Initial Study/Mitigated Negative Declaration
Dowdell Industrial Park Project

Prepared for:

City of Rohnert Park
Development Services
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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AFY	acre-feet per year
APN	Assessor's Parcel Number
ATC	ATC Group Services LLC
BA	Biological Assessment
BAAQMD	Bay Area Air Quality Management District
CAAQS	California Ambient Air Quality Standards
CAPCOA	California Air Pollution Control Officers Association
CAR	Climate Action Reserve
CARB	California Air Resources Board
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFDW	California Department of Fish and Wildlife
CH_4	methane
CHRIS	California Historical Resources Information System
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2	carbon dioxide
CRHR	California Register of Historical Resources
CTS	California Tiger Salamander
DOC	California Department of Conservation
DPS	Department of Public Safety
DTSC	Department of Toxic Substances Control
EI	Expansion Index
EIR	Environmental Impact Report
EMP	Emergency Management Plan
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
EV	electric vehicle
FEMA	Federal Emergency Management Agency
FTA	Federal Transit Administration
GHG	greenhouse gases
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
IS/MND	Initial Study/Mitigated Negative Declaration
LID	Low Impact Design
LOS	level of service
LRA	local responsibility area
LUST	leaking underground storage tank

Acronym/Abbreviation	Definition
MGD	million gallons per day
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewer system
MT CO_2e	metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NWIC	Northwest Information Center
O_3	ozone
OAA	Ostergaard Acoustical Associates
OEHHA	Office of Environmental Health Hazard Assessment
PM	particulate matter
PM_{10}	particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$	particulate matter less than or equal to 2.5 microns in diameter
PRC	Public Resources Code
QA/QC	quality assurance/quality control
ROG	reactive organic gases
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCT	Sonoma County Transit
SCWA	Sonoma County Water Agency
SFBAAB	San Francisco Bay Area Air Basin
TAC	toxic air contaminant
TCR	tribal cultural resource
TIS	Traffic Impact Study
UGB	Urban Growth Boundary
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
VMT	vehicle miles traveled
VOC	Volatile Organic Compounds
WELO	water efficient landscape ordinance

1 Introduction

1.1 Project Overview and Location

The Dowdell Industrial Park project ("proposed project") proposes to construct two concrete tilt-up buildings for light manufacturing, warehouse, or research and development uses located at the southwest corner of Business Park Drive and Dowdell Avenue in the City of Rohnert Park, California, as shown on Figure 1, Regional Location. The project site is approximately 10.3-acres (Assessor's Parcel Number (APN) 143-040-134) bordered by Business Park Drive to the north, Dowdell Avenue and undeveloped land to the east, undeveloped land and apartments (Fiori Estates) to the south, and industrial uses to the west. Undeveloped land is located north of Business Park Drive with the Graton Resort, Casino is located to the northwest, and a self-storage facility located to the northeast, as shown on Figure 2, Project Location.

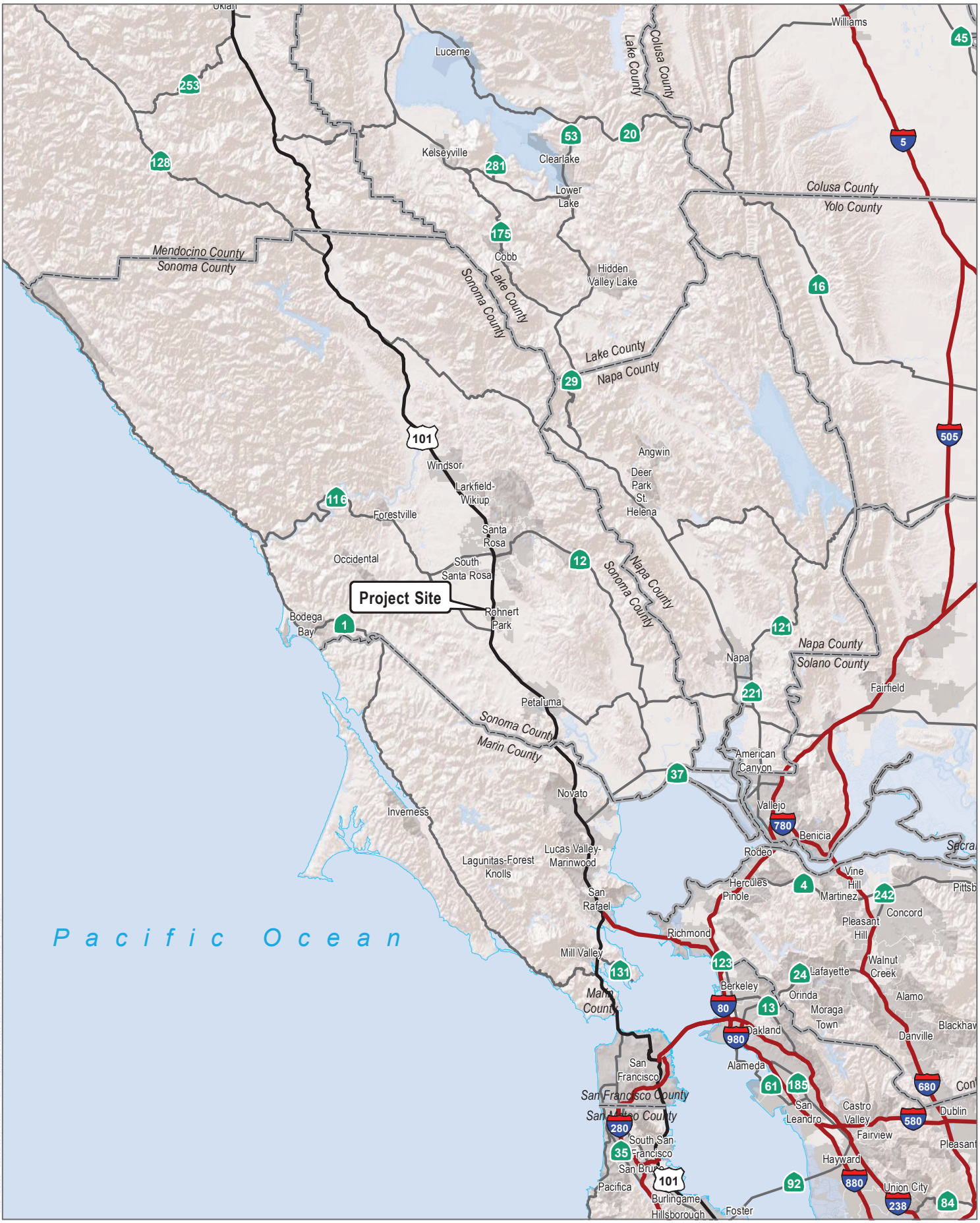
1.2 California Environmental Quality Act Compliance

This Initial Study has been prepared per the requirements of the California Environmental Quality Act (CEQA) of 1970 (Public Resources Code [PRC] Section 21000, et seq.), and the CEQA Guidelines (California Code of Regulations, Title 14, Section 15000 et seq.). The City of Rohnert Park ("City") is the lead agency for the project and would approve the project and adopt the Mitigated Negative Declaration (MND).

1.3 Public Review Process

The Initial Study and proposed MND will be circulated for public review for a period of 30 days, pursuant to CEQA Guidelines Section 15073(a). The City of Rohnert Park will provide public notice at the beginning of the public review period.

