
- Knox box and knox switch locations.

- Gate locations, and opticoms if required.
- Fire lane locations, dimensions, lengths, turning radii at corners and circles/cul-de-sacs
- Fire lane signage and striping.
- Property dimensions or accurate scale.
- Building locations and heights.
- Building addresses and suite addresses. **(FD)**

## 2. Environmental

***City Specification # 429 and 431-92 Soil Clean-Up Standards testing is required***. Due to the site having a former LUST case on site and a former oil well is located roughly 300 feet from the site, the HBFD will require soil testing conforming to City Specification # 429 and 431-92 Soil Clean-Up Standards is required.

> All soils shall conform to City Specification #429 and 431-92 Soil Clean-Up Standards prior to the issuance of a building permit. Building plans shall reference that "All soils shall conform to City Specification # 431-92 Soil Clean-Up Standards" in the plan notes.

***Imported Soil Plan*.** All imported soil shall meet *City Specification #431-92, Soil Cleanup Standards.* An "Imported Soil Work Plan" must be submitted to the Fire Department for review and approval prior to importing any soil from off site. Once approved, the soil source can be sampled per the approved work plan, then results sent to the HBFD for review. No rough grade will be approved prior to the actual soil source approval. Multiple soil sources required separate sampling as per the approved work plan, with no soil being imported until each source has been verified to meet the CS #431-92 requirements. **(FD)**

## 3. Fire Apparatus Access

**The following items shall be completed prior to rough or precise grading plan approval.**

***Fire Access Roads*** shall be provided and maintained in compliance with City Specification # 401, *Minimum Standards for Fire Apparatus Access*. Driving area shall be capable of supporting a fire apparatus (75,000 lbs and 12,000 lb point load). Minimum fire access road width is twenty-four feet (24') wide, with thirteen feet six inches (13' 6") vertical clearance. Fire access roads fronting commercial buildings shall be a minimum width of twenty-six feet (26') wide, with thirteen feet six inches (13' 6") vertical clearance. For Fire Department approval, reference and demonstrate compliance with City Specification # 401 *Minimum Standards for Fire Apparatus Access* on the plans. **(FD)**

**HBFD Note: The proposed fire department access lane on the south side of the property shows the use of turf block in the fire access lane. The HBFD will need to review and approve the turf block material to verify that this is an acceptable material. Submit the specifications for the turf block for HBFD review.**

***Maximum Grade for Fire Apparatus Access Roads*** shall not exceed 10%. **(FD)**

***No Parking*** shall be allowed in the designated 24 foot wide fire apparatus access road or supplemental fire access per City Specification # 415. For Fire Department approval, reference and demonstrate compliance with City Specification # 415 *Minimum Standards for Fire Apparatus Access* on the plans. **(FD)**

***Fire Lanes***, as determined by the Fire Department, shall be posted, marked, and maintained per City Specification #415, *Fire Lanes Signage and Markings on Private, Residential, Commercial and Industrial Properties*. The site plan shall clearly identify all red fire lane curbs, both in location and length of run. The location of fire lane signs shall be depicted. No parking shall be allowed in the designated 24 foot wide fire apparatus access road or supplemental fire access per City Specification # 415. For Fire Department approval, reference and demonstrate compliance with City Specification # 401 *Minimum Standards for Fire Apparatus Access* on the plans. **(FD)**

**Emergency Escape and Rescue openings** shall not be required as the plans indicate the construction type to be 1-B. Since this facility is constructed of non-combustible material, emergency escape windows are not required.

## 4. Fire Suppression Systems

**The following items shall be completed prior to issuance of a certificate of occupancy.**

***Fire Extinguishers*** shall be installed and located in all areas to comply with Huntington Beach Fire Code standards found in *City Specification #424.* The minimum required dry chemical fire extinguisher size is 2A 10BC and shall be installed within 75 feet travel distance to all portions of the building. Extinguishers are required to be serviced or replaced annually. **(FD)**

***Fire Alarm System*** is required. A building fire alarm system is required. For Fire Department approval, shop drawings shall be submitted to the Fire Department as separate plans for permits and approval. For Fire Department approval, reference and demonstrate compliance with CFC Chapter 9 and NFPA 72 on the plans. A C-10 electrical contractor, certified in fire alarm systems, must certify the system is operational annually. **(FD)**

***Automatic Fire Sprinklers*** are required. NFPA13 Automatic fire sprinkler systems are required per Huntington Beach Fire Code for new buildings with “fire areas” 5000 square feet or more or for buildings 10,000 square feet or more. An addition of square footage to an existing building also triggers this requirement.

Separate plans (two sets) shall be submitted to the Fire Department for permits and approval.

Automatic fire sprinkler systems must be maintained operational at all times, with maintenance inspections performed quarterly and the system serviced every five years by a state licensed C-16 Fire Protection Contractor.

For Fire Department approval, reference that a fire sprinkler system will be installed in compliance with the California Fire Code, NFPA 13, and City Specification # 420 - *Automatic Fire Sprinkler Systems* in the plan notes.

**NOTE:** When buildings under construction are more than one (1) story in height and required to have automatic fire sprinklers, the fire sprinkler system shall be installed and operational to protect all floors lower than the floor currently under construction. Fire sprinkler systems for the current floor under construction shall be installed, in-service, inspected and approved prior to beginning construction on the next floor above. Exception: Buildings entirely of Type 1 or Type 2 construction. **(FD)**

***Fire Department Connections (FDC)*** to the automatic fire sprinkler systems shall be located to the front of the building, at least 10 feet from and no farther than 100 feet of a properly rated fire hydrant. **(FD)**

***Class 1 Standpipes*** (2 ½" NFH connections) are required at each stairway. The standpipe system in stairwells cannot protrude into, impede, or compromise the CBC "Exit Width" requirements. For Fire Department approval, reference and portray Class 1 standpipes at each stairway in the plan notes. **(FD)**

***Commercial Food Preparation Fire Protection System*** required for commercial cooking. Plans (three sets) shall be submitted to the Fire Department as separate plans for permits and approval. Reference compliance with CFC Chapter 9 and *City Specification # 412 Protection Of Commercial Cooking Operations* in the plan notes. **(FD)**

***Smoke alarms and Carbon Monoxide alarms*** are required per CBC and CFC Sections 907.2.11 and 915, respectively.

***Emergency Responder Radio Coverage*** is required throughout all portions of the structure(s) as per Chapter 5 of the CFC. A separate plan must be submitted to the HBFD for method of addressing this requirement. System must be tested, certified and then inspected once building construction is primarily complete but before the certificate of occupancy will be issued. **(FD)**

## 5. Fire Hydrants and Water Systems

**The following items shall be completed prior to issuance of a certificate of occupancy.**

***Private Fire Hydrants*** are required. Hydrants must be portrayed on the site plan. Hydrants shall be installed and in service **before** combustible construction begins. Installation of hydrants and service mains shall meet NFPA 13 and 24, 2013 Edition, Huntington Beach Fire Code Appendix B and C, and City Specification # 407 Fire Hydrant Installation Standards requirements. Private fire hydrants shall not be pressurized by Fire Department Connections to the sprinkler system. The system design shall ensure that recirculation of pressurized water from the hydrant, thru the FDC and back through the sprinkler system supply to the hydrant does not occur. Installation of the private fire service main, including fire department connections, shall meet NFPA 13 and 24, 2013 Edition requirements. Maximum allowed velocity of fire flow in supply piping is 12 fps. The maintenance of private fire hydrants is the responsibility of the owner or facility association. Shop drawings shall be submitted to and approved by the Fire Department. For Fire Department approval, portray the fire hydrants and reference compliance with City Specification #407 Fire Hydrant Installation Standards in the plan notes. **(FD)**

**HBFD Note: Private hydrants are required when the fire access lanes exceed 150 feet onto the parcel.**

***Connection to the Public Water Supply*** - Separate plans shall be submitted to the Public Works Department detailing the connection, piping, valves and back-flow prevention assembly (DDCA) for approval and permits. Approval by Public Works and the Fire Department must be completed prior to issuance of a grading permit. The dedicated private fire water service off-site improvements shall be shown on a precise grading plan, prepared by a Licensed Civil Engineer. **(FD)**

## 6. Fire Personnel Access

***Main Secured Building Entries*** shall utilize a KNOX® Fire Department Access Key Box, installed and in compliance with City Specification #403, Fire Access for Pedestrian or Vehicular Security Gates & Buildings. Please contact the Huntington Beach Fire Department Administrative Office at (714) 536-5411 for information. Reference compliance with City Specification #403 - KNOX® Fire Department Access in the building plan notes. **(FD)**

***Roof Access*** is required. At least one stair shall extend to the roof from grade level and have an exterior door available for fire fighter access. **(FD)**

***Fire Sprinkler System Controls*** access shall be provided, utilizing a KNOX® Fire Department Access Key Box, installed and in compliance with City Specification #403, Fire Access for Pedestrian or Vehicular Security Gates & Buildings. The approximate location of the system controls shall be noted on the plans. Reference compliance in the plan notes. (FD)

***Elevators*** shall be sized to accommodate an ambulance gurney. Minimum interior dimensions are 7 feet (84”) wide by 4 feet 3 inches (51”) deep. Minimum door opening dimensions are 3 feet 6 inches (42”) wide right or left side opening. Center opening doors

require a 4 feet 6 inches (54”) width. For Fire Department approval, reference and demonstrate compliance on the building plans. **(FD)**

## 7. Addressing and Street Names

**The following items shall be completed prior to issuance of a certificate of occupancy.**

***Structure or Building Address Assignments.*** The Planning Department shall review and make address assignments. The individual dwelling units shall be identified with numbers per City Specification # 409 Street Naming and Address Assignment Process. For Fire Department approval, reference compliance with City Specification #409 Street Naming and Address Assignment Process in the plan notes. **(FD)**

# 8. Building Construction

**The following items shall be completed prior to issuance of a certificate of occupancy.**

***Emergency Responder Radio Coverage*** is required throughout all portions of the structure(s) as per Chapter 5 of the CFC. A separate plan must be submitted to the HBFD for method of addressing this requirement. System must be tested, certified and then inspected once building construction is primarily complete but before the certificate of occupancy will be issued. **(FD)**

***Stairwell Required Minimum Widths****.* Standpipe systems in stairwell areas shall not impede code required minimum widths. **(FD)**

***Fire Control Room* required.** Provide a dedicated room for the Fire Department to observe and monitor all systems operations from an integrated annunciator panel. They shall be located in an exterior location that is at grade level and has clear-to-the sky access. **(FD)**

***Exit Signs And Exit Path Markings*** will be provided in compliance with the Huntington Beach Fire Code and Title 24 of the California Administrative Code. Reference compliance in the plan notes. **(FD)**

***Gates and Barriers*** shall be able to open without the use of a key or any special knowledge or effort. Gates and barriers in a means of egress shall not be locked, chained, bolted, barred, latched or otherwise rendered unable to open at times when the building or area served by the means of egress is occupied, and shall swing in the direction of travel when required by the Building Code for exit doors. **(FD)**

***Posting Of Room Occupancy*** is required. Any room having an occupant load of 50 or more where fixed seats are not installed, and which is used for assembly purposes, shall

have the capacity of the room posted in a conspicuous place near the main exit per CFC Chapter 10. **(FD)**

***Egress Illumination/Emergency Exit Lighting*** with emergency back-up power is required. Provide means of egress illumination per HBFC 604.2.4 and UBC 1003.2.9. **(FD)**

***Exit Ways and Aisles Plan*** is required for this project. HBFC section 408.2.1.Plans shall be submitted indicating the seating arrangement, location and width of exit ways and aisles for approval and an approved copy of the plan shall be kept on display on the premises. **(FD)**

**THE FOLLOWING CONDITIONS SHALL BE MAINTAINED DURING CONSTRUCTION:**

a. Fire/Emergency Access And Site Safety shall be maintained during project construction phases in compliance with CFC Chapter 33, Fire Safety During Construction And Demolition. **(FD)**

**OTHER:**

a. Discovery of additional soil contamination or underground pipelines, etc., must be reported to the Fire Department immediately and the approved work plan modified accordingly in compliance with City Specification #431-92 Soil Clean-Up Standards. **(FD)**

b. Outside City Consultants The Fire Department review of this project and subsequent plans may require the use of City consultants. The Huntington Beach City Council approved fee schedule allows the Fire Department to recover consultant fees from the applicant, developer or other responsible party. **(FD)**

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Fire Department City Specifications may be obtained at:

Huntington Beach Fire Department Administrative Office

City Hall 2000 Main Street, 5th floor

Huntington Beach, CA 92648

or through the City's website at **www.surfcity-hb.org**

If you have any questions, please contact the Fire Prevention Division at (714) 536-5411.

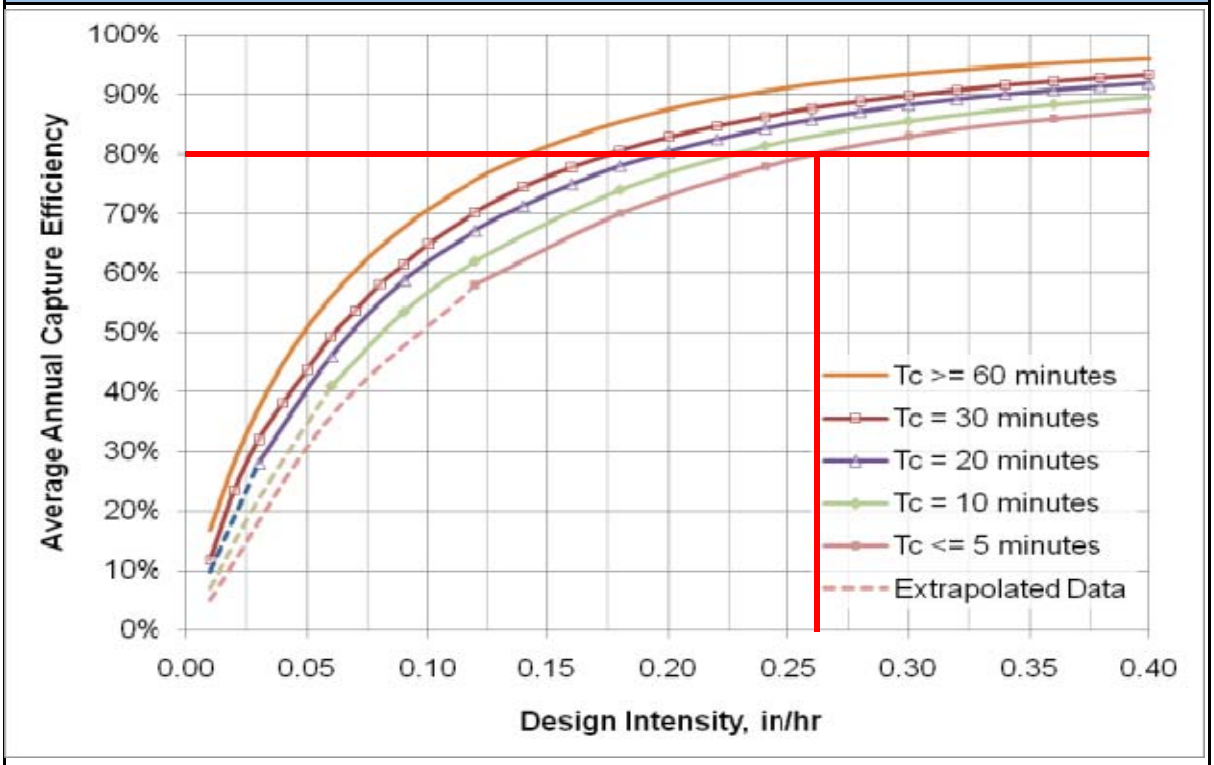
# Attachment F:
# BMP Sizing Calculations and Documentation