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SOURCE: ESRI 2020

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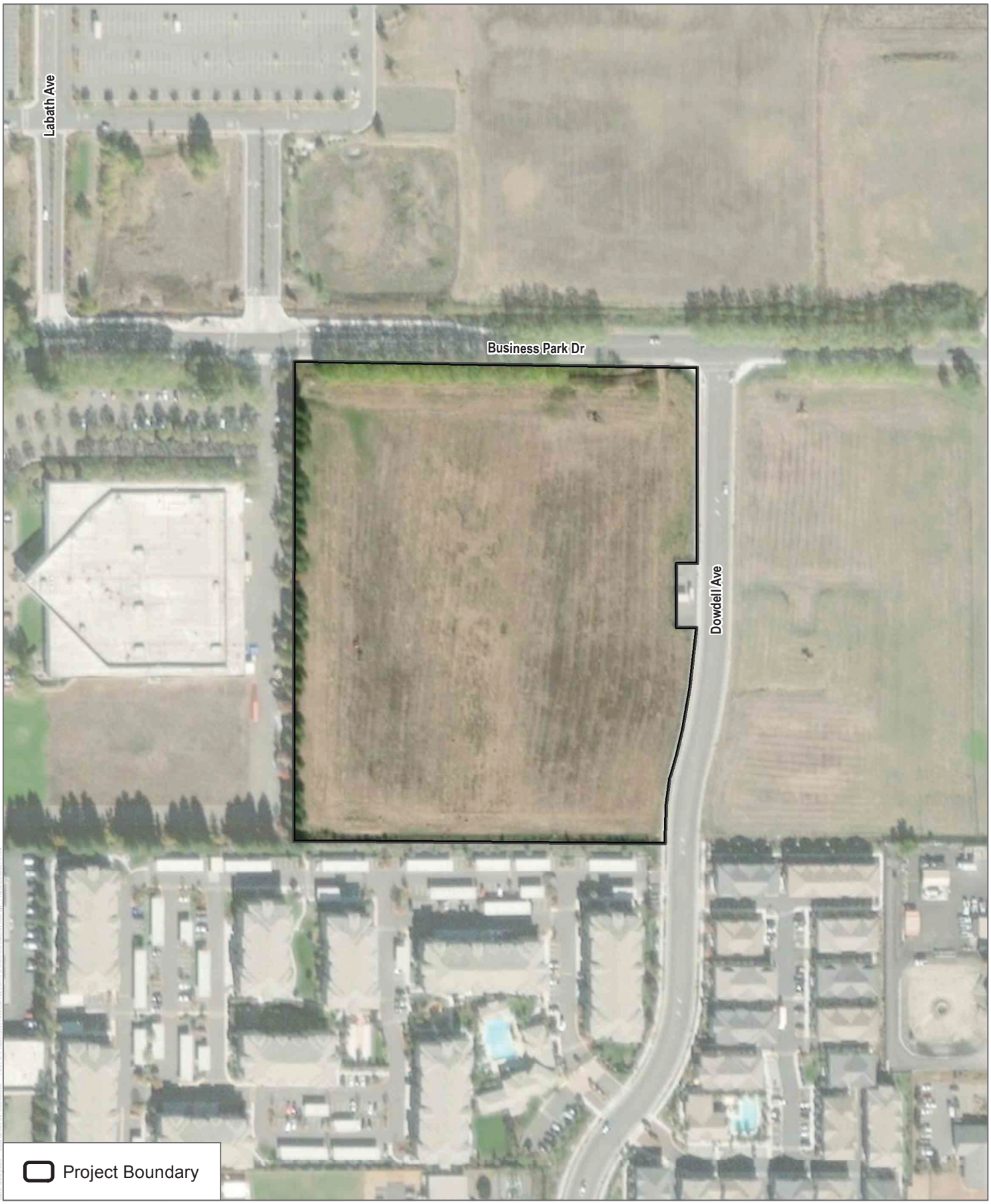
0 31,000 62,000 Feet

FIGURE 1

Regional Location

Dowdell Industrial Park Project

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SOURCE: ESRI 2018

DUDEK

0 100 200 Feet
0 25 50 Meters
1:2,400

FIGURE 2

Project Location

Dowdell Industrial Park Project

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2 Summary of Findings

2.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project. All of the impacts can be reduced to a less-than-significant level with mitigation measures identified in the following checklist.

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

2.2 Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

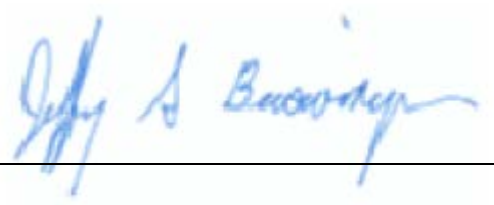
☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ 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 revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

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

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

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



Signature

5-15-2020

Date

3 Initial Study Checklist

1. **Project title:**

   Dowdell Industrial Park Project

2. **Lead agency name and address:**

   City of Rohnert Park
   Development Services
   130 Avram Avenue
   Rohnert Park, California 94928-2486

3. **Contact person and phone number:**

   Suzie Azevedo, Planner I
   707.588.2236

4. **Project location:**

   SW Corner of Dowdell Avenue and Business Park Drive (No address assigned yet)
   APN: 143-040-134

5. **Project sponsor's name and address:**

   Jim Damrell, Panattoni Development Company Inc.
   8775 Folsom Blvd., Suite 200
   Sacramento, California 95826

6. **General plan designation:**

   Industrial

7. **Zoning:**

   I-L: Industrial

8. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

   None

9. **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 only Native American tribe that has requested consultation is the Federated Indians of Graton Rancheria (Tribe). The City sent a letter to the Tribe on October 31, 2019, pursuant to AB 52. The City met with the Tribe on November 6, 2019, regarding the project.

10. **Description of project**

The project proposes to construct two concrete tilt-up buildings for light manufacturing, warehouse, or research and development uses on a 10.3-acre site. Each building would be approximately 90,000 square feet (sf) for a total of approximately 180,000 sf of building space. A total of 289 parking spaces would be provided.

Project Location and Site Characteristics

As shown on Figure 1, Regional Location, the project site is located in the City of Rohnert Park, Sonoma County, California. The site is situated in the northwest portion of the City on vacant land at the intersection of Dowdell Avenue and Business Park Drive. A row of planted sycamore trees occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees on the western property boundary. These trees will remain through construction. No buildings are present on the site.

The project site is mostly flat with an elevation range of about 95 to 102 feet above mean sea level. Historically, the site has been altered by agriculture, placement of fill, and grading activities associated with development of land located on the east side of the project site. Figure 2, Project Location provides an aerial overview of the proposed site.

Sonoma County Transit (SCT) is the principal transit service in northwest Rohnert Park. The project site is served by two bus stops through SCT. One stop is located 0.18 mile from the site near the intersection of Business Park Drive and Redwood Drive. The second stop is also located 0.18 mile from the site near the intersection of Martin Avenue and Labath Avenue.

Surrounding Land Uses and Setting

The project site is located in a developing part of the City. A mix of land uses surround the project site, including multi-family residential, office, agricultural, commercial, industrial, and vacant lots. The following land uses are located in the vicinity of the project site:

- North of the site is primarily agricultural land, as well as tribal lands of the Federated Indians of Graton Rancheria (which includes the Graton Rancheria Casino) to the northwest.
- East of the site is undeveloped land.
- South of the site is the Fiori Estates Apartments.
- West of the site are industrial/commercial parcels.

Project Characteristics

The project applicant is proposing to develop the site with two industrial buildings with uses ranging from light manufacturing to research and development. Figure 3, Site Plan shows the proposed layout for the buildings and associated parking. As shown on the site plan, the proposed buildings would be constructed as a "cold shell". This means that the buildings would be constructed with an unfinished interior and lack heating, ventilation, and air conditioning. Future tenants would purchase space in the building, and would be responsible for tenant improvements depending on how they plan to use the space. The project applicant has provided "potential future office" locations on their site plans to depict how this could look. As shown on Figure 3, loading dock spaces are proposed internal to the site at the rear of the buildings with vehicle parking around the perimeter of the site.