| Simple Design Capture Volume | | | | |
|---|---|---|---|---|
| **SIMPLE DCV WORKSHEET** | | **Drainage Management Area (DMA):** | | **DMA A** |
| | | **Area:** | **122,392** | **sq. ft.** |
| ***Calculate Design Storm Volume*** | | | | |
| 1 | Enter design capture storm depth, *d* (inches) | d= | 0.750 | inches |
| 2a | Enter the combined effect of provided HSCs, $d_{HSC}$ (inches) (based on Worksheet 4) | $d_{HSC}$= | 0 | inches |
| 2b | Calculate the remainder of the design capture storm depth, $d_{remainder} = d - d_{HSC}$ | $d_{remainder}$= | 0.750 | inches |
| 3a | Enter DMA area tributary to BMP(s), A (acres) excluding any self-retaining areas | A= | 2.81 | acres |
| 3b | Enter DMA Imperviousness, imp (unitless) after removal of self-retaining areas | imp= | 90 | % |
| 3c | Calculate runoff coefficient, $C = (0.75 \times imp) + 0.15$ | C= | 0.825 | |
| 3d | Calculate runoff volume, DCV = $(C \times d_{remainder} \times A \times 43560 \times (1/12))$ (See Section E.2.2) | DCV= | **6,311** | cu. ft. |

| Worksheet D: Capture Efficiency Method for Flow-Based BMPs | | | | |
|---|---|---|---|---|
| | | Drainage Management Area: | DMA A | |
| | | BMP ID: | 1 | |
| ***Step 1: Determine the design storm intensity of the flow-based BMP*** | | | | |
| 1 | Enter the time of concentration, Tc (min) (See Appendix IV.2) | Tc= | 5 | min |
| 2 | Using Figure III.4, determine the design intensity at which the estimated time of concentration (Tc) achieves 80% capture efficiency, $I_1$ | $I_1$= | 0.26 | in/hr |
| 3 | Enter the effect depth of provided HSCs upstream, $d_{HSC}$ (inches) (Worksheet A) | $d_{HSC}$= | 0.00 | inces |
| 4 | Enter capture efficiency corresponding to upstream $d_{HSC}$, $Y_2$ (Worksheet A) | $Y_2$= | 0.00 | % |
| 5 | Using Figure III.4, determine the design intensity at which the time of concentration (Tc) achieves the upstream capture efficiency ($Y_2$), $I_2$ | $I_2$= | 0.00 | in/hr |
| 6 | Determine the design intensity that must be provided by BMP to achieve 80 percent capture, $I_{design}= I_1-I_2$ | $I_{design}$= | 0.26 | in/hr |
| ***Step 2: Calculate the design flowrate*** | | | | |
| 1 | Enter DMA area tributary to BMP(s), A (acres) | A= | 2.81 | acres |
| 2 | Enter DMA Imperviousness, imp (unitless) | imp= | 90 | % |
| 3 | Calculate runoff coefficient, C = (0.75 x imp) + 0.15 | C= | 0.825 | |
| 4 | Calculate design flowrate, $Q_{design}= (c \times I_{design} \times A)$ | Qdesign= | **0.60** | cfs |
| ***Supporting Calculations*** | | | | |
| Describe system: | | | | |
| Provide time of concentration assumptions:<br>Assumed a Tc of 5 minutes. | | | | |

**Worksheet D: Capture Efficiency Method for Flow-Based BMPs**

***Graphical Operations***




Provide supporting graphical operations in figure above.

*C = (0.75 x %imp) + 0.15*

*DCV = C*d*A*(1/12)*43,560*

*DDp = (dp/Kmedia) * 12(in/ft)*

*d(filtered)=[K(media)*T(routing)]/12*

*A = DCV/(dp+d(filtered))*

| BIO-1 Stormwater Planter | | |
|---|---|---|
| **Runoff Volume, V (cf)** | V= | 6311 |
| **Kmedia (in/hr)** | K(media)= | 2.5 |
| **Surface Ponding Depth (ft)** | dp= | 1.0 |
| **Time to Drain (hours)** | DDp= | 4.8 |
| **Storm Routing Duration (hours)** | T(routing)= | 3 |
| **Depth of Filtered Water** | d(filtered)= | 0.625 |
| **Required Bioretention Area (sf)** | A(bio)= | **3884** |

# Attachment G:
# Soils Report

26 July 2021

Mr. Ben Morrison
Hines
444 S. Flower Street, Suite 2100
Los Angeles, California 90071

**Re: Preliminary Geotechnical Investigation Report**
**Senior Housing Development**
**Huntington Beach, California**
**Langan Project No.: 700101401**

Dear Mr. Morrison:

As requested by Hines and in accordance with our 'Proposal for Geotechnical Services Engineering Services,' of 25 May 2021, Langan Engineering and Environmental Services, Inc., (LANGAN) has completed a preliminary geotechnical engineering investigation in support of your due diligence for site acquisition and development of the property at the southwest corner (SWC) of Warner Avenue and Bolsa Chica Street, Huntington Beach, California.

This letter report presents a summary of the items listed below:

- Our understanding of the existing site conditions and the proposed development,
- Geological and geotechnical information publicly available,
- Subsurface investigation,;
- Anticipated geologic conditions and seismic hazards, and
- Our preliminary comments and recommendations regarding the geotechnical feasibility and construction considerations for the proposed development.

Our recommendations were prepared in accordance with the 2019 California Building Code (CBC) and Orange County Geotechnical Guidelines.

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## PROJECT OVERVIEW

### Existing Site Description

The Site is an approximately 3.1 acre site on the SWC of Warner Avenue and Bolsa Chica Street, in Huntington Beach. The site is currently occupied by a two story wood frame commercial buildings and at grade parking. The Site is surrounded by housing developments on the west, a commercial development on the south, Warner Avenue to the north, and Bolsa Chica Street to the east (Figure 1).

### Proposed Development

Based on your email dated 19 May, 2021, we understand the proposed development is a five-story apartment building on top of a one level basement parking garage. The site is currently divided into two Parcels based on the provided ALTA/NSPS Land Title Survey document.

## AVAILABLE INFORMATION REVIEW

Information that LANGAN reviewed included reports, maps, and other publicly available information from the United States Geological Survey (USGS), California Geological Survey (CGS), City of Huntington Beach, Federal Emergency Management Agency (FEMA), and our files.

A summary of the available information reviewed is provided in the sections below.

### Regional and Local Geology

The site is situated along the southwesterly margin of the Orange County Coastal Plain, a relatively broad lowland area that was formed through alluvial aggradations and the formation of coalescing alluvial fans which were deposited along the ancestral Santa Ana River during late Quaternary time. The Coastal Plain is bounded on the northeast by an alignment of highland areas and foothills (including the Puente and Coyote Hills), and on the southwest by a succession of low coastal hills and mesas that are topographic expressions of deformation along the Newport-Inglewood structural zone. Between these coastal topographic highs occur a total of six gaps through which continuations of the central lowland extend to the Pacific Ocean shoreline.

Published regional geologic information indicates that the subject site is underlain by old shallow marine (terrace) deposits (map symbol Qom, Saucedo et al, 2016). These deposits are reportedly late to middle Pleistocene in age. The terrace deposits are in turn underlain by marine and littoral sedimentary bedrock of the Lakewood and San Pedro Formations.

The referenced literature indicates that the old shallow marine deposits beneath the site consist generally of poorly sorted, moderately permeable, reddish-brown, interfingered strandline, beach, estuarine, and colluvial deposits.

### Geologic Hazards Review

Our geologic hazard review was performed in general accordance with CGS Special Publication 117A, "Guidelines for Evaluating and Mitigating Seismic Hazards in California" (2008). The following subsections present the results of our hazard review.

<u>Regional Faulting</u>

Recognized and mapped faults that are located within a 100-kilometer (km) radius of the site, according to the "2014 USGS National Seismic Hazards Maps," are shown on Figure 2. The closest known fault to the site is the Newport-Inglewood alt 2 approximately 0.84 miles east of the site. The next closest faults are the Newport-Inglewood alt 1 Fault approximately 1.03 miles north of the site and the Compton Fault approximately 4.1 miles north of the site.

The site is in an active seismic area that has historically been affected by generally moderate to occasionally high levels of ground motion. Therefore, the proposed development will probably experience moderate to occasionally high levels of ground motion from nearby faults and other active seismic areas of the southern California region. A summary of the reported earthquake events are provided in Appendix A.

<u>Regional Seismicity</u>

A search of the Uniform California Earthquake Rupture Forecast (UCERF3), accessed on 07 July 2021, using a web-based Earthquake Archive Search and URL Builder tool, found that 55 earthquakes with magnitudes greater than 5.0 have occurred within a 100-km radius of the site since 1900. A summary of the reported earthquake events are provided in Appendix A.

<u>Surface Rupture</u>

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Earthquake Fault Zones are regulatory zones delineated by CGS around active faults with the potential to cause surface rupture. The zones average approximately ¼-mile wide. A review of the Seismic Hazard Zone Map with the Earthquake Zones Map of Required Investigation revised on 1 January 2018 and the 2017 "City of Huntington Beach Geologic Hazards" indicates that the site is not within a mapped, currently established Alquist-Priolo Special Study Zone or a Fault Rupture Study Area (Figure 3).

Liquefaction

Liquefaction is a transformation of soil from a solid to a liquefied state during which saturated soil temporarily loses shear strength resulting from the buildup of excess pore-water pressure, especially during earthquake-induced cyclic loading. Flow failure, lateral spreading, differential settlement, loss of bearing, ground fissures, and sand boils are evidence of excess pore-pressure generation and liquefaction. Soil susceptible to liquefaction includes loose to medium-dense sands and gravels, low-plasticity silts, and some low-plasticity clay deposits below the groundwater table. According to Seismic Hazard Zone Report 020 and the 2017 "City of Huntington Beach Geologic Hazards" map, the site is mapped, in a "low" liquefaction-potential investigation zone (Figure 3).

Landslides

A review of the 2017 "City of Huntington Beach Geologic Hazards" map and Seismic Hazard Zone Report 020 indicates that the site is not within a mapped, currently established zone of landslide occurrences or areas of significant grading (Figure 3).

Historical High Groundwater

As noted above, the presence of groundwater may increase the susceptibility to liquefaction for loose to medium granular soils, low-plasticity silts and some clays when subjected to sufficient ground shaking. The Seismic Hazard Zone Report 020 indicates that the site's historically highest groundwater is approximately 30 feet below existing grade (Figure 4).

Seismically-Induced Ground Deformations

Seismically induced ground deformations include ground-surface settlement and differential settlement resulting from liquefaction-induced ground deformation and cyclic densification of unsaturated sands and gravels from earthquakes. As discussed above, the site is not within a mapped liquefaction-hazard investigation zone. Therefore, liquefaction-induced settlement of soils below the groundwater table is not an anticipated hazard. Based on subsurface condition, cyclic densification of dry sands above the groundwater is not anticipated seismic hazard at the site.

Lateral Spreading

Lateral spreading is a phenomenon in which surficial soil displaces along a shear zone that has formed within an underlying liquefied layer. The surficial blocks are transported downslope or in the direction of a free face, such as a slope, by earthquake and gravitational forces. Lateral spreading is not anticipated at this site.

Flood Mapping

A review on the FEMA Flood Insurance Rate Map (FIRM) Number 06059C0233K (21 March 2019) indicates that the site is within Zone X, defined as an "area of minimal flood hazard" (Figure 5).

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Additionally, the 2017 City of Huntington Beach Local Hazard Mitigation Plan indicates that the site is outside the flood zone.

Tsunami and Seiche

A tsunami is a long, high sea wave based by an earthquake, submarine landslide, or other disturbances. A seiche is an oscillation of surface water in an enclosed or semi-enclosed basin such as a lake, bay, or harbor. According to information and maps available from CGS and the City of Huntington Beach Tsunami Inundation Zone, the site is not within a mapped tsunami-inundation hazard zone or flood-control basin (Figure 6).

Subsidence

Land subsidence may be induced from withdrawal of oil, gas, or water from wells. According to the City of Huntington Beach Local Hazard Mitigation Plan (2017), the site is located in a zone of approximately -0.1 to -0.2 inches of subsidence per year (Figure 7). The 2017 report also details, "subsidence has occurred underneath both the Murdy Fire Station and the City Corporation Yard, resulting in damage to the structures and to outdoor areas (City of Huntington Beach 2012). While subsidence remains an issue of concern in the community, it has slowed from previous levels. According to a 1987 report, some parts of Huntington Beach had sunk by 6 feet over a 60-year period, an average of 1.2 inches each year (Billiter 1990). This is 50 percent more than the fastest subsidence observed recently." Therefore, the site is considered to be subject to land subsidence from oil, gas, or water withdrawal from oil wells and design should take into account the subsidence rates.

Expansive Soils

Expansive soils occur when the moisture content in the soil causes swelling or shrinking as a result of cyclic wet/dry weather cycles, installation of irrigation systems, change in landscape plantings, or changes in grading. Swelling and shrinking soils can result in differential movement of structures including floor slabs and foundations, and site work including hardscape, utilities, and sidewalks. The 2019 CBC defines potentially expansive soils as soils with expansion indices (EI) greater than 20. Additional information and recommendations are included in our Preliminary Geotechnical Evaluations section of this report.

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## SUBSURFACE INVESTIGATION

### Geotechnical Exploration

Our geotechnical subsurface exploration program consisted of three hollow-stem auger (HSA) borings (identified as LB-1, LB-2, and LB-3) where LB-2 was drilled to approximately 51.5 feet and LB-1 to approximately 38 feet, and LB-3 were drilled to approximately 36.5 feet. Prior to drilling, the boring location was marked out by a LANGAN field engineer. Underground Service Alert of Southern California (USA/DigAlert) was contacted to locate and mark known public underground utilities within the public right-of-way. A private utility-locating subcontractor also confirmed that the boring locations were clear of conductive underground utilities. Refer to Figure 8 for approximate boring location.

Borings LB-1, LB-2 and LB-3 were drilled by Martini Drilling, on 25 June 2021 using a truck-mounted drill rig under the full-time observation of a Langan field engineer. The boring was hand-augered to a depth of approximately 5 feet and subsequently advanced with the drill rig using

conventional drilling techniques. Standard Penetration Tests (SPT)[1] and California Modified Ring sampling were generally performed at 5-foot intervals until boring termination depth, following the guidelines of ASTM D1586 and ASTM D3550. California Modified Ring samples were collected at select locations using a 3.0-inch-outer-diameter split-barrel California sampler lined with 2.42-inch-inner-diameter brass rings. SPT N-values were recorded to identify the relative density and stiffness of the cohesionless and cohesive soils, respectively.

Upon completion, the boring was backfilled via tremie method with cement-grout slurry to near ground surface, and the surface was patched with quick-dry set concrete. Excess soil cuttings generated during drilling were temporarily stored on site in Department of Transportation (DOT) approved 55-gallon drums for subsequent characterization and disposal. Excess soil cuttings encountered are pending characterization and disposal.

Retrieved soil samples were visually examined and classified in the field following the Unified Soil Classification System (USCS) and confirmed by re-examination in our office. A copy of the boring logs is provided in Appendix B.

### Laboratory Testing

Select representative soil samples retrieved from the borings were delivered to a geotechnical laboratory to determine the sample's physical and engineering index properties. Our laboratory test program included the following analyses:

- Moisture Content (ASTM D2216)
- Unit Weight (ASTM D7623)
- Direct Shear (ASTM D3080)
- Expansion Index (ASTM D4829)
- Percent Fines (ASTM D1140)
- Corrosion Testing (pH, sulfate, chloride, minimum resistivity)

Copies of the laboratory test results are provided in Appendix C.

## SUBSURFACE CONDITIONS

Based on our field investigation and interpretation of laboratory tests, the site is generally underlain by fill underlain by alluvial deposits. Details of the subsurface conditions encountered in our boring are summarized below.

- **Fill:** LB-1 was measured to have 3 inches of asphalt and 8 inches of aggregate base, LB-2 was measured to have 1.5-inches of asphalt and 5.5 inches of aggregate base, and LB-3 was measured to have 2.5 inches of asphalt and 4.5 inches of aggregate base. Below the asphalt, we encountered up to 8 feet of undocumented fill, consisting of clay with varying amounts of fine sand and gravel.
- **Terrace Deposits:** Terrace deposits were encountered in LB-1through LB-3 to the maximum explored depth of 51.5 feet, consisting of medium dense to dense fine sands with varying amounts of silts and clays extending to about 23 to 25 feet below ground surface. Beneath the sand was firm to very stiff clay with trace fine sands extending to

[1] The Standard Penetration Test is a measure of the soil density and consistency. The SPT N-value is defined as the number of blows required to drive a 2-inch outer diameter split-barrel sampler 12-inches, after an initial penetration of 6 inches, using a 140-pound automatic hammer free falling of a height of 30 inches (ASTM D1586).

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approximately to 35' on LB-1 and LB-3. Under the LB-1 and LB-3 clay layer, the final samples encountered medium dense to dense fine sand with some clay. LB-2, however, encountered medium dense sand layers with varying levels of silt and clay closer to the surface in the 30' and 35' samples. Beneath these sand layers a stiff clay layer with some fine sand extended to approximately 51 feet below the ground surface. A medium dense sand layer with some clay was encountered at the bottom of the last sample at 51 feet. The upper sandy samples had SPT blow counts between 10 and 29 with a higher value of 74 blows for 11.5 inches in LB-2. The middle clay layer had SPT blowcounts of 9 to 37. The middle sandy layers in LB-2 had blowcounts of 18 to 33. The lower clay layers in LB-2 had blowcounts of 14 to 24.

- **Groundwater:** Groundwater was first encountered at the depth of 46.2 feet and measured 15 minutes later at 44.7 feet below grade on LB-2. Groundwater was not detected on LB-1 and LB-3.

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## PRELIMINARY GEOTECHNICAL EVALUATION

Based on our field exploration, limited soil tests, and review of available documents, the soils at the proposed foundation level are suitable for support of the proposed structure. The proximity of neighboring structures and streets will need to be considered during design and construction.

Presented below are preliminary comments and recommendations based on the available geotechnical information reviewed to date. Confirmatory geotechnical subsurface investigation, laboratory tests, analysis, and evaluation should be performed to confirm recommendations provided in this letter report.

### Seismic Design Parameters

Preliminary seismic design parameters in accordance with the 2019 California Building Code and ASCE 7-16 are listed below. The seismic design criteria assumes the structure meets the exceptions of ASCE 7-16 Chapter 12.

| Type | Value | Description |
|---|---|---|
| $S_S$ | 1.454 | $MCE_R$ mapped spectral response acceleration at short period |
| $S_1$ | 0.528 | $MCE_R$ mapped spectral response acceleration at one-second period |
| $F_a$ | 1.2 | Site Amplification Factor at 0.2 second |
| $F_v$ | 1.52 | Site Amplification Factor at 1.0 second |
| $S_{MS}$ | 1.746 | Site-modified spectral acceleration at short period |
| $S_{M1}$ | 0.802 | Site-modified spectral acceleration at one-second period |
| $S_{DS}$ | 1.164 | Design earthquake spectral response acceleration at short period |
| $S_{D1}$ | 0.535 | Design earthquake spectral response acceleration at one-second period |
| $PGA_M$ | 0.634 | MCE geometric mean peak ground acceleration adjusted for site class effects |

**Notes:**

1. Values based on Site Class D - Default.
2. MCE = Maximum Considered Earthquake
3. $MCE_R$ = Risked-Targeted Maximum Considered Earthquake

Based on deaggregation of the probabilistic seismic hazard spectrum from the USGS Unified Hazard Tool, the mean and modal earthquakes for the 2% probability of exceedance in 50 years (2,475-year return period) event are 6.88 and 7.3 moment magnitudes, respectively.

Seismic design parameters were determined for a Site Class D, assuming that the proposed structures have fundamental periods of vibration equal to or less than 0.5 seconds.

The structural engineer should confirm the structural fundamental period of vibration and the seismic design approach. The structural engineer should provide the fundamental period of vibration to LANGAN and confirm if Exception No. 2 of Section 11.4.8 of ASCE 7-16 and if simplified design procedures in accordance with Section 12.14 of ASCE 7-16 will be used for seismic design. If the exception is not being used a site-specific seismic site response analysis will be required for final design.

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**Foundation Considerations**

Our recommendations provided here are preliminary and should be reevaluated based on an additional site-specific field investigation. We understand that the proposed development will consist of a five-story apartment building on top of one level of basement garage parking.

**One-Level Basement Garage** - Based on our experience with similar projects, we expect approximately 15 feet of overburden removal for the construction of the below-grade parking garage and individual column loads of 300 to 500 kips are expected.

A shallow foundation system (spread or continuous footings) bearing on properly prepared and compacted subgrade can be designed with a preliminary bearing pressures of 3,000 to 4,000 pounds per square foot (psf). Recommended allowable bearing values including both dead and live loads, and may be increased by one-third for transient loads such as wind or seismic forces.

Recommended allowable bearing values including both dead and live loads, and may be increased by one-third for transient loads such as wind or seismic forces.

**Permanent Below-Grade Walls**

Below-grade walls for the proposed one-level parking garage are presumed to be fixed against rotation. Retained soils behind the below-grade walls are expected to be greater than 6 feet in height and should be designed for seismic loading conditions. Additionally, surcharge loading along the walls should consider adjacent structures, streets, vehicular traffic, and sidewalks.

The below-grade walls along the west and south side of the property should be designed to withstand lateral loading from neighboring foundations. Surcharge loading should be considered where the neighboring building foundations are supported on material above a one horizontal to one vertical (1H:1V) theoretical influence line extending upward along the respective foundation walls. Lateral loading from neighboring building foundations need not be considered if these foundations are supported outside the aforementioned influence line.

The below-grade walls along the north and east sides of the property should be designed to consider surcharges from adjacent streets, vehicular traffic, and sidewalks. Where vehicular traffic will pass within 10 feet of walls, traffic loads should be considered in the design of walls.

**Expansive Soil Considerations**

Potentially expansive soils are defined by the CBC 2019 as soils with expansion indices (EI) of greater than 20. Expansive soils swell or shrink when the moisture content of the soil changes. A soil's moisture content can change through cyclic wet/dry weather cycles, variations in the groundwater level, installation of irrigation systems, change in landscape plantings, and changes in site grading. Leaking utilities can also drastically change soil moisture content. Expansion index testing of the near-surface material indicates the soil exhibits a "medium" expansion potential (EI of 51).

The site should be designed to promote positive drainage away from the pavements and landscaping should consist of mainly drought-tolerant native planting that requires limited irrigation. Confirmatory expansion index testing should be performed in a design-level final geotechnical investigation to confirm expansion potential of soils near proposed foundation level.

**Corrosion Considerations**

Chemical analyses performed on select samples obtained in the upper 5 feet across the site are summarized in Table 1 below.

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**Table 1 – Chemical Analytical Results**

| Date of Investigation | Sample | Depth (feet) | Resistivity (ohm-cm) | pH | Soluble Sulfate (ppm) | Chloride (ppm) |
|---|---|---|---|---|---|---|
| 25 June 2021 | LB-2/ Bulk | 1 - 5 | 540 | 7.8 | 130 | 45 |

**Notes**:
1. ppm = parts per million
2. NT = not tested for the select sample

According to our review of the minimum resistivity, pH, soluble sulfate, and chloride contents on the select soil samples, the surficial soil is considered class S0 (low sulfate concentration in contact with concrete) and corrosive to ferrous metals (ANSI/AWWA Standard C105/A21.5, ACI 318-19 and ASTM A674).

All subsurface structures and utilities in contact with the native soils should be protected against corrosion. Based on the samples collected to date, ACI 318-14 classified the soil as Exposure Class S0 for sulfate and Exposure Class C1 for chloride. A corrosion expert should be consulted if metal pipe is proposed to be in contact with soil. Based on the laboratory data summarized here, ACI 318-14 requires that concrete should be designed using Type II cement (ASTM C150), a maximum water-to-cement ratio of 0.5, and a minimum specified compressive strength (f'c) of 4,000 pounds per square inch (psi). A copy of the corrosion results is provided in Appendix C.

Confirmatory corrosion testing should be performed in a design-level final geotechnical investigation to confirm corrosivity of native soils at proposed foundation level.

## CONSTRUCTION CONSIDERATIONS

### Temporary Excavation Support

Based on the anticipated depths and limits of proposed excavation for the below-grade parking garage, temporary excavation support and will be required and will need to be constructed in accordance with CAL-OSHA requirements and City of Huntington Beach Building Code. At this time, we do not have project-specific information to provide preliminary parameters for the design of the shoring system. In areas where sloped excavations cannot be performed, 2H:1V maximum (Horizontal:Vertical), we recommend the shoring system use soldier beams and lagging.

Deflection at the top of the excavation support system will be a function of the design and sequence of installation. Any temporary shoring system should be designed to limit deflections adjacent to existing public streets and neighboring buildings, but in no case should deformations be such that cause damage or loss of support to areas, structures, and utilities beyond the excavation.

### Site Drainage

Proper drainage should be maintained at all times. Ponding or trapping of water in localized areas can cause differing moisture levels in the subsurface soil. Drainage should be directed away from the tops of slopes. Erosion protection and drainage control measures should be implemented during periods of inclement weather. Shallow perched water may be encountered at the site depending on seasonal rainfall. During rainfall events, backfill operations may need to be restricted to allow for proper moisture control during fill placement.

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## RECOMMENDED FUTURE STUDIES

Comments and preliminary recommendations provided herein are based on a review of publicly available documents and geotechnical information pertaining to the site and our subsurface investigation. At this time, we recommend performing the following supplemental studies:

- A design level geotechnical exploration and laboratory testing program to confirm the following:
    - Consistency of geotechnical conditions across the site,
    - Confirm the preliminary geotechnical recommendations,
    - Perform infiltration testing if required,
    - Confirm the magnitude of cyclic densification, and
    - A document search for adjacent structure foundations.

## LIMITATIONS

This report has been prepared to assist Hines in their due diligence for site acquisition and development of the property at 4952 Warner Ave in Huntington Beach, California. The conclusions and recommendations provided in this report are preliminary and based on publicly available information performed by others, which we have relied upon as being accurate and representative of the conditions at the site. A design-level geotechnical investigation study (including field and laboratory testing) are necessary to develop design and construction recommendations for the proposed development.

This report has been prepared to assist the client in preliminary evaluation of the site and is only applicable to the design of the specific project identified. The information in this report cannot be used or depended on by engineers or contractors who are involved in evaluations or designs of facilities (including underpinning, grouting, stabilization, etc.) on adjacent properties which are beyond the limits of that which is the specific subject of this report.

A review of environmental issues (such as potentially contaminated soil and groundwater) has not been performed as part of this study, and should be addressed in a separate study.

DRAFT

## CLOSURE

We appreciate the opportunity to have provided these services for this project. Should you have any questions regarding this letter, please feel free to contact us.

Sincerely,
**Langan Engineering and Environmental Services, Inc.**

Enrique A. Riutort, PE, GE
Senior Project Manager
GE 2683

Diane M. Fiorelli, PE, GE
Principal/Vice President
GE 3042

Enclosures: References
Figure 1 – Site Location Map
Figure 2 – Map of Major Faults and Earthquake Epicenters Proximity of Site
Figure 3 – Geologic Hazards Map
Figure 4 – Historical Groundwater Map
Figure 5 – Floor Insurance Rate Map
Figure 6 – Inundation Hazard Map
Figure 7 – Annual Subsidence Rates
Figure 8 – Boring Location Plan
Appendix A – Seismic Research Results
Appendix B – Boring Logs
Appendix C – Laboratory Test Results

DRAFT

\\langan.com\data\IRV\data4\700101401\Project Data_Discipline\Geotechnical\Reports\7001014001 Preliminary Geotechnical Investigation_ac.docx

## REFERENCES

American Society of Civil Engineers (2016). Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-16.

California Building Standards Commission (2019). California Building Code, California Code of Regulations, Title 24.

California Department of Conservation (2019). Geologic Map of California, dated 2010, accessed 4 March 2019.

California Department of Conservation, Division of Mines and Geology (DMG). *Seismic Hazard Zone Report for the Seal Beach 7.5-Minute Quadrangle, Los Angeles and Orange Counties, California*, revised17 January 2006 (SHZR 020).

California Geologic Survey (CGS) (2010), "Fault Activity Map of California", California Geologic Data Map Series, Map No. 6.

California Geological Survey (CGS) (2008) "Guidelines for Evaluating and Mitigating Seismic Hazards in California", Special Publication 117A, dated 2008.

California Geological Survey (CGS) (2002) "California Geomorphic Provinces", Note 36, dated 2002

California Geological Survey (CGS) (1999), "Earthquake Zones of Required Investigation Seal Beach Quadrangle",

Federal Emergency Management Agency (2019), National Flood Insurance Map Program, Flood Insurance Rate Map (FIRM) Map Number 06059C0233K, Panel 233, updated 21 March 2019.