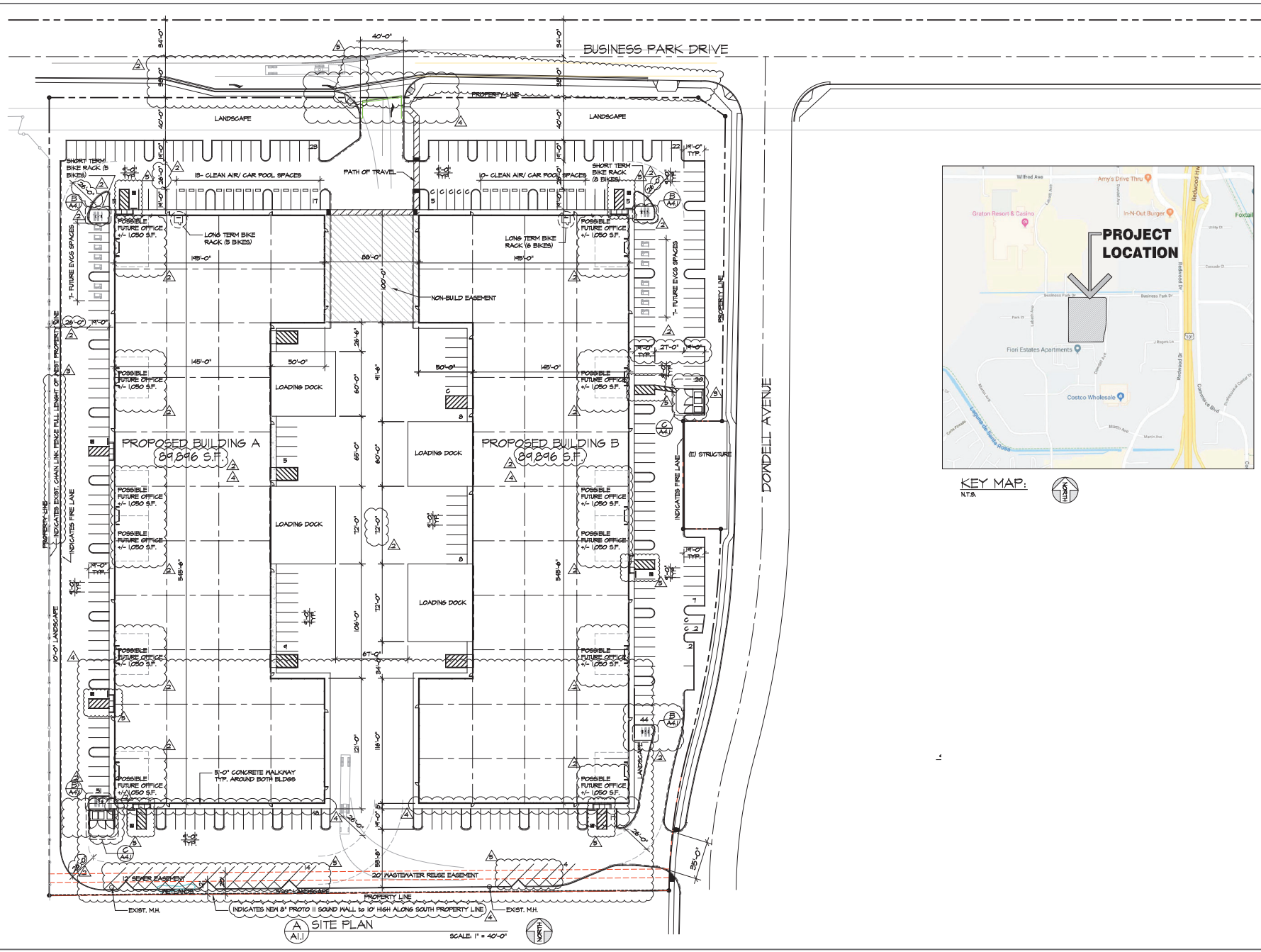
Access to the site would be provided from Dowdell Avenue and Business Park Drive, as shown on Figure 3. The project proposes to construct two curb cuts for vehicle access from Dowdell Avenue and Business Park Drive. The first 35-foot wide entrance is located on the southeast corner of the project site and Dowdell Avenue. This entrance would provide access to the parking lot and loading docks. The primary entrance would be from Business Park Drive and would provide a right-turn in and right-turn out only. This 40-foot wide entrance is located on the north side of the project site, as depicted on Figure 3. The project applicant is proposing to construct a right turn pocket at the entrance off Business Park Drive.

The proposed parking lot surrounds the entire site and includes extra parking on the interior adjacent to the loading docks. The project applicant is proposing to include a total of 289 parking spaces, which includes 8 compact spaces, 7 accessible parking, 23 clean air/van pool spaces, and 14 future electric vehicle (EV) charging stations. In addition, two bicycle racks are provided in the northern portion of the site. Two trash enclosures would also be located at the southern portion of the site. The parking lot would also include a ten-foot tall concrete masonry sound wall proposed along the southern boundary to minimize potential noise impacts to nearby residences.

The project applicant is proposing a wide variety of landscape improvements surrounding the site. A combination of trees, shrubs, groundcover, and bio-infiltration plants would be used to meet the City of Rohnert Park's landscaping requirements. The proposed plant palette contains native and adaptive, low water use varieties that are well-suited to the climate. As stated previously, a row of existing redwoods and sycamores would remain on the northern and western property lines. In addition, the project proposes planting 69 new trees including crape myrtle, Chinese pistache, London plane, and Frontier elms.

Plants would be grouped into zones with similar water demand requirements and all planter areas would be covered in 3-inches of mulch. The site would also provide multiple bio-retention areas on the north and east side of the project site. Groundcover and shrubs would surround the proposed trees to fill out the site and complete the landscaping. All proposed landscaping would be irrigated through a fully automatic system that meets current water efficient landscape ordinance (WELO) requirements.

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SOURCE: GBDH Design, INC.

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FIGURE 3

Site Plan

Dowdell Industrial Park Project

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Water

The project would tie into the City's water system. Existing water mains are located in the streets adjacent to the project site. Two points of connection to the water system are proposed. One connection would tie into the existing 8-inch waterline on Business Park Drive to the north. The second connection point would tie into the existing 12-inch waterline in Dowdell Avenue to the east.

Based on the water study conducted by Morton Pitalo, the project site is assumed to have an available residual pressure of 45-psi. Based on this residual pressure, the fire flow water demand requirements for the project are within conformance of the City's and Fire District's standards. A hydrant fire flow test has not yet been completed by the City, but it is anticipated adequate water pressure would be available for fire purposes.

Recycled Water

The project would tie into the City's recycled water system to serve irrigation demands. There is an existing 12-inch recycled water main in Dowdell Avenue adjacent to the project site.

Wastewater

To serve wastewater demands, the proposed project would tie into the City's existing sanitary sewer system. There is an existing 6-inch sewer line stubbed to the project site from the south. The existing line is located at the southern property line adjacent to Dowdell Avenue.

Stormwater

In addition to flood control, the City has adopted the City of Santa Rosa and County of Sonoma Storm Water Low Impact Design (LID) Technical Design Manual (LID Manual) to address stormwater runoff quality and quantity from new development and redevelopment or infill projects. To meet the design goal, the project would include bioretention areas sized in accordance with LID requirements to achieve the 100% volume capture goal to ensure post project conditions would be the same as pre-project conditions.

Sustainability Features

The proposed project would include the following sustainability features:

- Compliance with current Title 24, Part 6, of the California Code of Regulations energy efficiency standards at the time of building construction.
- Compliance with current Title 24, Part 11, of the California State Building Code "Green Building Standards Code" in effect at the time of construction.
- During both construction and operation of the project, the project would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended. During construction, all waste generated would be recycled to the maximum extent possible.

Project Entitlements and Required Approvals

The proposed project would require the following City approvals:

- Site Plan and Architectural Review
- Conditional Use Permit

3.1 Aesthetics

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

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

Scenic vistas are defined as an expansive view of highly valued landscape features (e.g., mountain range, lake, or coastline) observable from a publicly accessible vantage point. In the project vicinity, publically accessible vantage points are limited to public roads (Business Park Drive and Dowdell Avenue). As described in Chapter 3, Community Design of the City of Rohnert Park General Plan, Highway 101 has been designated as a scenic corridor by Sonoma County (City of Rohnert Park 2017). While the project site is in close proximity to Highway 101, the site is not visible from the highway due to existing development and mature trees to the east of the project site.

The project would be constructed in an existing industrial, regional commercial, and high-density residential area. There are no scenic resources or unique natural features at or adjacent to the site. The site is graded and has been previously disturbed. Due to the relatively flat topography and the existing built environment,

no scenic vistas occur in the project area. Therefore, the project would have **no impact** on scenic vistas nor result in damage to scenic resources.

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

The project site is comprised of vacant and previously graded land and does not contain any buildings. The site does not include any scenic resources except for a row of sycamore trees along the northern site boundary adjacent to Business Park Drive as well as a row of coast redwood trees, which occur along the western property boundary. These trees would remain based on the current project description. In addition, there are no state scenic highways near the project site, as identified by the California Scenic Highway Mapping System (Caltrans 2011). The project would not substantially damage any scenic resources; therefore, impacts of the project would be **less than significant**.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

The project site is located in the City of Rohnert Park and the area surrounding the project site is developed with a mix of uses and would be considered an urbanized area. For the purposes of this analysis, a substantial degradation of the existing visual character or quality of the site would occur if the project would conflict with the underlying zoning or any other City regulations that govern scenic quality. The project site is designated and zoned as "Industrial" on the City's Zoning Map and in the City's General Plan. Thus, the proposed use of the site with industrial buildings would be consistent with the underlying zoning and surrounding development. The project would not conflict with any of the City's goals and policies contained in the City's General Plan, Chapter 3, Community Design specific to ensuring future development maintains the City's scenic resources. While there would be a change in the visual character of the site, the project's impact related to visual character would be **less than significant.**

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

The proposed project would increase nighttime lighting from vehicles at the site, parking lot lights, and building lights. However, due to development in the surrounding area, a significant amount of ambient nighttime lighting currently exists and affects nighttime views in the area. In addition, the project would be required to comply with the City of Rohnert Park's lighting and glare standards (Municipal Code Section 17.12.050). This section requires all lighting, reflective surfaces, and other sources of illumination to be utilized in a manner that produces no glare on public streets or on any other parcel. Lighting shall be the minimum illumination necessary for a given application and shall be directed downward/shielded. The project would adhere to these conditions which would ensure that potential impacts remain **less than significant.**

Mitigation Measures

No mitigation measures are required.