Local Hazard Mitigation Plan (2017), City of Huntington Beach.

Saucedo, G.J., Greene, H.G., Kennedy, M.P., and Bezore, S.P., 2016, Geologic Map of the Long Beach 30' x 60' Quadrangle, California, Version 2.0, Regional Map Series, Scale = 1:100,000, 1 Sheet, California Department of Conservation, California Geological Survey.

DRAFT

# FIGURES

DRAFT

NOTES:

1. BACKGROUND IMAGE REFERENCED FROM BING MAPS ON 23 JUNE 2021.

LEGEND:

APPROXIMATE SITE LIMITS

500 250 0 500

SCALE IN FEET

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Project

**PROPOSED SENIOR HOUSING DEVELOPMENT**

HUNTINGTON BEACH

ORANGE COUNTY CALIFORNIA

Figure Title

**SITE VICINITY MAP**

| | |
|---|---|
| Project No. | 700101401 |
| Date | JUNE 2021 |
| Scale | 1" = 500' |
| Drawn By | DJJS |
| Figure No. | 1 |

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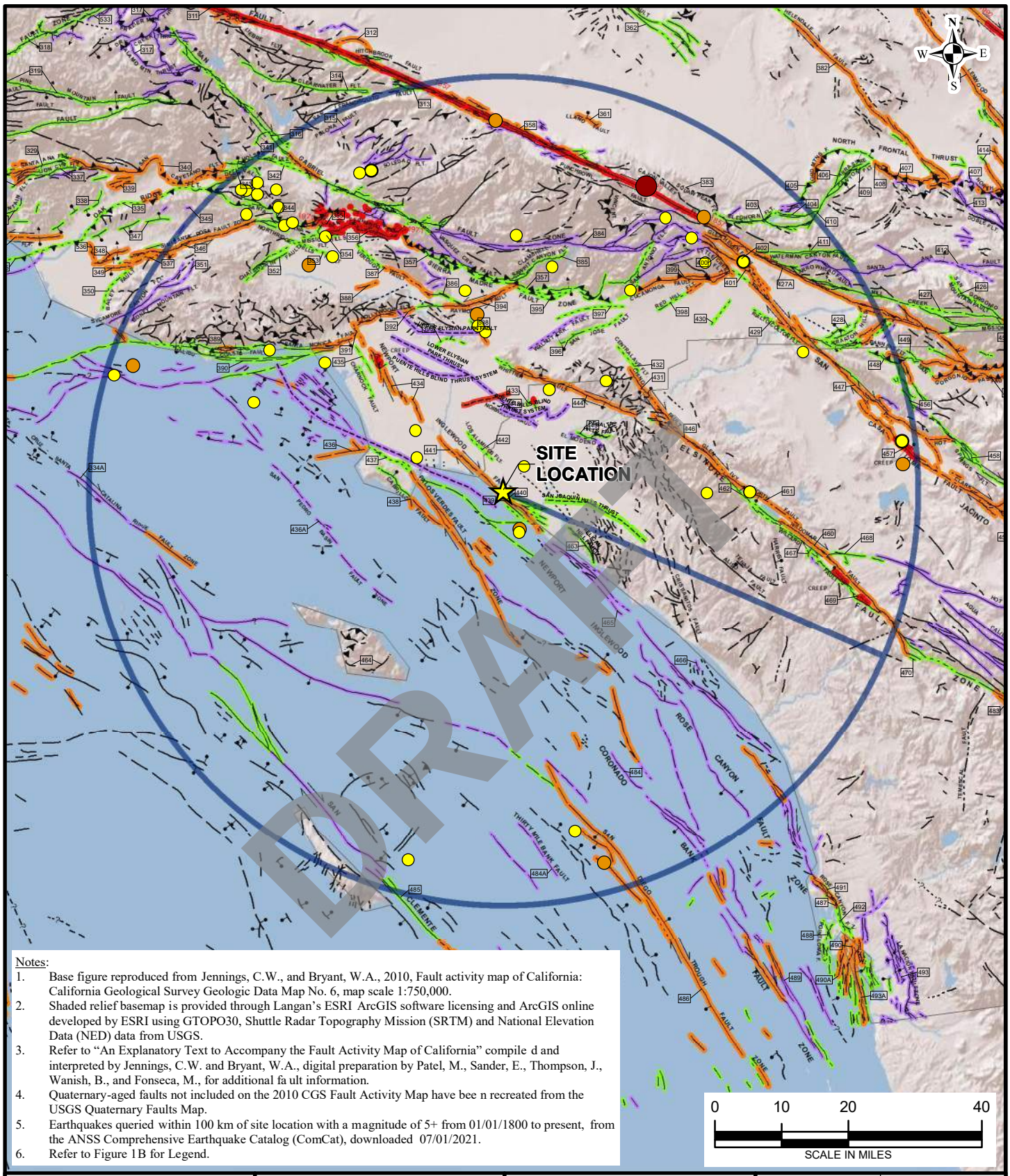
Filename: \\langan.com\data\IRV\data4\700101401\Project Data\CAD\01\2D-DesignFiles\Figure 1_Site Vicinity.dwg Date: 7/13/2021 Time: 14:12 User: acorob Style Table: Langan.stb Layout: Site Vicinity Map




Notes:

1. Base figure reproduced from Jennings, C.W., and Bryant, W.A., 2010, Fault activity map of California: California Geological Survey Geologic Data Map No. 6, map scale 1:750,000.
2. Shaded relief basemap is provided through Langan's ESRI ArcGIS software licensing and ArcGIS online developed by ESRI using GTOPO30, Shuttle Radar Topography Mission (SRTM) and National Elevation Data (NED) data from USGS.
3. Refer to "An Explanatory Text to Accompany the Fault Activity Map of California" compile d and interpreted by Jennings, C.W. and Bryant, W.A., digital preparation by Patel, M., Sander, E., Thompson, J., Wanish, B., and Fonseca, M., for additional fa ult information.
4. Quaternary-aged faults not included on the 2010 CGS Fault Activity Map have bee n recreated from the USGS Quaternary Faults Map.
5. Earthquakes queried within 100 km of site location with a magnitude of 5+ from 01/01/1800 to present, from the ANSS Comprehensive Earthquake Catalog (ComCat), downloaded 07/01/2021.
6. Refer to Figure 1B for Legend.

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|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | QUATERNARY FAULT ACTIVITY AND EARTHQUAKE EPICENTER MAP | 700101401 | 2A |
| | | Date: JULY 2021 | |
| | | Scale: 1 inch = 20 miles | |
| | | Drawn By: OG | |

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Path: \\langan.com\data\IRV\data4\700101401\Project Data\ArcGIS\MXD\Geotech_Figures\Fault Map.mxd Date: 7/1/2021 User: ogodfrey Time: 4:29:36 PM

**LEGEND:**

## Fault Age

The age classifications are based on geologic evidence to determine the youngest faulted unit and the oldest unfaulted unit along each fault or fault section

- Historic
- Holocene
- Late Quaternary
- Quaternary

## Earthquake Epicenter

- Magnitude 5.0 to 5.9
- Magnitude 6.0 to 6.9
- Magnitude 7.0 to 7.4
- Magnitude 7.5 to 8.0

## Pre-Quaternary Faults

- fault, certain
- fault, approx. located
- fault, concealed
- thrust fault, certain
- thrust fault, approx. located
- thrust fault, approx. located, queried
- fault, certain
- fault, concealed
- fault, approx. located

## Quaternary Faults

- fault, certain
- fault, approx. located
- fault, approx. located, queried
- fault, inferred, queried
- fault, concealed
- fault, concealed, queried
- thrust fault, certain
- thrust fault, approx. located
- thrust fault, concealed
- dextral fault, certain
- dextral fault, approx. located
- dextral fault, concealed
- sinistral fault, certain
- sinistral fault, approx. located
- sinistral fault, concealed
- thrust fault, certain (2)
- thrust fault, approx. located (2)
- thrust fault, concealed (2)
- fault, solid
- fault, dashed
- fault, dotted
- dextral fault, solid
- fault, dotted, queried
- fault, dotted, queried (2)
- fault, solid, dip
- fault, dashed, dip
- fault, dotted, dip
- reverse fault, solid
- reverse fault, dashed
- reverse fault, dotted

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|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | QUATERNARY FAULT ACTIVITY AND EARTHQUAKE EPICENTER MAP | 700101401 | 2B |
| | | Date: JULY 2021 | |
| | | Scale: NOT TO SCALE | |
| | | Drawn By: OG | |

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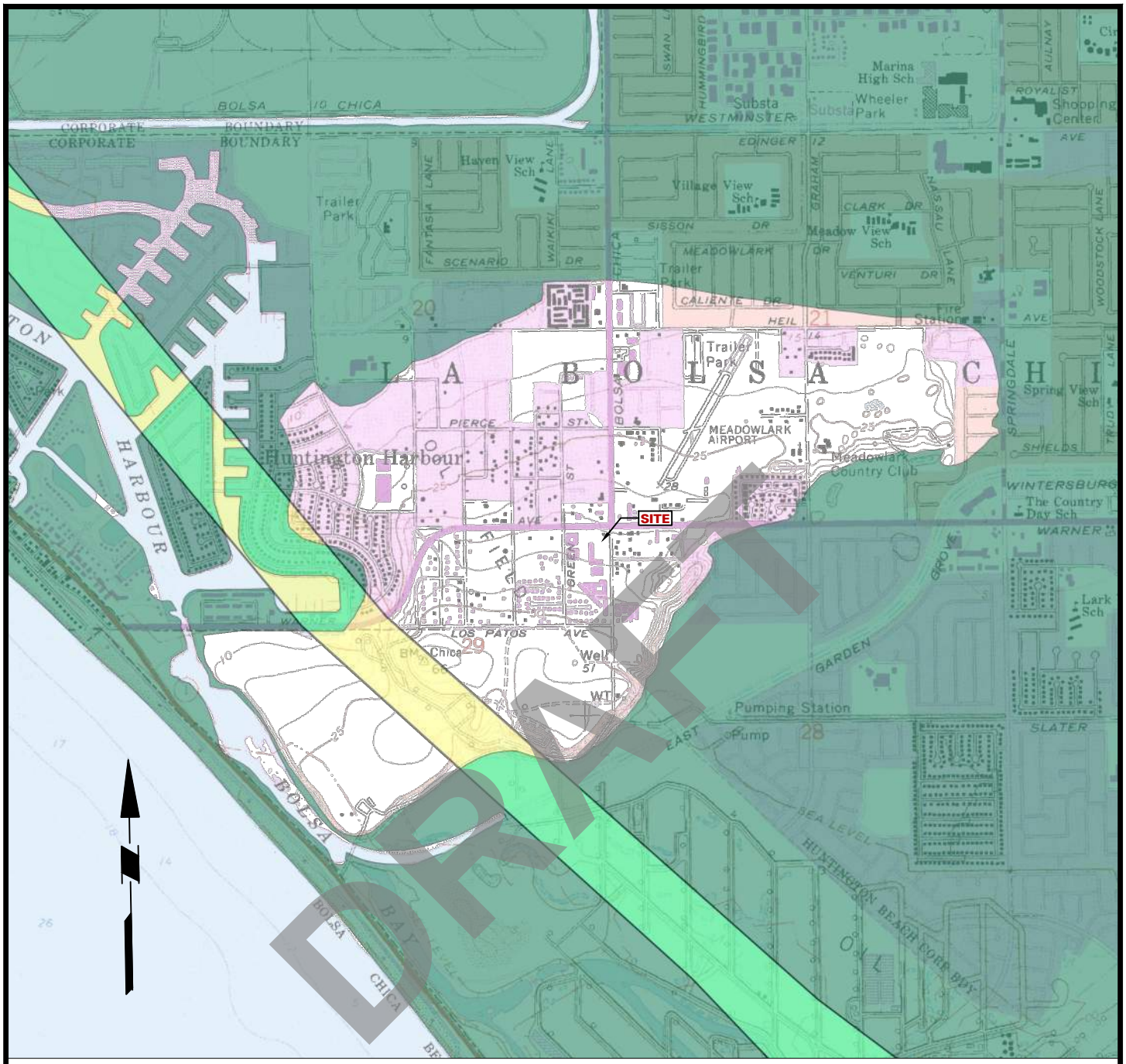


LEGEND:

SITE APPROXIMATE SITE LOCATION

2000 1000 0 2000

SCALE IN FEET

NOTES:

1. BACKGROUND REFERENCED FROM EARTHQUAKE ZONES OF REQUIRED INVESTIGATION SEAL BEACH QUADRANGLE, CALIFORNIA GEOLOGICAL SURVEY, DATED 25 MARCH 1999.


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HUNTINGTON BEACH

ORANGE COUNTY CALIFORNIA

Drawing Title

GEOLOGIC HAZARDS MAP

| | |
|---|---|
| Project No. | 700101401 |
| Date | 13 JULY 2021 |
| Scale | 1" = 2000' |
| Drawn By | AC |
| Drawing No. | 3 |

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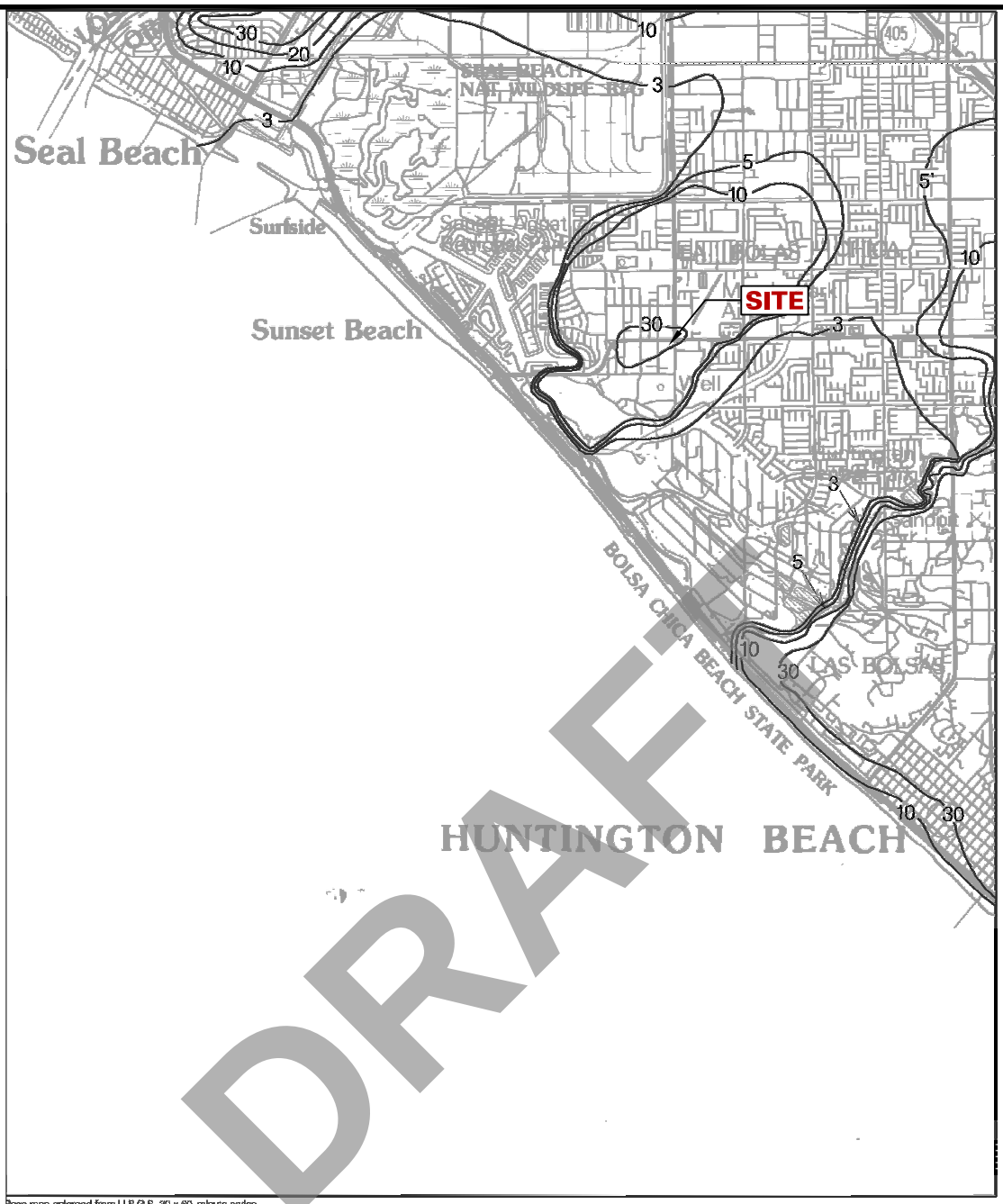


Base map enlarged from U.S.G.S. 30 x 60-minute series

Plate 1.2 Historically Highest Ground Water Contours and Borehole Log Data Locations, Seal Beach Quadrangle.

● Borehole Site

30 Depth to ground water in feet

ONE MILE
SCALE

LEGEND:

SITE APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM SEISMIC HAZARD ZONE REPORT FOR THE SEAL BEACH 7.5-MINUTE QUADRANGLE, ORANGE COUNTY, CALIFORNIA


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|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | HISTORIC GROUNDWATER MAP | 700101401 | 4 |
| | | Date<br>13 JULY 2021 | |
| | | Scale<br>AS SPECIFIED ON MAP | |
| | | Drawn By<br>AC | |

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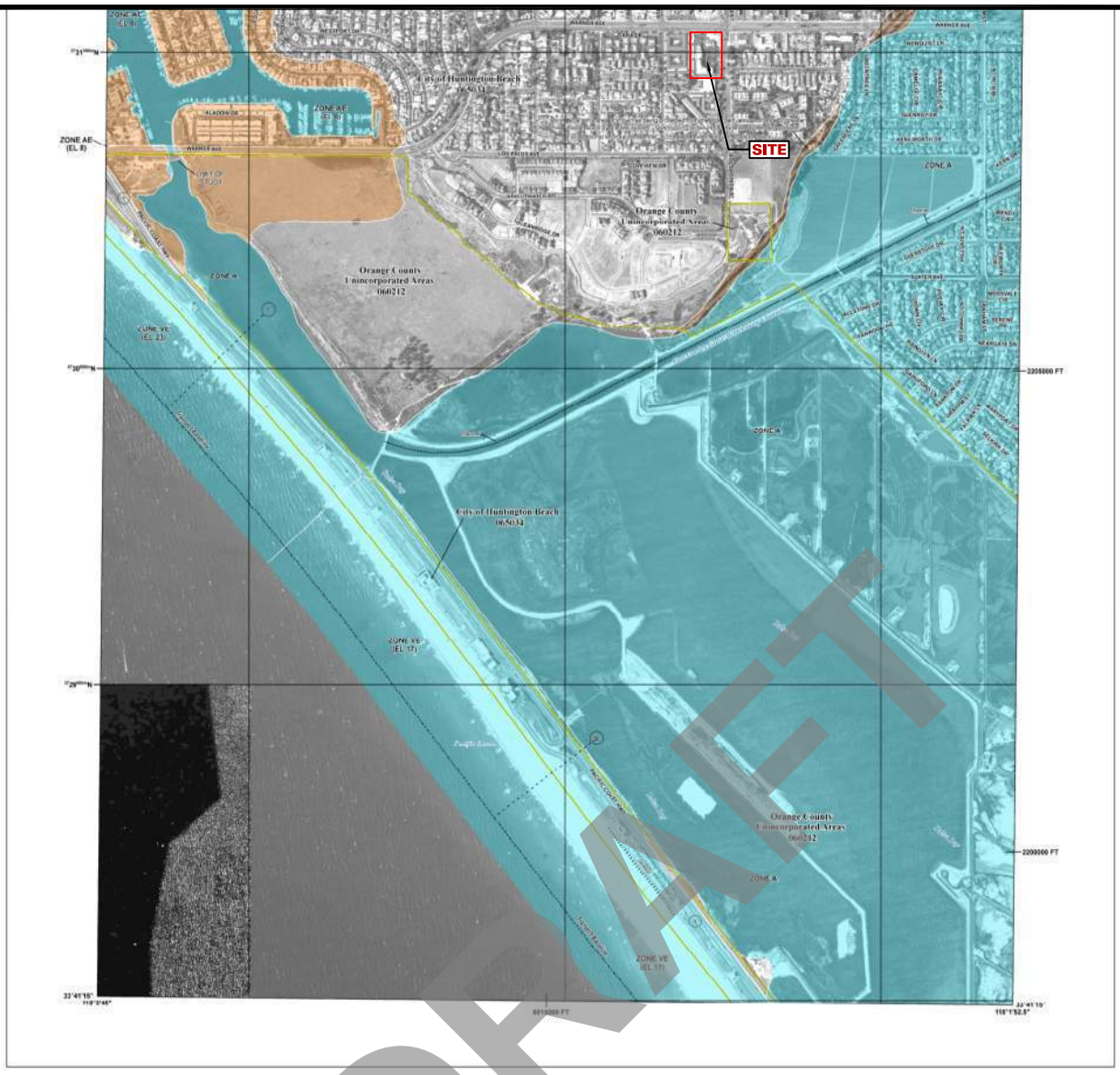


## FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTPS://MSC.FEMA.GOV

| | |
|---|---|
| SPECIAL FLOOD HAZARD AREAS | Without Base Flood Elevation (BFE) (Zone A, V, A99) |
| | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | Area with Reduced Flood Risk due to Levee See Notes. Zone X |
| | Area with Flood Risk due to Levee Zone D |
| OTHER AREAS | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | Area of Undetermined Flood Hazard Zone D |
| GENERAL STRUCTURES | Channel, Culvert, or Storm Sewer |
| | Levee, Dike, or Floodwall |
| | (E) 18.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | (8) Coastal Transect |
| | Coastal Transect Baseline |
| | Profile Baseline |
| | Hydrographic Feature |
| | (513) Base Flood Elevation Line (BFE) |
| OTHER FEATURES | Limit of Study |
| | Jurisdiction Boundary |

## NOTES TO USERS

For information and updates about the Flood Insurance Rate Map (FIRM), available products associated with this FIRM including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities participating in the National Flood Insurance Program (NFIP) have ordinances, regulations, and restrictions in place that meet or exceed NFIP minimum requirements. These ordinances, regulations, and restrictions are enforced by the community as a condition of participation in the NFIP. Some communities may also have more restrictive or comprehensive floodplain management ordinances, regulations, and restrictions in place that are not required by the NFIP, and which may be enforced by the community. In some instances, these additional requirements may be more restrictive than those of the NFIP and in some instances, they may be less restrictive or supersede the NFIP requirements. In these instances, the NFIP requirements may be enforced by the State or other jurisdiction.

Communities participating in the NFIP are assigned a 6 digit community number. Flood insurance rates are based on the community number, regardless of the number of FIRM panels that are applicable to the community. The community number for this community is shown on the panel(s) comprising the community.

For community and countywide base flood elevations and floodway data, refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base Map information shown on this FIRM was derived from multiple sources. Coastal California LiDAR and Digital Imagery dated 2011 was compiled from the Coastal Services Center where available, and it was supplemented with 2014 USDA National Agriculture Imagery Program (2014 NAIP) imagery.

ACCREDITED LEVEE NOTES TO USERS: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at https://www.fema.gov/business/nfip/index.shtm.

## SCALE

Map Projection:
NAD83 UTM Zone 11N
Western Hemisphere. Vertical Datum NAVD88

1 inch = 500 feet 1:6,000

0 1,000 2,000 feet

0 250 500 meters

## PANEL LOCATOR

| | | |
|---|---|---|
| 0227 | 0231 | 0232 | 0251 |
| 0229 | 0233 | 0234 | 0253 |
| 0241 | 0242 | 0261 | |

* PANEL NOT PRINTED

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

ORANGE COUNTY, CALIFORNIA
and Incorporated Areas

PANEL 233 OF 539

FEMA

Panel Contains:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|---|---|---|---|
| HUNTINGTON BEACH, CITY OF | 065034 | 0233 | K |
| ORANGE COUNTY | 060212 | 0233 | K |

VERSION NUMBER
2.3.3.1

MAP NUMBER
06059C0233K

MAP REVISED
MARCH 21, 2019

DRAFT

LEGEND:

SITE APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM FEMA FLOOD INSURANCE RATE MAP NUMBER 06059C0233K ACCESSED 28 JUNE 2021

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Project

PROPOSED SENIOR HOUSING DEVELOPMENT

HUNTINGTON BEACH

ORANGE COUNTY CALIFORNIA

Drawing Title

FLOOD INSURANCE MAP

Project No. 700101401

Date 13 JULY 2021

Scale AS SPECIFIED ON MAP

Drawn By AC

Drawing No. 5

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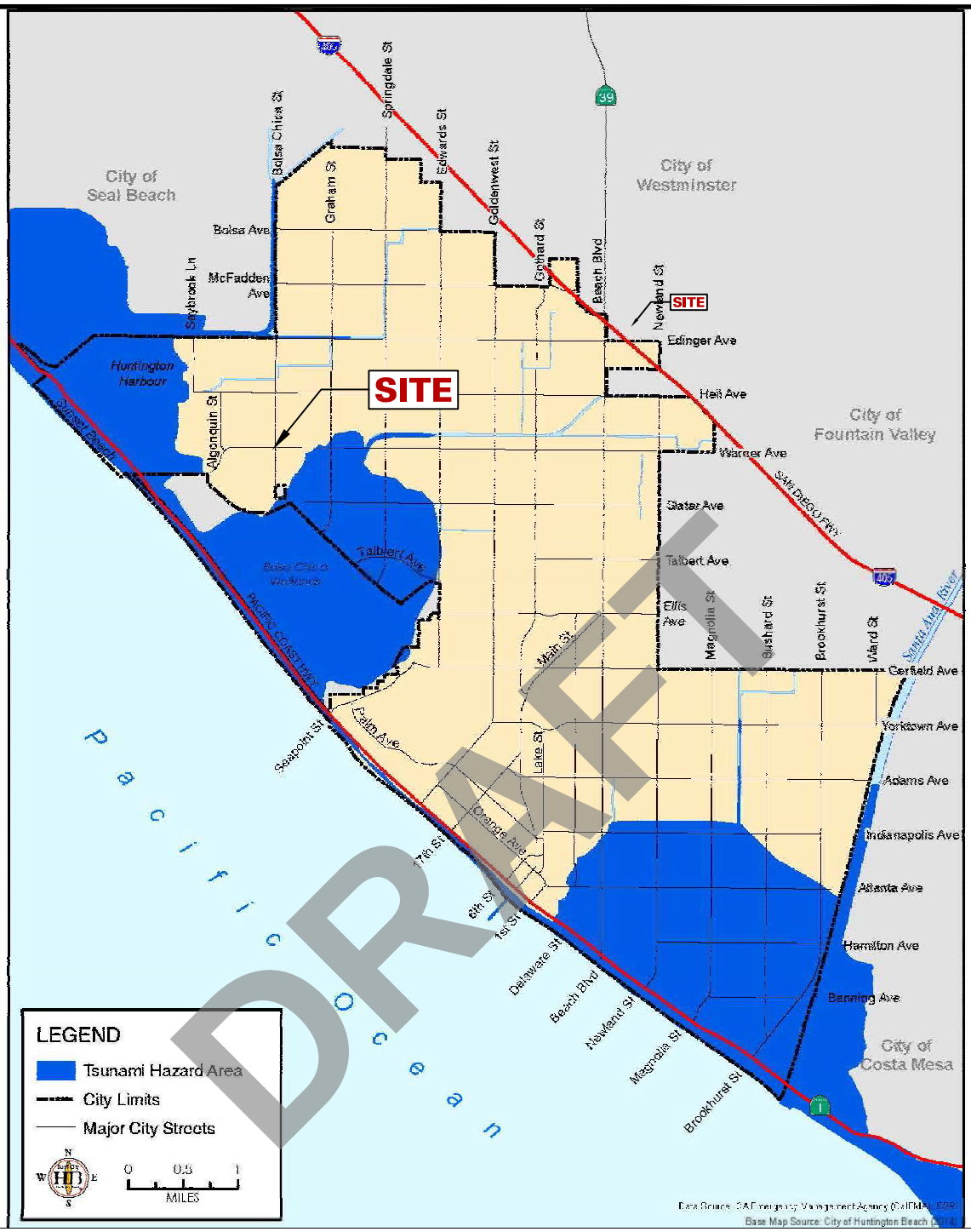


LEGEND:

SITE APPROXIMATE SITE

NOTES:

1. BACKGROUND REFERENCED FROM CITY OF HUNTINGTON BEACH LOCAL HAZARD MITIGATION PLAN, ACCESSED 28 JUNE 2021


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Langan Engineering & Environmental Services, Inc.