3.2 Agriculture and Forestry Resources

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

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

The proposed project is located in an area of existing industrial, regional commercial, and high density residential uses. The project site has been previously disturbed and does not contain land that is designated as prime agricultural soils by the Natural Resources Conservation Service. The California Department of Conservation (DOC 2016) also has not identified the site as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The project site is designated as "Farmland of Local

Importance" by the DOC. Farmland of Local Importance is defined as soils that would be classified as prime and statewide, but lack available irrigation water. Farmland of Local Importance is not considered agricultural lands based on Section 21060.1 of the Public Resources Code. Therefore, there would be **no impact** related to converting important farmland to non-agricultural use.

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

The project site is designated and zoned "Industrial" according to the Rohnert Park General Plan (Rohnert Park 2019b). The site is not planned for or used for any agricultural or forestry purposes and the proposed project would not result in the conversion of any agricultural forestland, conflict with any agricultural use, or conflict with a Williamson Act contract. Therefore, there would be **no impact** related to conflict of zoning or a Williamson Act Contract.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

The project site is designated as industrial in the City's General Plan and zoned I-L (Light Industrial) (Rohnert Park 2019a, Rohnert Park 2019b). A row of sycamore trees occurs along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees occur along the western property boundary. No portion of the project site is considered forest land[1] as defined in PRC Section 12220(g). Timberland[2] (as defined by PRC Section 4526) or timberland-zoned timberland production[3] (as defined by Section 51104(g) of the Government Code) is not present on site, nor are there any active or potential commercial timber operations present in the area. Therefore, the proposed project would not conflict with lands zoned for forest land, timberland, or timberland production and there would be **no impact**.

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

Refer to answer provided in 'c" above.

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

Refer to answers provided in 'a', 'b', and 'c' above.

Mitigation Measures

No mitigation measures are required.

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1 "Forest land" is land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits.

2 "Timberland" means land, other than land owned by the federal government and land designated by the board as experimental forest land, which is available for, and capable of, growing a crop of trees of a commercial species used to produce lumber and other forest products, including Christmas trees. Commercial species shall be determined by the board on a district basis.

3 "Timberland production zone" or "TPZ" means an area, which is devoted to and used for growing and harvesting timber, or for growing and harvesting timber and compatible uses.

3.3 Air Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, 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?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The Bay Area Air Quality Management District (BAAQMD) adopted updated CEQA Air Quality Guidelines, including new thresholds of significance in June 2010 (BAAQMD 2010), which were revised in May 2011. The CEQA Air Quality Guidelines advise lead agencies on how to evaluate potential air quality impacts, including establishing quantitative and qualitative thresholds of significance. The BAAQMD resolutions adopting and revising the significance thresholds in 2011 were set aside by a judicial writ of mandate on March 5, 2012. In May 2012, the BAAQMD updated its CEQA Air Quality Guidelines to continue to provide direction on recommended analysis methodologies, but without recommended quantitative significance thresholds (BAAQMD 2012). On August 13, 2013, the First District Court of Appeal ordered the trial court to reverse the judgment and upheld the BAAQMD's CEQA thresholds. The BAAQMD CEQA Air Quality Guidelines were recently re-released in May 2017 and include the same thresholds as in the 2010 and 2011 Guidelines for criteria air pollutants, toxic air contaminants (TACs), and greenhouse gases (GHGs) (BAAQMD 2017a). The Guidelines also address the December 2015 Supreme Court's opinion (*California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal. 4th 369). These BAAQMD significance thresholds are summarized in Table 3.3-1.

In general, the BAAQMD significance thresholds for reactive organic gases (ROG), oxides of nitrogen (NO_x), particulate matter with an aerodynamic resistance diameter of 10 micrometers or less (PM_{10}), particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less ($PM_{2.5}$), and carbon monoxide (CO) address the first three air quality significance criteria. The BAAQMD maintains that these thresholds are intended to maintain ambient air quality concentrations of these criteria air pollutants below state and federal standards and to prevent a cumulatively considerable contribution to regional nonattainment with ambient air quality standards. The TAC thresholds (cancer and noncancer risks) and local CO thresholds address the fourth significance criterion, and the BAAQMD odors threshold addresses the fifth significance criterion.

Table 3.3-1. Thresholds of Significance

Pollutant	Construction Thresholds	Operational Thresholds	
	Average Daily Emissions (lbs/day)	*Average Daily Emissions (lbs/day)*	*Maximum Annual Emissions (tons/year)*
ROG	54	54	10
NO_x	54	54	10
PM_{10}	82 (exhaust)	82	15
$PM_{2.5}$	54 (exhaust)	54	10
$PM_{10}/PM_{2.5}$ (fugitive dust)	Best Management Practices	None	
Local CO	None	9.0 ppm (8-hour average, 20.0 ppm (1-hour average)	
Risks and Hazards (Individual Project)	Compliance with Qualified Community Risk Reduction Plan or Increased cancer risk of >10.0 in a million Increased noncancer risk of >1.0 Hazard Index (Chronic or Acute) Ambient $PM_{2.5}$ increase >0.3 µg/m^3 annual average Zone of Influence: 1,000-foot radius from property line of source or receptor		
Risks and Hazards (Cumulative)	Compliance with Qualified Community Risk Reduction Plan or Cancer risk of >100 in a million (from all local sources) Noncancer risk of >10.0 Hazard Index (chronic, from all local sources) Ambient $PM_{2.5}$ >0.8 µg/m^3 annual average (from all local sources) Zone of Influence: 1,000-foot radius from property line of source or receptor		
Accidental Release of Acutely Hazardous Air Pollutants	None	Storage or use of acutely hazardous material located near receptors or new receptors located near stored or used acutely hazardous materials considered significant	
Odors	None	Five confirmed complaints to BAAQMD per year averaged over 3 years	

Source: BAAQMD 2017a

lbs/day = pounds per day; tons/year = tons per year; ppm = parts per million; µg/m^3 = micrograms per cubic meter; ROG = reactive organic gases; NO_x = oxides of nitrogen; PM_{10} = particulate matter with an aerodynamic resistance diameter of 10 micrometers or less; $PM_{2.5}$ = fine particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less; CO = carbon monoxide

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

An area is designated as "in attainment" when it is in compliance with the federal and/or state standards. These standards are set by the U.S. Environmental Protection Agency (EPA) or California Air Resources Board (CARB) for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or public welfare with a margin of safety. The project site is located within the San Francisco Bay Area Air Basin (SFBAAB), which is designated non-attainment for the federal 8-hour ozone (O_3) and 24-hour $PM_{2.5}$ standards. The area is in attainment or unclassified for all other federal standards. The area is designated non-attainment for state standards for 1-hour and 8-hour O_3, 24-hour PM_{10}, annual PM_{10}, and annual $PM_{2.5}$.

On April 19, 2017, the BAAQMD adopted the *Spare the Air: Cool the Climate Final 2017 Clean Air Plan* (BAAQMD 2017b). The 2017 Clean Air Plan provides a regional strategy to protect public health and protect the climate. To protect public health, the 2017 Clean Air Plan includes all feasible measures to reduce emissions of O_3 precursors (ROG and NO_x) and reduce O_3 transport to neighboring air basins. In addition, the 2017 Clean Air Plan builds upon the BAAQMD efforts to reduce fine particulate matter (PM) and toxic

air contaminants (TACs). To protect the climate, the 2017 Clean Air Plan defines a vision for transitioning the region to a post-carbon economy needed to achieve ambitious GHG reduction targets for 2030 and 2050, and provides a regional climate protection strategy that will put the Bay Area on a pathway to achieve those GHG reduction targets.

The BAAQMD Guidelines identify a three-step methodology for determining a project's consistency with the current Clean Air Plan. If the responses to these three questions can be concluded in the affirmative and those conclusions are supported by substantial evidence, then the BAAQMD considers the project to be consistent with air quality plans prepared for the Bay Area.

The first question to be assessed in this methodology is "does the project support the goals of the Air Quality Plan"? The BAAQMD-recommended measure for determining project support for these goals is consistency with BAAQMD thresholds of significance. If a project would not result in significant and unavoidable air quality impacts, after the application of all feasible mitigation measures, the project would be consistent with the goals of the 2017 Clean Air Plan. As indicated in the following discussion with regard to air quality impact questions b) and c), the project would result in less than significant construction and operational emissions. Therefore, the project would be considered to support the primary goals of the 2017 Clean Air Plan and is consistent with the current Clean Air Plan.

The second question to be assessed in this consistency methodology is "does the project include applicable control measures from the Clean Air Plan?" The 2017 Clean Air Plan contains 85 control measures aimed at reducing air pollution in the Bay Area. Projects that incorporate all feasible air quality plan control measures are considered consistent with the Clean Air Plan. The project includes plans for approximately 180,000 square-feet of light industrial uses and associated above ground parking. The control strategies of the 2017 Clean Air Plan include measures in the categories of stationary sources, the transportation sector, the buildings sector, the energy sector, the agriculture sector, natural and working lands, the waste sector, the water sector, and super-GHG pollutant measures. Depending on the control measure, the tools for implementation include leveraging the BAAQMD rules and permitting authority, regional coordination and funding, working with local governments to facilitate best policies in building codes, outreach and education, and advocacy strategies. Since the proposed project would comply with all applicable BAAQMD rules and would incorporate energy efficiency and green building measures in compliance with state standards and/or local building codes, the project would include applicable control measures from the 2017 Clean Air Plan.

The third question to be assessed in this consistency methodology is "does the project disrupt or hinder implementation of any control measures from the Clean Air Plan?" Examples of how a project may cause the disruption or delay of control measures include a project that precludes an extension of a transit line or bike path, or proposes excessive parking beyond parking requirements. The proposed project would not create any barriers or impediments to planned or future improvements to transit or bicycle facilities in the area, nor would it include excessive parking. Therefore, the proposed project would not hinder implementation of 2017 Clean Air Plan control measures.

In summary, the responses to all three of the questions with regard to Clean Air Plan consistency are affirmative and the proposed project would not conflict with or obstruct implementation of the 2017 Clean Air Plan. This is a **less-than-significant impact**.

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?

The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions from construction and operation of the proposed project (see Appendix A for the model outputs). CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant and GHG emissions associated with the construction and operational activities from a variety of land use projects, such as residential, commercial, and industrial facilities. CalEEMod input parameters, including the proposed project land use type and size and construction schedule were based on information provided by the project applicant, or default model assumptions if project specifics were unavailable.

Construction. Construction of the proposed project would involve construction of approximately 180,000 square-feet of industrial uses and associated above ground parking. For the purposes of quantifying air emissions, construction is anticipated to begin in May 2020 and would take approximately 7.5 months to complete. Construction would involve site preparation and grading of the site. During grading, approximately 21,000 cubic yards of soil would be exported. Sources of emissions would include: off-road construction equipment exhaust, on-road vehicles exhaust and entrained road dust (i.e., material delivery trucks and worker vehicles), fugitive dust associated with site preparation and grading activities, and paving and architectural coating activities. Detailed assumptions associated with project construction are included in Appendix A.

Average daily emissions were computed by dividing the total construction emissions by the number of active construction days, which were then compared to the BAAQMD construction thresholds of significance. Table 3.3-2 shows average daily construction emissions of O_3 precursors (ROG and NO_x), PM_{10} exhaust, and $PM_{2.5}$ exhaust during project construction.[4]

Table 3.3-2. Average Daily Unmitigated Construction Emissions

Year	ROG	NO_x	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
	pounds per day			
2020	11.1	22.5	3.8	2.6
BAAQMD Construction Thresholds	*54*	*54*	*82*	*54*
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: Appendix A
Note: The values shown are average daily emissions based on total overall tons of construction emissions, converted to pounds, and divided by 166 active work days.
ROG = reactive organic gases; NOx = oxides of nitrogen; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter

As shown in Table 3.3-2, construction of the proposed project would not exceed BAAQMD significance thresholds. Criteria air pollutant emissions during construction would be less than significant. Although the BAAQMD does not have a quantitative significance threshold for fugitive dust, the BAAQMD's CEQA Guidelines recommend that projects determine the significance for fugitive dust through application of best management practices (BMPs). The project contractor would be required as either standard conditions of

[4] Fuel combustion during construction and operation would also result in the generation of sulfur dioxide (SO_2) and CO. These values are included in Appendix A. However, since the SFBAAB is in attainment of these pollutants, the BAAQMD has not established a quantitative mass-significance threshold for comparison and are not included in the project-generated emissions tables in this document. Notably, the BAAQMD does have screening criteria for operational localized CO.

approval or included as part of the tentative map requirements to implement the following BMPs that are required of all projects:

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

Implementation of the required fugitive dust control measures would ensure air quality and fugitive dust-related impacts associated with construction would remain **less than significant**.

Operation. Operation of the project would generate criteria pollutant (including ROG, NO_x, PM_{10}, and $PM_{2.5}$) emissions from mobile sources (vehicular traffic), area sources (consumer products, architectural coatings, landscaping equipment), and energy sources (natural gas appliances, space and water heating). CalEEMod was used to estimate daily emissions from project-related operational sources. The CalEEMod default trip generation rate was adjusted to match the project-specific information presented in the traffic analysis. Table 3.3-3 summarizes the daily mobile, energy, and area emissions of criteria pollutants that would be generated by project development and compares the emissions to BAAQMD operational thresholds.

Table 3.3-3. Daily Unmitigated Operational Emissions

Source	ROG	NO_x	PM_{10}	$PM_{2.5}$
	pounds per day			
Area	4.3	<0.1	<0.1	<0.1
Energy	0.1	1.3	0.1	0.1
Mobile	1.8	8.7	5.0	1.4
Total	**6.2**	**10.0**	**5.1**	**1.5**
BAAQMD Operational Thresholds	*54*	*54*	*82*	*54*
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: Appendix A.

Note: The values shown are the maximum summer or winter daily emissions results from CalEEMod. Values of "<0.1" indicate that the estimated emissions are less than one decimals.
ROG = reactive organic gases; NOx = oxides of nitrogen; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter

As indicated in Table 3.3-3, project-related operational emissions of ROG, NO_x, PM_{10}, and $PM_{2.5}$ would not exceed the BAAQMD significance thresholds during operations, and thus, the proposed project would have a **less than significant** impact in relation to regional operational emissions.

In regards to localized CO concentrations, according to the BAAQMD thresholds, a project would result in a less than significant impact if the following screening criteria are met:

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

The proposed project would generate minimal new traffic trips and would comply with the BAAQMD screening criteria. Accordingly, project-related traffic would not exceed CO standards and therefore, no further analysis was conducted for CO impacts. This CO emissions impact would be considered **less than significant** on a project-level and cumulative basis.

Past, present, and future development projects may contribute to the region's adverse air quality impacts on a cumulative basis. Per BAAQMD's CEQA Guidelines, by its nature air pollution is largely a cumulative impact; no single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be considered cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, if the proposed project's emissions are below the BAAQMD thresholds or screening criteria, then the proposed project's cumulative impact would be considered to be less than significant.

As described in criterion "b" above, criteria pollutant emissions generated by short-term construction and long-term operations of the project would not exceed the BAAQMD significance thresholds. Thus, the project would have a **less than significant** cumulative impact in relation to regional emissions. In addition, project-related traffic would not exceed the BAAQMD CO screening criteria and would result in a **less than significant cumulative impact** in relation to localized CO.

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

The BAAQMD has adopted project and cumulative thresholds for three risk-related air quality indicators for sensitive receptors: cancer risks, noncancer health effects, and increases in ambient air concentrations of $PM_{2.5}$. These impacts are addressed on a localized rather than regional basis and are specific to the sensitive receptors identified for the project. Sensitive receptors are groups of individuals, including children, the elderly, the acutely ill, and the chronically ill, that may be more susceptible to health risks due

to chemical exposure, and sensitive-receptor population groups are likely to be located at hospitals, medical clinics, schools, playgrounds, childcare centers, residences, and retirement homes (BAAQMD 2017a). The closest existing sensitive receptors are existing multi-family apartments located adjacent to the project site to the south.