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|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | TSUNAMI INUNDATION ZONE MAP | 700101401 | 6 |
| | | Date<br>13 JULY 2021 | |
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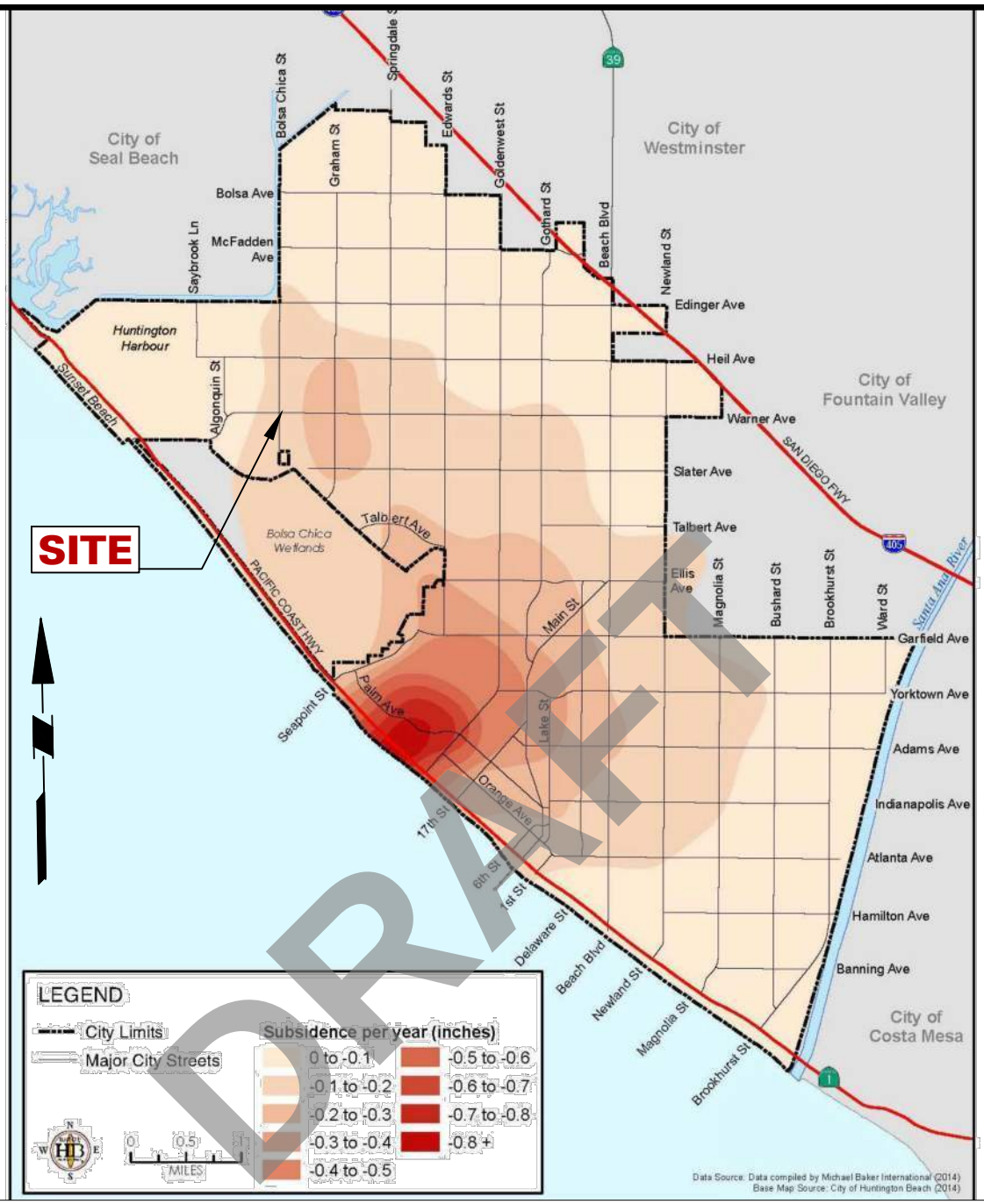
Filename: \\langan.com\data\IRV\data4\700101401\Project Data\CAD\01\2D-DesignFiles\Figure 3-7.dwg Date: 7/13/2021 Time: 10:39 User: acorob Style Table: Langan.stb Layout: 6




DRAFT

LEGEND:

SITE APPROXIMATE SITE LOCATION

NOTES:

1. BACKGROUND REFERENCED FROM CITY OF HUNTINGTON BEACH LOCAL HAZARD MITIGATION PLAN, ACCESSED 28 JUNE 2021

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ABU DHABI ATHENS DOHA DUBAI ISTANBUL LONDON PANAMA

Langan Engineering & Environmental Services, Inc.

| Project | Drawing Title | Project No. | Drawing No. |
|---|---|---|---|
| PROPOSED SENIOR HOUSING DEVELOPMENT<br>HUNTINGTON BEACH<br>ORANGE COUNTY CALIFORNIA | ANNUAL SUBSIDENCE RATES | 700101401 | 7 |
| | | Date<br>13 JULY 2021 | |
| | | Scale<br>AS SHOWN ON MAP | |
| | | Drawn By<br>AC | |

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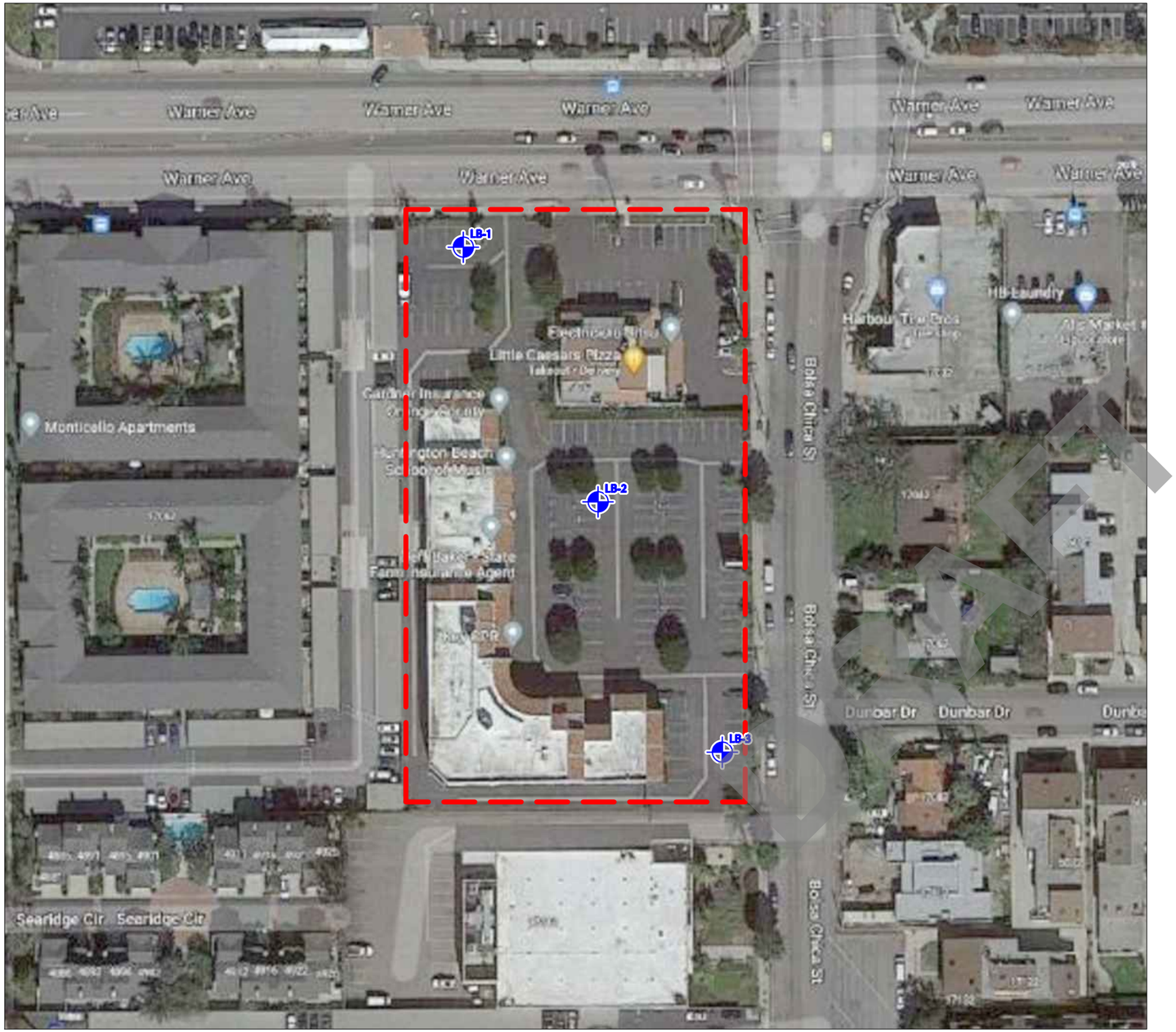
Filename: \\langan.com\data\IRV\data4\700101401\Project Data\CAD\01\2D-DesignFiles\Figure 3-7.dwg Date: 7/27/2021 Time: 10:58 User: acorob Style Table: Langan.stb Layout: 7




NOTES:

1. BACKGROUND IMAGE REFERENCED FROM GOOGLE MAPS, ACCESSED 29 JUNE 2021
2. LANGAN BORINGS LB–1 THROUGH LB–3 WERE DRILLED BY MARTINI DRILLING ON 25 JUNE 2021 UNDER THE FULL–TIME ENGINEERING OBSERVATION OF A LANGAN FIELD ENGINEER.

LEGEND:

APPROXIMATE SITE LIMITS

LB-2 APPROXIMATE BORING LOCATION

50 25 0 50

SCALE IN FEET

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Langan Engineering & Environmental Services, Inc.

Project
PROPOSED SENIOR HOUSING DEVELOPMENT
HUNTINGTON BEACH
ORANGE CALIFORNIA

Figure Title
BORING LOCATION PLAN

Project No. 700101401
Date 29 JUNE 2021
Scale 1" = 50'
Drawn By AC
Figure No. 8

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Filename: \\langan.com\data\IRV\data4\700101401\Project Data\CAD\01\2D-DesignFiles\Figure 3-7.dwg Date: 7/27/2021 Time: 10:59 User: acorob Style Table: Langan.stb Layout: 8

# APPENDIX A

## Seismic Research Results

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**TABLE A.2 - USGS ANSS COMPREHENSIVE CATALOG SEARCH RESULTS**

| Date [1,3] | Latitude [1,3] | Longitude [1,3] | Approximate Magnitude [1,3] | Magnitude Type [2] | Approximate Distance from Site (km) [1,3] |
|---|---|---|---|---|---|
| 2014-03-29 | 33.9325 | -117.9158 | 5.1 | mw | 27 |
| 2008-07-29 | 33.9485 | -117.7663 | 5.44 | mw | 36 |
| 1997-04-26 | 34.3690 | -118.6700 | 5.07 | ml | 93 |
| 1995-06-26 | 34.3940 | -118.6690 | 5.02 | ml | 95 |
| 1994-03-20 | 34.2310 | -118.4750 | 5.24 | ml | 70 |
| 1994-01-29 | 34.3060 | -118.5790 | 5.06 | ml | 82 |
| 1994-01-19 | 34.3780 | -118.6190 | 5.07 | ml | 91 |
| 1994-01-19 | 34.3790 | -118.7120 | 5.06 | ml | 96 |
| 1994-01-18 | 34.3770 | -118.6980 | 5.24 | ml | 95 |
| 1994-01-17 | 34.3260 | -118.6980 | 5.58 | ml | 91 |
| 1994-01-17 | 34.3400 | -118.6140 | 5.2 | ml | 87 |
| 1994-01-17 | 34.2750 | -118.4930 | 5.89 | ml | 75 |
| 1994-01-17 | 34.2130 | -118.5370 | 6.7 | mw | 72 |
| 1991-06-28 | 34.2700 | -117.9930 | 5.8 | mw | 62 |
| 1990-02-28 | 34.1440 | -117.6970 | 5.51 | ml | 57 |
| 1988-12-03 | 34.1510 | -118.1300 | 5.02 | ml | 49 |
| 1987-10-04 | 34.0740 | -118.0980 | 5.25 | ml | 40 |
| 1987-10-01 | 34.0610 | -118.0790 | 5.9 | mw | 39 |
| 1986-07-13 | 32.9710 | -117.8740 | 5.45 | ml | 84 |
| 1979-01-01 | 33.9165 | -118.6872 | 5.21 | ml | 64 |
| 1973-02-21 | 33.9790 | -119.0502 | 5.3 | mw | 98 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.3 | mh | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.8 | mh | 84 |
| 1971-02-09 | 34.4120 | -118.4000 | 5.8 | ml | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 5.8 | mh | 84 |
| 1971-02-09 | 34.4160 | -118.3700 | 6.6 | mw | 84 |
| 1970-09-12 | 34.2548 | -117.5343 | 5.22 | ml | 76 |
| 1951-12-26 | 32.9162 | -118.3052 | 5.75 | ml | 92 |
| 1941-11-14 | 33.7907 | -118.2637 | 5.12 | ml | 22 |
| 1938-05-31 | 33.6993 | -117.5112 | 5.23 | ml | 49 |
| 1933-03-11 | 33.8500 | -118.2660 | 5 | ml | 26 |
| 1933-03-11 | 33.6238 | -118.0012 | 5.29 | mh | 11 |
| 1933-03-11 | 33.7667 | -117.9850 | 5.02 | mh | 8 |
| 1933-03-11 | 33.6308 | -117.9995 | 6.4 | mw | 10 |
| 1930-08-31 | 34.0300 | -118.6430 | 5.25 | ms | 66 |
| 1927-08-04 | 34.0000 | -118.5000 | 5.3 | uk | 53 |
| 1923-07-23 | 34.0000 | -117.2500 | 5.96 | mw | 80 |
| 1918-06-06 | 33.8000 | -117.0000 | 5 | ml | 97 |
| 1918-04-21 | 33.7500 | -117.0000 | 6.75 | mw | 96 |
| 1910-05-15 | 33.7000 | -117.4000 | 5.3 | mw | 59 |
| 1910-05-13 | 33.7000 | -117.4000 | 5 | ml | 59 |
| 1910-04-11 | 33.7000 | -117.4000 | 5 | ml | 59 |
| 1899-12-25 | 33.8000 | -117.0000 | 6.75 | mw | 97 |
| 1899-07-22 | 34.3000 | -117.5000 | 6.36 | mw | 82 |
| 1899-07-22 | 34.2000 | -117.4000 | 5.5 | ml | 80 |
| 1894-07-30 | 34.3000 | -117.6000 | 5.9 | ml | 77 |
| 1893-04-04 | 34.3000 | -118.6000 | 5.8 | ml | 83 |
| 1892-06-14 | 34.2000 | -117.5000 | 5.5 | ml | 74 |
| 1889-08-28 | 34.2000 | -117.9000 | 5.6 | ml | 55 |
| 1858-12-16 | 34.2000 | -117.4000 | 6 | ml | 80 |
| 1857-01-16 | 34.5200 | -118.0400 | 6.3 | mw | 89 |
| 1855-07-11 | 34.1000 | -118.1000 | 6 | ml | 43 |
| 1827-09-24 | 34.0000 | -119.0000 | 6 | mw | 94 |
| 1812-12-08 | 34.3700 | -117.6500 | 7.5 | mw | 81 |
| 1800-11-22 | 32.9000 | -117.8000 | 6.30 | mw | 93 |

**Notes:**

1. Earthquake Catalog Search results obtained from USGS ANSS Comprehensive Catalog accessed on 01 July 2021.
2. Refer to USGS ANSS Comprehensive Catalog and USGS Earthquake Hazards Program for additional information on magnitude types.
3. Earthquake Catalog search results include earthquake events within 100 km of the Site with magnitudes of 5.0 or greater since 1900.

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**TABLE A.1 - USGS 2014 CALIFORNIA SEISMIC SOURCE MODEL PARAMETERS**

| Fault Name | Distance from Site (km) |
|---|---|
| Newport-Inglewood alt 2 | 0.84 |
| Newport-Inglewood alt 1 | 1.03 |
| Compton | 4.1 |
| San Joaquin Hills | 10.3 |
| Anaheim | 11.2 |
| Palos Verdes | 16.2 |
| Elysian Park (Lower CFM) | 17.5 |
| Newport-Inglewood (Offshore) | 18.1 |
| Puente Hills (Coyote Hills) | 18.9 |
| Peralta Hills | 20.3 |
| Yorba Linda | 21.3 |
| Puente Hills (Santa Fe Springs) | 22.5 |
| Richfield | 23.1 |
| Puente Hills | 24.0 |
| Whittier alt 2 | 28.3 |
| Whittier alt 1 | 28.3 |
| Puente Hills (LA) | 29.2 |
| Oceanside alt2 | 30.7 |
| Oceanside alt1 | 30.8 |
| Redondo Canyon alt 2 | 33.8 |
| Redondo Canyon alt 1 | 34.5 |
| San Diego Trough north alt1 | 36.7 |
| San Pedro Basin | 38.3 |
| San Jose | 39.0 |
| Elysian Park (Upper) | 39.3 |
| San Pedro Escarpment | 39.5 |
| Chino alt 1 | 41.5 |
| Chino alt 2 | 41.7 |
| Elsinore (Glen Ivy) rev | 43.7 |
| San Vicente | 45.4 |
| Verdugo | 45.4 |
| Raymond | 45.4 |
| Hollywood | 48.1 |
| North Salt Lake | 49.0 |
| Santa Monica alt 2 | 49.1 |
| Sierra Madre | 49.1 |
| Clamshell-Sawpit | 51.5 |
| Fontana (Seismicity) | 51.9 |
| Santa Monica alt 1 | 52.1 |
| Cucamonga | 53.2 |
| Malibu Coast alt 1 | 56.7 |
| Malibu Coast alt 2 | 56.7 |

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| | |
|---|---|
| Coronado Bank alt2 | 56.8 |
| Santa Cruz Catalina Ridge alt1 | 57.8 |
| Anacapa-Dume alt 2 | 58.1 |
| San Diego Trough north alt2 | 58.1 |
| Santa Cruz Catalina Ridge alt2 | 58.8 |
| San Gabriel (Extension) | 58.9 |
| Elsinore (Temecula) rev | 60.7 |
| Elsinore (Stepovers Combined) | 62.2 |
| Sierra Madre (San Fernando) | 66.7 |
| Anacapa-Dume alt 1 | 67.4 |
| Northridge Hills | 68.5 |
| Santa Monica Bay | 69.2 |
| Mission Hills 2011 | 69.9 |
| San Gabriel | 70.4 |
| Coronado Bank alt1 | 72.1 |
| Santa Susana alt 2 | 72.2 |
| Northridge | 72.9 |
| Santa Susana East (connector) | 73.6 |
| Thirty Mile Bank | 73.8 |
| San Jacinto (Lytle Creek connector) | 75.8 |
| San Jacinto (San Bernardino) | 78.9 |
| Santa Susana alt 1 | 79.2 |
| San Andreas (Mojave S) | 80.1 |
| San Andreas (San Bernardino N) | 80.8 |
| San Jacinto (San Jacinto Valley) rev | 81.6 |
| San Clemente | 83.9 |
| Cleghorn | 84.2 |
| Rose Canyon | 85.1 |
| Carlsbad | 85.9 |
| San Andreas (North Branch Mill Creek) | 87.5 |
| Holser alt 1 | 88.1 |
| San Jacinto (Anza) rev | 88.6 |
| Simi-Santa Rosa | 89.0 |
| San Andreas (San Bernardino S) | 89.9 |
| Malibu Coast (Extension) alt 2 | 90.4 |
| Malibu Coast (Extension) alt 1 | 90.4 |
| San Jacinto (Stepovers Combined) | 90.7 |
| Holser alt 2 | 93.4 |
| Del Valle | 96.0 |
| North Frontal (West) | 97.7 |
| Oak Ridge (Onshore) | 98.4 |

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**Notes:**

1. Seismic source model parameters obtained from USGS 2014 National Seismic Hazard Maps on 01 July 2021.

2. Search results include sources within 62 mi (100 km) of the Site.

# APPENDIX B
# Boring Logs

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# LANGAN

Log of Boring **LB-1** Sheet 1 of 2

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 38 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 10, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ▽, Completion ▼, 24 HR. ▼ --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Elev. (ft) | Sample Description | Depth Scale | Sample Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|
| | Asphalt = 3-inches / Aggregate Base = 8-inches | 0 | | | | | |
| | FILL<br>Dark brown, CLAY, (CL), trace fine sand and gravel, dry | 1, 2, 3, 4 | | | | | |
| | Stiff, dark brown, CLAY, (CL), trace fine sand, moist | 5, 6 | S-1 | CR | 18 | 4, 11, 14 | |
| | TERRACE | 7, 8 | | | | | |
| | Medium dense, brown-gray, fine to medium SAND, (SP), trace clay, moist | 9, 10, 11 | S-2 | SPT | 18 | 3, 4, 6 | |
| | | 12, 13, 14 | | | | | |
| | Medium dense, brown-gray, fine SAND, (SP), trace silt, moist | 15 | S-3 | CR | 18 | 7, 15, 18 | |
| | Very stiff, gray-brown, clayey SILT, (ML), some fine sand, moist | 16, 17 | | | | | |
| | | 18, 19, 20 | | | | | |

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\\LANGAN.COM\DATA\IRV\DATA4\700101401\PROJECT DATA_DISCIPLINE\GEOTECHNICAL\GINTLOGS\700101401 GINT LOGS REV1.GPJ ... 7/26/2021 4:14:49 PM ... Report: Log - LANGAN

# LANGAN

Log of Boring **LB-1** Sheet 2 of 2

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Medium dense, gray-brown, fine to medium SAND, (SP), dry | 20–21 | S-4 | SPT | 18 | 7, 13, 16 | |
| | | Medium dense, gray-brown, fine to medium SAND, (SP), dry | 25–26 | S-5 | CR | 18 | 7, 11, 12 | |
| | | Stiff, brown, CLAY, (CL), trace fine sand, moist | | | | | | |
| | | Firm, brown, CLAY, (CL), trace fine sand, moist | 30–31 | S-6 | SPT | 18 | 2, 4, 7 | |
| | | Very stiff, dark brown, sandy CLAY, (CL), moist | 35–36 | S-7 | CR | 0 | 9, 19, 28 | Sample S-7: No Recovery |
| | | Dense, gray-brown, fine to medium SAND, (SP), trace clay, moist | 37–38 | S-7 | CR | 18 | 19, 23, 35 | |
| | | End boring at 38 feet<br>Groundwater not encountered<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | | | | | | |

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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# LANGAN

Log of Boring **LB-2** Sheet 1 of 3

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 51.5 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 10, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ▽ 46, Completion ▼ 44, 24 HR. ▼ --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Asphalt = 1.5-inches / Aggregate Base = 5.5-inches | 0 | | | | | |
| | | **FILL** | 1 | | | | | |
| | | Dark brown, sandy CLAY, (CL), some gravel, dry | 2 | | | | | |
| | | | 3 | | | | | |
| | | | 4 | | | | | |
| | | Dark brown, stiff, brown, CLAY, (CL), trace sand, dry | 5 | S-1 | SPT | 18 | 5 6 7 | |
| | | | 6 | | | | | |
| | | | 7 | | | | | |
| | | **TERRACE** | 8 | | | | | |
| | | | 9 | | | | | |
| | | Medium dense, light brown, silty fine SAND, (SM), dry | 10 | S-2 | CR | 18 | 6 15 21 | |
| | | | 11 | | | | | |
| | | | 12 | | | | | |
| | | | 13 | | | | | |
| | | | 14 | | | | | |
| | | Medium dense, light brown, silty fine SAND, (SM), dry | 15 | S-3 | SPT | 18 | 4 6 11 | |
| | | | 16 | | | | | |
| | | | 17 | | | | | |
| | | | 18 | | | | | |
| | | | 19 | | | | | |
| | | | 20 | | | | | |

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# LANGAN

Log of Boring **LB-2** Sheet 2 of 3

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Dense, light brown, fine to coarse SAND, (SP), some clay, moist | 20–23 | S-4 | CR | 17.5 | 13, 24, 50/5.5" | |
| | | Very stiff, dark brown, CLAY, (CL), trace fine sand, moist | 23–28 | S-5 | SPT | 18 | 2, 4, 13 | |
| | | Medium dense, light brown, silty fine SAND, (SM), dry | 28–30 | | | | | |
| | | Medium dense, brown, clayey fine SAND, (SC), trace silt, moist | 30–33 | S-6 | CR | 18 | 6, 12, 21 | |
| | | Medium dense, gray-brown, silty fine to medium SAND, (SM), moist | 33–38 | S-7 | SPT | 18 | 5, 8, 10 | |
| | | Stiff, gray-brown, CLAY, (CL), trace fine sand, moist | 38–45 | S-8 | CR | 18 | 6, 11, 13 | |

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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# LANGAN

Log of Boring **LB-2** Sheet 3 of 3

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Stiff, gray-brown, CLAY, (CL), trace fine sand, moist | 45 | S-9 | SPT | 18 | 3 5 9 | |
| | | | 46 | | | | | |
| | | | 47 | | | | | |
| | | | 48 | | | | | |
| | | | 49 | | | | | |
| | | Stiff, gray-brown, CLAY, (CL), trace fine sand, wet | 50 | S-10 | CR | 18 | 1 2 14 | |
| | | | 51 | | | | | |
| | | Medium dense, brown, fine to coarse SAND, (SP), some clay, wet | 52 | | | | | |
| | | End boring at 51.5 feet<br>Groundwater First measured @ 46 feet<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | 53 | | | | | |
| | | | 54 | | | | | |
| | | | 55 | | | | | |
| | | | 56 | | | | | |
| | | | 57 | | | | | |
| | | | 58 | | | | | |
| | | | 59 | | | | | |
| | | | 60 | | | | | |
| | | | 61 | | | | | |
| | | | 62 | | | | | |
| | | | 63 | | | | | |
| | | | 64 | | | | | |
| | | | 65 | | | | | |
| | | | 66 | | | | | |
| | | | 67 | | | | | |
| | | | 68 | | | | | |
| | | | 69 | | | | | |
| | | | 70 | | | | | |

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# LANGAN

Log of Boring **LB-3** Sheet 1 of 2

| | |
|---|---|
| Project: Proposed Senior Housing Development | Project No.: 700101401 |
| Location: 4952 Warner Avenue, Huntington Beach, CA | Elevation and Datum: Approx. 40 feet (WGS84) |
| Drilling Company: MARTINI DRILLING | Date Started: 06/25/2021 / Date Finished: 06/25/2021 |
| Drilling Equipment: TRUCK MOUNTED CME 75 | Completion Depth: 36.5 ft / Rock Depth: |
| Size and Type of Bit: 8-INCH O.D. HOLLOW STEM AUGER | Number of Samples: Disturbed 7, Undisturbed 0, Core --- |
| Casing Diameter (in): --- / Casing Depth (ft): --- | Water Level (ft.): First ▽ ---, Completion ▼ ---, 24 HR. ▼ --- |
| Casing Hammer: --- / Weight (lbs): --- / Drop (in): --- | Drilling Foreman: Gene Golar |
| Sampler: 2-INCH O.D SPLIT SPOON & 3-INCH O.D. CALIFORNIA MODIFIED | Field Engineer: Alexander Corob |
| Sampler Hammer: AUTOMATIC / Weight (lbs): 140 LBS. / Drop (in): 30-INCH | |

| Material Symbol | Elev. (ft) | Sample Description | Depth Scale | Sample Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Asphalt = 2.5-inches / Aggregate Base = 4.5-inches | 0 | | | | | |
| | | **FILL** Dark brown, sandy CLAY, (CL), some gravel, dry | 1, 2, 3, 4 | | | | | |
| | | Dark brown, stiff, brown, CLAY, (CL), dry | 5 | S-1 | CR | 18 | 7 9 9 | |
| | | TERRACE Medium dense, gray, clayey fine to medium SAND, (SC), dry | 6, 7, 8 | | | | | |
| | | Medium dense,gray-brown, fine SAND, (SP), some silt, dry | 9, 10, 11, 12, 13, 14 | S-2 | SPT | 18 | 3 6 8 | |
| | | Medium dense, gray-brown, medium to coarse SAND, (SP), dry | 15, 16, 17, 18, 19, 20 | S-3 | CR | 18 | 9 13 15 | |

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# LANGAN

Log of Boring **LB-3** Sheet 2 of 2

| Project | Project No. |
|---|---|
| Proposed Senior Housing Development | 700101401 |
| **Location** | **Elevation and Datum** |
| 4952 Warner Avenue, Huntington Beach, CA | Approx. 40 feet (WGS84) |

| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data: Number | Type | Recov. (in) | Penetr. resist BL/6in | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|---|---|---|---|---|---|---|---|---|
| | | Medium dense, gray-brown, clayey fine SAND, (SC), trace silt, moist | 20–23 | S-4 | SPT | 18 | 4, 8, 13 | |
| | | Very stiff, dark brown, CLAY, (CL), trace fine sand, dry | 25–26 | S-5 | CR | 18 | 9, 15, 22 | |
| | | Very stiff, dark brown, CLAY, (CL), trace fine sand and siltstone fragment, dry | 30–31 | S-6 | SPT | 18 | 4, 3, 5 | |
| | | Stiff, brown, CLAY, (CL), trace fine to coarse sand, dry | 35–36 | S-7 | CR | 18 | 7, 9, 20 | |
| | | Medium dense, gray, fine SAND, (SP), trace silt, dry | | | | | | |
| | | End boring at 36.5 feet<br>Groundwater Not Encountered<br>Boring backfilled with grout tremie style<br>Surface patch with cold patch asphalt. | | | | | | |

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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# APPENDIX C
# Laboratory Test Results