Toxic Air Contaminants

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology (OEHHA 2015). In addition, some TACs have non-carcinogenic effects. TACs that would potentially be emitted during construction activities would be diesel particulate matter, emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB air toxic control measures to reduce diesel particulate matter emissions. According to the OEHHA, health risk assessments, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of proposed construction activities (approximately 7-months) would only constitute a small percentage of the total 30-year exposure period.

Regarding long-term operations, the site plan for the project locates the loading docks of the building nearest along the eastern side of Building 1 and western side of Building 2. This design would provide a distance buffer between any diesel trucks loading/unloading at the facility and proximate residences. Additionally, the proposed project would not result in non-permitted stationary sources that would emit air pollutants or TACs. Operation of the proposed project would generate criteria air pollutant emissions; however, the proposed project would not exceed the BAAQMD mass-emission thresholds, as shown in Tables 3.3-2 and 3.3-3.

Health Impacts of Criteria Air Pollutants

Volatile Organic Compounds (VOCs) (also referred to as ROG) would be associated with motor vehicles, construction equipment, and architectural coatings; however, project-generated VOC emissions would not result in the exceedances of the BAAQMD thresholds. Generally, the VOCs in architectural coatings are of relatively low toxicity. Additionally, BAAQMD Regulation 8, Rule 3 restricts the VOC content of coatings for both construction and operational applications. ROG and NOx are precursors to O_3, for which the SFBAAB is designated as nonattainment with respect to the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) and. The health effects associated with O_3 are generally associated with reduced lung function. The contribution of ROG and NOx to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SFBAAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the ROG emissions would occur because exceedances of the O_3 NAAQS and CAAQS tend to occur between May and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of quantitative methods to assess this impact. Nonetheless, because ROG and NO_x emissions associated with construction and/or operation would not exceed the BAAQMD significance thresholds (as depicted in Tables 3.3-2 and 3.3-3), it is not anticipated that the proposed project would contribute substantially to regional O_3 concentrations and the associated health effects. Impacts are considered less than significant and no mitigation is required.

As shown in Tables 3.3-2 and 3.3-3, construction and operation of the proposed project would not exceed thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter or would obstruct the SFBAAB from coming into attainment for these pollutants. Additionally, the proposed project would implement dust control strategies and be required to implement the BAAQMD BMPs, which limits the amount of fugitive dust generated during construction. Due to the minimal contribution of particulate matter during construction and operation, health impacts would be considered less than significant and no mitigation is required.

Construction and operation of the proposed project would not contribute to exceedances of the NAAQS and CAAQS for NO_2. Health impacts that result from NO_2 include respiratory irritation, which could be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, proposed project construction would be relatively short term, and off-road construction equipment would be operating at various portions of the site and would not be concentrated in one portion of the project site at any one time. In addition, existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Construction of the proposed project would result in a minimal increase in localized NO_2 emissions and would not contribute to exceedances of the NAAQS and CAAQS for NO_2. Therefore, the proposed project is not anticipated to result in substantial NO_2 emissions or the potential health effects associated with NO_2. Impacts are considered less than significant and no mitigation is required.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, thereby reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to the health effects associated with this pollutant. In summary, health impacts of criteria air pollutants would be less than significant, and no mitigation is required.

In summary, the proposed project would not expose sensitive receptors to substantial, long-term pollutant concentrations or health risk during construction or operations, and this impact would be **less than significant** on a project-level and cumulative basis.

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

BAAQMD has identified typical sources of odor in the CEQA Air Quality Guidelines, a few examples of which include manufacturing plants, rendering plants, coffee roasters, wastewater treatment plants, sanitary landfills, and solid waste transfer stations. While sources that generate objectionable odors must comply with air quality regulations, the public's sensitivity to locally produced odors often exceeds regulatory thresholds. The project would not include uses that have been identified by BAAQMD as potential sources of objectionable odors. Potential odor impacts would be **less than significant**.

Mitigation Measures

No mitigation measures are necessary.

3.4 Biological Resources

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

A Biological Assessment (BA) of the project site was conducted in 2017 by Wiemeyer Ecological Sciences and is included in Appendix B. The purpose of the BA was to describe existing, onsite biological resources and identify potentially significant impacts than could occur from future development on the 10.3-acre project site. The BA includes a literature search and results of field surveys.

The project site is located within the Santa Rosa Plain Conservation Strategy study area, which has distinct protocols for the survey and reporting for California tiger salamander (*Ambystoma californiense*) and several special-status plant species, as well as mitigation requirements for different zones within the study area. Non-native annual grasslands and seasonal wetlands on site provide potential habitat for several special- status plant species.

Habitat types at the site consist of non-native annual grassland habitat and seasonal wetland habitat. A row of sycamore (*Platanus racemosa*) trees occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood (*Sequoia sempervirens*) trees occur along the western property boundary. The project site is mostly flat with a slight slope to the northwest. Elevations range from 89 to 97 feet above sea level. The site has been annually disked and mowed for several years as part of agricultural practices. The site consists of one soil type: Clear Lake clay, sandy substratum, drained 0% to 2% slopes (CeA) (NRCS 2017).

The project site can be classified as disturbed and developed. The vegetation within this land cover type is typical of non-native grass and forb species found in previously graded lots.

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

Special-status biological resources present or potentially present on the project site were identified through a search of the California Department of Fish and Wildlife (CFDW) California Natural Diversity Database (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) database, and the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants of California. These databases were queried for a list of all plant and animal species reported from the Cotati, Santa Rosa, Kenwood, Glen Ellen, Petaluma River, Point Reyes NE, Two Rock, Sebastopol U.S. Geologic Survey 7.5–minute quadrangles (nine quad search).

For this analysis, special-status species are those that are (1) listed, proposed for listing, or candidates for listing under the federal Endangered Species Act as threatened or endangered; (2) listed or candidates for listing under the California Endangered Species Act as threatened or endangered; (3) a state fully protected species; (4) a CDFW Species of Special Concern; or (5) a species listed on the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants of California. This includes plants designated with a California Rare Plant Rank of 1B or 2B. Special-status vegetation communities are those communities identified as high priority for inventory in the List of Vegetation Alliances and Associations (CDFG 2010) with a state rarity ranking of S1, S2, or S3.

On April 5, April 9, and May 24, 2017, Wiemeyer and Associates conducted field visits to assess habitat suitability for special-status plant and animal species that have the potential to use the site for foraging or nesting. This analysis assumed that the entire project site would be permanently impacted by development.

Seasonal Wetlands

A wetland delineation was performed at the site in 2013 by North Fork Associates. A total of 0.005 acre of seasonal wetlands were delineated at the southern site boundary. The United States Army Corps of Engineers (USACE) confirmed the extent of the seasonal wetlands at the site. Dominant plant species in the seasonal wetland include Italian ryegrass (*Lolium multiflorum*), Harding grass (*Phalaris aquatica)*,

Mediterranean barley (*Hordeum marinum*), and bristly oxtongue (*Helminthotheca echioides*). This wetland has been degraded as a result of past agricultural uses and surrounding development.

Special-Status Plants

The CNDDB includes an occurrence of Sebastopol meadowfoam on the project site dating from 2012. However, no special-status plants were observed during protocol-level surveys conducted in 2017, which were conducted during months when potentially occurring special-status plants would be detectable. Past agricultural land uses have greatly diminished the likelihood that special-status plant species would be present on the site. Non-native annual grassland is the dominant plant community on the site, which is a result of human disturbance, primarily from years of livestock grazing and agricultural practices. However, the seasonal wetland may be suitable habitat for three federally endangered plant species covered by the Santa Rosa Plain Conservation Strategy: Burke's goldfields (*Lasthenia burkei*), Sonoma sunshine (*Blennosperma bakeri*), and Sebastopol meadowfoam (*Limnanthes vinculans*).

Other special-status plants with potential to occur in both the seasonal wetlands and non-native annual grasslands are pappose tarplant (*Centromadia parryi* ssp. *parryi*), dwarf downingia (*Downingia pusilla*), legenere (*Legenere limosa*), Baker's navarretia (*Navarretia leucocephala* ssp. *bakeri*), and saline clover (*Trifolium hydrophilum*).

Wildlife

The site provides limited habitat value for wildlife species, primarily because of the history of agricultural use; however potential habitat for various special-status wildlife species remains on the site, as discussed below.

Birds and Bats

No active bird nests were observed during the three site visits in 2017, but the site does provide suitable nesting habitat for ground-nesting birds and suitable foraging habitat for several bird and bat species. The sycamore trees along Business Park Drive and the coast redwoods both provide suitable habitat for migratory birds and bat roosting habitat. Future construction of the industrial park at the project site could result in impacts to nesting birds, including the direct loss of nests, eggs, and fledglings if vegetation is cleared and ground disturbing activities occur during nesting season. The Federal Migratory Bird Treaty Act and California Fish and Game Code 3503.5 protect all raptor and native migratory birds in California.