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# DENSITY TESTS

**PROJECT** Langan # 700101401 **JOB NO.** 2012-0057 **BY** LD **DATE** 07/02/21

| Sample No. | LB-2 / S-4 | LB-2 / S-6 | LB-3 / S-3 | LB-3 / S-5 | | | | |
|---|---|---|---|---|---|---|---|---|
| Depth (ft) | 20.0 | 30.0 | 15.0 | 25.0 | | | | |
| Testing | | | | | | | | |
| Soil Type | Brown, Silty Sand | Brown, Sandy Clay | Brown, Silty Sand | Brown, Sandy Clay | | | | |
| Wet+Tare | 1113.3 | 935.6 | 670.4 | 1041.0 | | | | |
| No. Ring | 6 | 5 | 4 | 6 | | | | |
| Wet Weight | 137.1 | 109.7 | 134.4 | 158.9 | | | | |
| Dry Weight | 134.2 | 90.4 | 129.0 | 138.9 | | | | |
| Wet density | 118.2 | 119.5 | 103.2 | 108.1 | | | | |
| % Water | 2.2 | 21.3 | 4.2 | 14.4 | | | | |
| Dry Density | 115.7 | 98.5 | 99.1 | 94.5 | | | | |
| O.B.Press(psf) | | | | | | | | |
| Sample No. | | | | | | | | |
| Depth (ft) | | | | | | | | |
| Testing | | | | | | | | |
| Soil Type | | | | | | | | |
| Wet+Tare | | | | | | | | |
| No. Ring | | | | | | | | |
| Wet Weight | | | | | | | | |
| Dry Weight | | | | | | | | |
| Wet density | | | | | | | | |
| % Water | | | | | | | | |
| Dry Density | | | | | | | | |
| O.B.Press(psf) | | | | | | | | |

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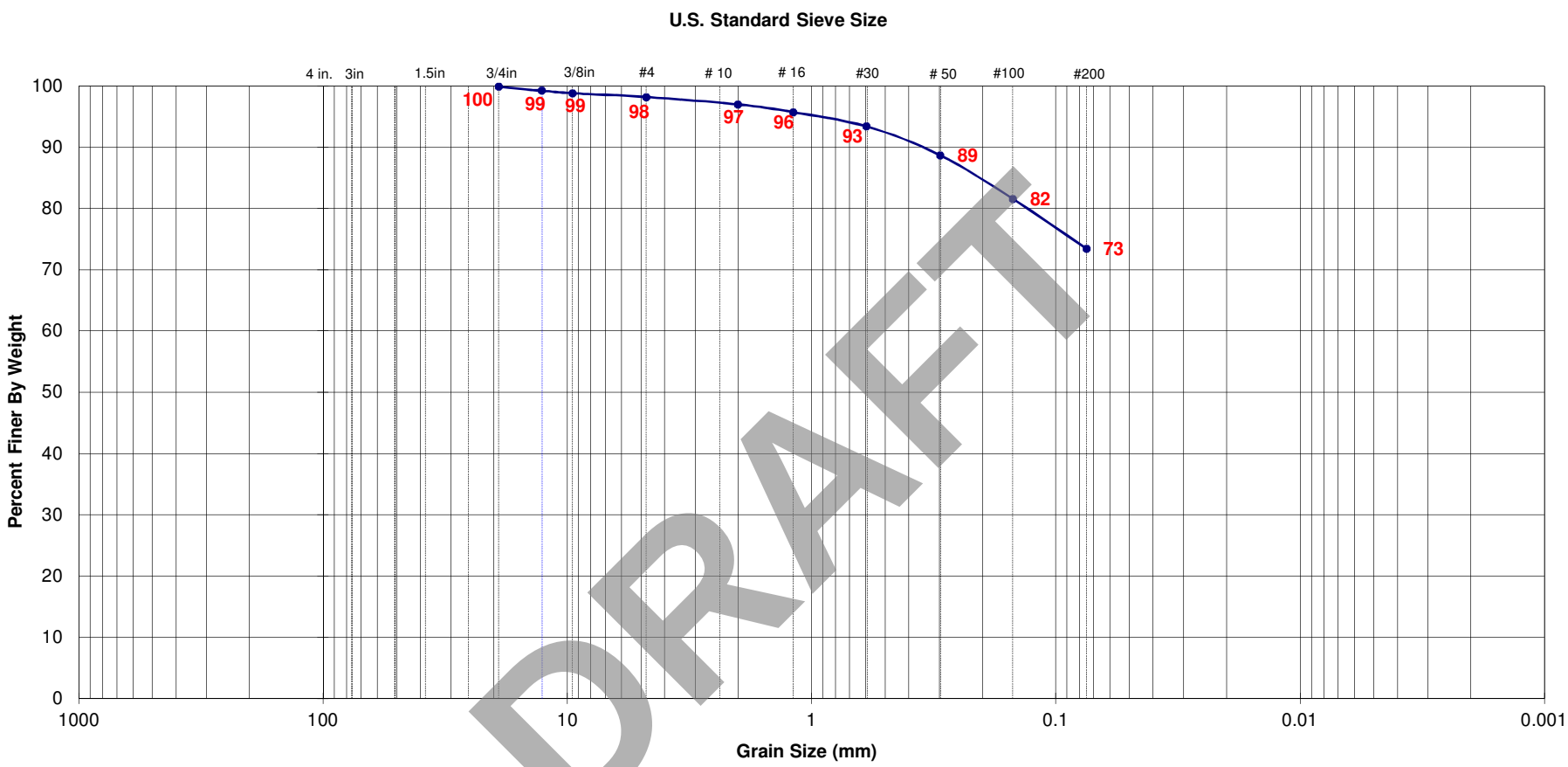
Date: 7/2/21

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| Boring / Sample No. | Initial Dry Density (pcf) | Initial Moist. (%) | Test Dry Density (pcf) | Test Moist. (%) | Permeabilty, k (cm/sec) | LL | PL | PI | Unified Soil Class. | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| LB-2 / Bulk | | | | | | | | | CL | |
| | | | | | | | | | | |
| | | | | | | | | | | |

# EXPANSION INDEX - UBC 18-2 & ASTM D 4829-88

PROJECT Langan # 700101401 JOB NO. 2012-0057

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample | LB-2 / Bulk | | By LD | | Sample | | | By | |
| Sta. No. | | | | | Sta. No. | | | | |
| Soil Type | Brown, Silty Clay | | | | Soil Type | | | | |
| Date | Time | Dial Reading | Wet+Tare | 616.4 | Date | | Dial Reading | Wet+Tare | |
| 6/29/2021 | 16:20 | 0.2823 | Tare | 219.8 | | | | Tare | |
| | | H2O | Net Weight | 396.6 | | | | Net Weight | |
| 6/30/2021 | 10:00 | 0.231 | % Water | 10.1 | | | | % Water | |
| | | | Dry Dens. | 109.1 | | | | Dry Dens. | |
| | | | % Max | | | | | % Max | |
| | | | Wet+Tare | 659.4 | | | | Wet+Tare | |
| | | | Tare | 219.8 | | | | Tare | |
| | | | Net Weight | 439.6 | | | | Net Weight | |
| **INDEX** | 51 | 5.1% | % Water | 22.0 | **INDEX** | | | % Water | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample | | | By | | Sample | | | By | |
| Sta. No. | | | | | Sta. No. | | | | |
| Soil Type | | | | | Soil Type | | | | |
| Date | | Dial Reading | Wet+Tare | | Date | | Dial Reading | Wet+Tare | |
| | | | Tare | | | | | Tare | |
| | | | Net Weight | | | | | Net Weight | |
| | | | % Water | | | | | % Water | |
| | | | Dry Dens. | | | | | Dry Dens. | |
| | | | % Max | | | | | % Max | |
| | | | Wet+Tare | | | | | Wet+Tare | |
| | | | Tare | | | | | Tare | |
| | | | Net Weight | | | | | Net Weight | |
| **INDEX** | | | % Water | | **INDEX** | | | % Water | |

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# WASH #200 SIEVE - ASTM D 1140-92

| | | | |
|---|---|---|---|
| Job Name | Langan # 700101401 | Date | 7-2-21 |
| Job No. | 2012-0057 | By | LD |

| **Sample** | LB-1 / S-3 | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | 16.4 | % water | | % water | |
| Wet weight | 274.1 | Wet weight | | Wet weight | |
| Dry weight | 235.5 | Dry weight | | Dry weight | |
| + 200 sieve | 146.5 | + 200 sieve | | + 200 sieve | |
| % Retained | 62.2 | % Retained | | % Retained | |
| **%Pass. #200** | **38** | **%Pass. #200** | | **%Pass. #200** | |

| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

| **Sample** | | **Sample** | | **Sample** | |
|---|---|---|---|---|---|
| Soil Type | | Soil Type | | Soil Type | |
| % water | | % water | | % water | |
| Wet weight | | Wet weight | | Wet weight | |
| Dry weight | | Dry weight | | Dry weight | |
| + 200 sieve | | + 200 sieve | | + 200 sieve | |
| % Retained | | % Retained | | % Retained | |
| **%Pass. #200** | | **%Pass. #200** | | **%Pass. #200** | |

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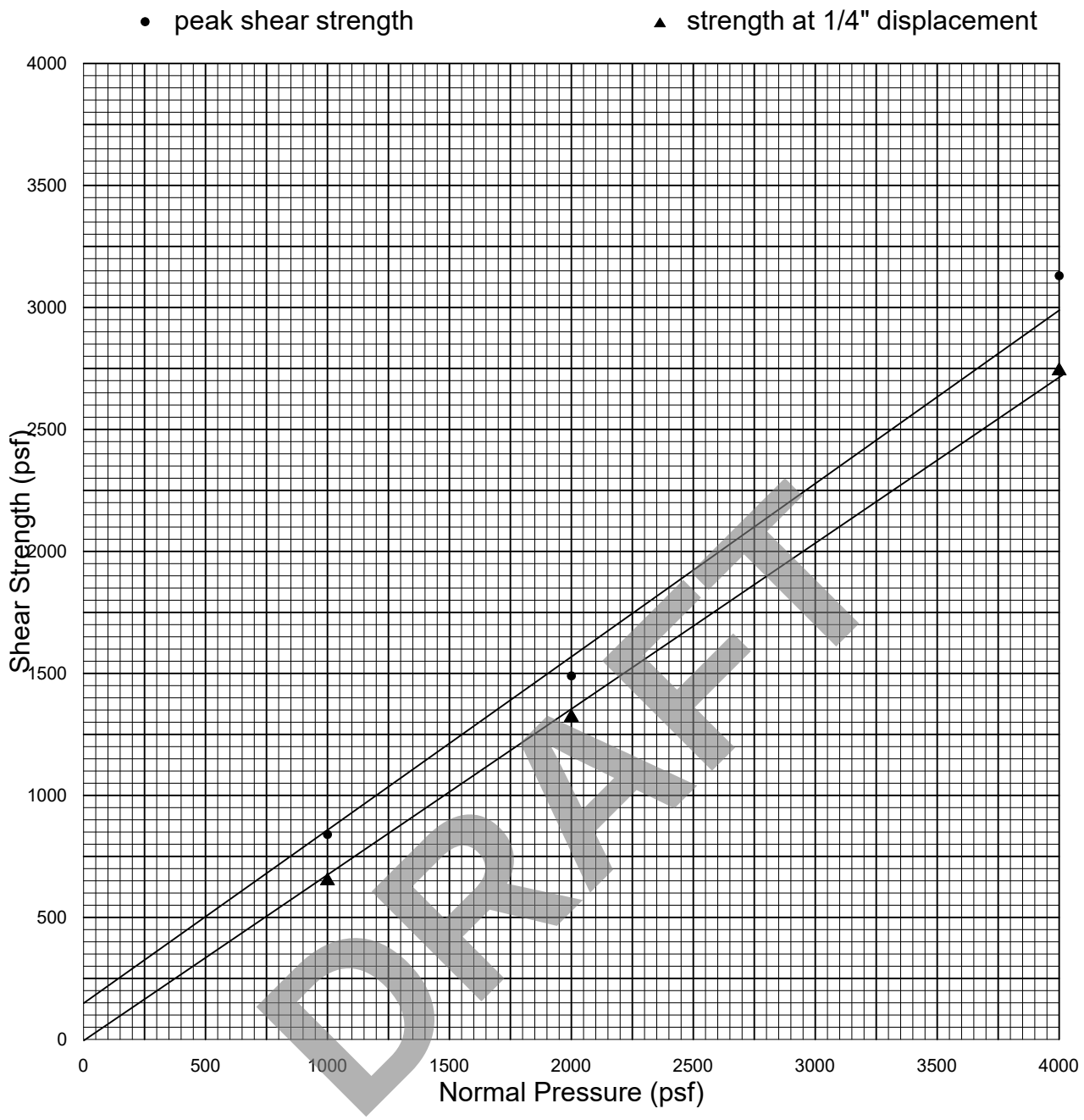
# DIRECT SHEAR TEST - ASTM D-3080






Strain Rate: 0.0084 in. / min.

| Sample | Type | Description | Dry Density (pcf) | Initial W.C. (%) | Final W.C. (%) |
|---|---|---|---|---|---|
| LB3/S3 | Undisturbed & Saturated | Silty Sand | 99.1 | 4.2 | 24.5 |

| Normal Pressure (psf) | Peak Shear Strength (psf) | Ultimate Shear Strength (psf) |
|---|---|---|
| 1000 | 840 @ 0.1155" | 650 |
| 2000 | 1490 @ 0.1450" | 1320 |
| 4000 | 3130 @ 0.1600" | 2740 |
| | C = 150 psf | C = 0 psf |
| | $\phi$ = 35 deg. | $\phi$ = 33.5 deg. |

| SAMPLE NO.: | LB-2 / Bulk | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | 1' - 5' | | | | | | | | | | | | | | |
| DIRECT SHEAR TEST (type) | | | | | | | | | | | | | | | |
| Initial Moisture Content % | | | | | | | | | | | | | | | |
| Dry Density (pcf) | | | | | | | | | | | | | | | |
| Normal Stress (psf) | | | | | | | | | | | | | | | |
| Peak Shear Stress (psf) | | | | | | | | | | | | | | | |
| Ultimate Shear Stress (psf) | | | | | | | | | | | | | | | |
| Cohesion (psf) | | | | | | | | | | | | | | | |
| Internal Friction Angle (degrees) | | | | | | | | | | | | | | | |
| EXPANSION TEST UBC STD 18-2 | | | | | | | | | | | | | | | |
| Initial Dry Density (pcf) | | | | | | | | | | | | | | | |
| Initial Moisture Content % | | | | | | | | | | | | | | | |
| Final Moisture Content % | | | | | | | | | | | | | | | |
| Pressure (psf) | | | | | | | | | | | | | | | |
| Expansion Index Swell % | | | | | | | | | | | | | | | |
| CORROSIVITY TEST | | | | | | | | | | | | | | | |
| Resistivity (ASTM G57) (ohm-cm) | 540 | | | | | | | | | | | | | | |
| pH (ASTM D4972) | 7.8 | | | | | | | | | | | | | | |
| CHEMICAL TESTS | | | | | | | | | | | | | | | |
| Soluble Sulfate (ASTM D4327) (%) | 0.1296 | | | | | | | | | | | | | | |
| Chloride Content (ASTM D4327) (%) | 0.0447 | | | | | | | | | | | | | | |
| Wash #200 Sieve (ASTM-1140) % | | | | | | | | | | | | | | | |
| Sand Equivalent (ASTM D2419) | | | | | | | | | | | | | | | |

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