California Tiger Salamander (CTS)

The Sonoma population of the CTS is a federally and State threatened amphibian species. This species uses vernal pools, ephemeral pools, and sometimes stream courses and man-made pools if predatory fish are absent, for breeding. CTS use annual grassland and valley and foothill hardwood forest for aestivation and overland dispersal habitat.

The project site is located within CTS critical habitat and is located within the study area of the Santa Rosa Plain Conservation Strategy. The project site is mapped in the Conservation Strategy as "Future Development", but the Biological Opinion issued for the implementation of the Conservation Strategy mapped the project site as an area where development "May adversely affect listed plants and would likely adversely affect CTS". The seasonal wetlands on-site do not provide suitable breeding habitat for CTS due to the shallow depth of features and the short inundation period. To confirm the closest known location of

CTS, a search of the CNDDB for this IS/MND identified the two nearest occurrences of CTS are approximately 3,000 feet to the north of the site and date from 2002. The proposed project would result in a loss of approximately 10.3 acres of suitable upland habitat for CTS.

Development of the project site would have a direct or indirect impact to protected species and/or their habitat. Therefore, impacts would be considered potentially significant. Compliance with mitigation measures BIO--2, BIO-3, and BIO-4 identified below would ensure impacts would be reduced to **less-than-significant with mitigation.**

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

There are no riparian areas or sensitive natural communities located within the project site. Therefore, the proposed project would have **no impact** to these resources. .

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?

A total of 0.005-acre of seasonal wetland habitat occurs along the southern boundary of the site, as discussed above. The seasonal wetland has been degraded and lacks the native vernal pool species that typically occur in high quality seasonal wetlands, presumably due to prior agricultural activities on the site. Nevertheless, seasonal wetlands are considered suitable habitat for three federally endangered plant species known to occur in the Santa Rosa Plain. The project is proposing to fill this seasonal wetland which would be considered a significant impact. Compliance with Mitigation Measure BIO-1 would ensure the impact would be reduced to **less–than-significant with mitigation**.

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?

Wildlife corridors are linear and/or regional habitats that provide connectivity to other natural vegetation communities within a landscape fractured by urbanization and other development. There is existing development on three sides of the project site, which would not allow for easy travel, migration, or breeding within the site. The project site does not function as a wildlife corridor and does not support any wildlife nursery sites. Thus, there would be **no impact** to wildlife corridors or wildlife nursery sites.

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

The City's General Plan Policy EC-9 states: "As part of the City's Capital Improvement Program (see Policy GM-15 in the Chapter 2: Land Use and Growth Management), incorporate a tree planting program for new and existing streets and maintenance of existing trees." In accordance with the City's Chapter 17.15 – Tree Preservation and Protection Ordinance 17.15.030 (Requirements), "No person shall alter, remove, or relocate any tree on private property that is not exempted by this chapter, unless the community

development director or his/her designee has issued a tree removal permit in accordance with Section 17.15.040" (Permit processing).

Exemptions for a tree permit are presented in Section 17.15.030 (B)(2), which states that the following trees shall be exempt from the requirements of the chapter: "Any proposed tree alteration, removal, or relocation which is part of a larger project. In such cases, the alteration, removal, or relocation shall be processed along with the primary entitlement request which was submitted for the project." Section 17.15.030 (B)(5) states that the following trees are exempt from the tree permit requirements: "Acacia spp. (Acacia), Ailanthus spp. (Tree of Heaven), Eucalyptus spp., Ligustrum spp. (Privet), Liquidambar styraciflua (Liquidambar), Pinus radiata (Monterey Pine), or Populus nigra italic (Lombardy poplar)."

The site is mainly devoid of trees, but a row of sycamore trees occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees are adjacent to the western property boundary. The applicant is proposing to preserve these trees and incorporate them into the project's landscaping plan. The project would not conflict with any city policies or ordinances protecting biological resources; therefore there would be **no impact**.

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

As previously discussed, the project site is located within the area covered by the Santa Rosa Plain Conservation Strategy. The purpose of the conservation strategy is to create a long-term conservation program to assist in the recovery of CTS and special-status plant species. The project would comply with Mitigation Measure BIO-3 to ensure that potential conflicts with the Santa Rosa Plain Conservation Strategy remains **less than significant**.

Mitigation Measures

Mitigation Measures BIO-1 through BIO-4 include all preconstruction survey requirements, as well as protocols to follow in the event special-status species or potential special-status species habitat are identified. Compliance with these mitigation measures ensures potential impacts to protected species or their habitat would be reduced to less than significant.

Mitigation Measure BIO-1 *Wetland Permits*: The project applicant shall obtain permit authorization from the U.S. Army Corps of Engineers under the 404 Nationwide Permit Program and the State Water Resources Control Board under the 401 Water Quality Certification Program for the loss of 0.005 acre of seasonal wetland habitat and shall replace 0.0005 acre of wetland habitat at a 1:1 ratio at an approved wetland mitigation bank.

Mitigation Measure BIO-2: *Preconstruction Nesting Bird Surveys.* If construction is proposed during the breeding season (February 1 through August 30), a preconstruction nesting bird survey shall be conducted at the project site (plus a 250-foot buffer for raptors) by a qualified biologist 14 days prior to the beginning of construction activities. If no active nests are found during the preconstruction survey, no further mitigation is required.

If any active nests are found within 250-feet of the project alignment, a temporary buffer shall be determined and flagged by the qualified biologist based on the location of the nest and planned

construction activity in the vicinity of the nest. These nests shall be avoided until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist.

Mitigation Measure BIO-3: *Preconstruction Survey for Burrowing Owl and Upland Habitat Assessment for California Tiger Salamander*

Burrowing Owl

A qualified biologist shall conduct take avoidance surveys for burrowing owl within 14 days prior to ground-disturbing activities at the project site, consistent with Appendix D of the Staff Report on Burrowing Owl Mitigation (CDFW 2012). The survey shall cover the limits of ground disturbance and potentially suitable nesting habitat within 300 feet, to the extent feasible. If ground-disturbing activities are delayed by more than 7 days, then an additional survey shall be conducted within 24 hours prior to ground disturbance. If no potential burrowing owl nests are detected during the take avoidance surveys, no additional actions are needed, and ground-disturbing activities may proceed.

If non-nesting burrowing owls are observed in or adjacent to the construction footprint during the survey, construction shall be postponed until the qualified biologist can fully implement a California Department of Fish and Wildlife-approved burrow exclusion plan (to be prepared by the qualified biologist). The exclusion plan shall be conducted in accordance with the Staff Report on Burrowing Owl Mitigation (CDFW 2012). Once owls have been successfully excluded and unoccupied burrows evacuated, construction in the area may proceed.

If nesting burrowing owls are observed during the survey, construction activities within 300 feet of occupied burrows shall be delayed until young owls have fledged and are independent of the burrow, as determined by a qualified biologist. The qualified biologist may reduce the 300-foot buffer based on the type, timing, extent, and intensity of the construction activity and other factors such as site topography and vegetation cover between the construction activity and the burrow. Once all young have fledged and are no longer dependent upon the nest burrow, the same burrow exclusion procedure described above shall be implemented prior to resuming construction activities in the area.

California Tiger Salamander

A qualified biologist shall conduct a California Tiger Salamander habitat assessment within the project site to verify the absence of suitable small mammal burrows, large cracks, or other suitable refugia within the project site, This survey can occur in conjunction with the burrowing owl preconstruction survey. In the event that suitable habitat is found onsite, the project applicant shall either conduct protocol-level surveys for CTS to demonstrate absence or obtain take authorization from CDFW, with associated compensatory mitigation.

Mitigation Measure BIO-4: ***Preconstruction Roosting Bat Habitat Assessment.*** At least 14 days prior to the commencement of any construction activities, a qualified biologist shall conduct a habitat assessment for bats within the project area. The habitat assessment shall include a visual inspection of potential roosting features and presence of guano. Potential roosting features found during the survey shall be flagged or marked. If bats are detected and cannot be completely avoided with an avoidance buffer of 50 feet or greater, a bat mitigation and monitoring plan shall

be developed in coordination with the California Department of Fish and Wildlife. If no roosting habitat is identified during the survey, no further measures shall be necessary.

3.5 Cultural Resources

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

A Cultural Resource Assessment for the Dowdell Industrial Park was conducted by Peak & Associates, Inc. on February 12, 2019. An additional records search was conducted for the project at the Northwest Information Center (NWIC) of the California Historical Resources Information System (CHRIS) on January 29, 2019. The report searched in a 0.125-mile radius of the project area. On October 4, 2019, Dudek expanded on this initial search and conducted a second records search with a half-mile radius around the project area.

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

Historical resource is a term with a defined statutory meaning (see Public Resources Code § 21084.1 and CEQA Guidelines § 15064.5(a), (b)). The term embraces any resources listed or determined to be eligible for listing in the National Register of Historic Places (NRHP), as well as some California State Landmarks and Points of Historical Interest. In addition, historical resources are evaluated against the California Register of Historical Resources (CRHR) criteria prior to making a finding as to the project's impacts on historical resources.

The project site consists of vacant graded land that was used for agricultural in the past. Currently, there are no built-features or structures on the site with the exception of trees along the northern and western site boundary. According to the results of the records search conducted in January 2019, there are no resources recorded within the project site. Dudek conducted another records search in October 2019 that included a 0.5-mile radius around the project site. Based on the results of this follow up records search. Due to the inclusion of sensitive information the results of these survey are consider confidential and not available for public review.

An intensive pedestrian level field survey of the project site was also conducted by Peak & Associates on February 11, 2019. Based on the field survey, no prehistoric period sites, historic period sites or historic landscapes were identified on the project site. However, during site disturbance there is the potential to

unearth unknown prehistoric or historic-era resources; therefore, with implementation of mitigation measure CUL-1 impacts to unknown historic resources would be **less-than-significant with mitigation**.

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

There are no known archeological resources onsite. However, during site disturbance and utility trenching there is always the potential to unearth subsurface archaeological resources. With implementation of Mitigation Measure CUL-1 impacts to cultural resources would be reduced to **less-than-significant with mitigation**.

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

During site disturbance and trenching for utilities there is always the chance of unearthing human remains. All construction would be required to comply with Health & Safety code 7050.5 (HSC, 1987) that sets forth the protocol to follow in the event of discovery or recognition of human remains, which includes stopping work until the county coroner can make a determination that the remains are not subject to the provisions of Section 27491 of the California Government Code which requires an investigation of all unnatural deaths or death. Or any other related provisions of the law related to circumstances, manner and cause of death.

If the coroner has reason to believe that the remains are those of a Native American, he or she shall contact within 24 hours, the Native American Heritage Commission. Compliance with the Health and Safety Code as well as mitigation measure CUL-2 would ensure impacts would be reduced to **less than significant.**

Mitigation Measures

Compliance with the following mitigation measures would ensure the proper procedures are followed in the event any resources are uncovered during any site disturbing activities. Impacts would be reduced to less than significant with the following measures.

Mitigation Measure CUL-1: The City shall require that prior to the initiation of ground-disturbing work, construction crews shall be made aware of the potential to encounter cultural resources and Tribal Cultural Resources (including the traditional importance of resources such as cultural landscapes, significant waterways, and ethnobotanical plants) through a presentation provided by an archeologist and a representative from the Federated Indians of Graton Rancheria (Tribe). In the event that archaeological resources (sites, features, or artifacts) or Tribal Cultural Resources (as defined by the Tribe and CEQA) are exposed during construction activities, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, that meets the Secretary of the Interior Professional Qualifications for Archaeology, can evaluate the significance of the find in consultation with the Tribe to determine whether or not additional study is warranted. Should it be determined by the archeologist in consultation with the Tribe, temporary flagging may be installed around this resource in order to avoid any disturbances from construction equipment. As approved by the City, this buffer may be adjusted by the archaeologist to a distance that maintains a protective perimeter around the unanticipated resource, while still allowing for construction to continue in the surrounding area.

Mitigation Measure CUL-2: If human remains are encountered, the City shall comply with all state laws. All project-related ground disturbance within 100 feet of the find shall be halted until the county coroner has

been notified. If the coroner determines that the remains are Native American, the coroner will notify the Native American Heritage Commission within 24 hours. The Native American Heritage Commission will identify the person or persons believed to be the most likely descendants from the deceased Native American. The most likely descendent may make recommendations regarding the means of treating or disposing of the remains with appropriate dignity. Project-related ground disturbance in the vicinity of the find shall not resume until all statutory requirements have been met and evidence of completion has been submitted to the City, in consultation with the Tribe.

3.6 Energy

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – 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?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

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?

The project plans to comply with the most current Title 24 California Building Code/Code of Regulations (2016), CAL Green Code, California Green Building Standards Code (2016), and 2016 energy standards at the time of building construction, as amended by the State of California and City of Rohnert Park. The project includes the construction of two "cold shell" buildings and any future tenants would be responsible to comply with all Title 24 energy requirements. During construction activities there would be heavy equipment required to clear and grade the site and to construct the buildings which would use diesel and gasoline to power the equipment. Construction equipment operators would not result in the unnecessary or inefficient use of resources. In addition, during both construction and operation of the project, the project applicant or their contractor would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended. During construction, all waste generated would be recycled to the maximum extent possible.

The project does not include the wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation. Therefore, the impact would be **less than significant.**

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

Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically (every

3 years) to incorporate and consider new energy efficiency technologies and methodologies. Title 24 also includes Part 11, CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential, and state-owned buildings, as well as schools and hospitals. The proposed project would meet Title 24 and CALGreen standards to reduce energy demand and increase energy efficiency. Furthermore, The City of Rohnert Park has a GHG reduction plan that focuses on municipal operations, and thus is not applicable to the proposed project. The City is working with other jurisdictions to implement the Sonoma County Community Climate Action Plan to serve all of Sonoma County; however, this plan has not yet been adopted. In addition, the City's 2040 General Plan will address climate change to be compliant with State policies and address private development; however, the plan is not yet adopted.

Overall, the project would not conflict with existing energy standards and regulations; therefore, impacts during construction and operation of the proposed project would be **less than significant**.

Mitigation Measures

No mitigation measures would be required.

3.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – 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? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☒	☐
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

Gularte & Associates, Inc. (2017) prepared a Geotechnical report for the Dowdell Industrial Park included as Appendix C. To conduct the report, they reviewed site geology and groundwater conditions, analyzed liquefaction potential, and observed subsurface conditions. The site is located within the northern portion of the Coast Ranges Geomorphic Province at an elevation of around 95-102 ft. The site is relatively geologically young and seismically active region on the western margin of the North American Plate. The site is traversed by the active Rodgers Creek, Healdsburg, and Maacama fault zones, with the Rogers Creek and Maacama being the closest to the site. Quaternary alluvial and colluvial deposits underlie the project site. These soils typically consist of layers of silt and clay with isolated lenses of sand and gravel. The results and recommendations from the Geotechnical report are referenced to prepare the 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? Refer to Division of Mines and Geology Special Publication 42.

The closest known active fault traces are those of the Rodgers Creek fault, approximately 3 miles northeast of the project site. In addition, the San Andreas Fault is located approximately 15 miles west of the city (City of Rohnert Park 2019a). The project site is located approximately 3 miles from any potentially active faults and from the nearest zoned fault (Rogers Creek Fault) and is not located within an Alquist-Priolo Fault Zone. Fault-line surface rupture would not be a hazard within the project site. Impacts related to fault rupture potential would be considered **less than significant**.

ii) Strong seismic ground shaking?

The extent of ground shaking is controlled by the magnitude and intensity of the earthquake, distance from the epicenter, and local geologic conditions. The closest active fault to the project site, the Hayward-Rogers Creek fault zone, is considered capable of generating a 6.8 earthquake. An earthquake of this magnitude would generate strong to violent seismic shaking at the project site. Such ground shaking is expected to result in significant structural damage. However, the

project would be required to have compliance with the state building code seismic requirements that would ensure ground-shaking remains less than significant.

iii) Seismic-related ground failure, including liquefaction?

Soil liquefaction most commonly occurs when ground shaking from an earthquake causes a sediment layer saturated with groundwater to lose strength and take on the characteristics of a fluid, thus becoming similar to quicksand. Liquefaction may also occur in the absence of a seismic event, when unconsolidated soil above hardpan become saturated with water. The majority of soils at the project site are characterized as fine grained and stiff, and these soils are not typically considered liquefiable. The overall probability of liquefaction remains low, making seismic-related ground failure a **less-than-significant impact**.

iv) Landslides?

The project vicinity and the project site is characterized as flat. The project site is not located within an area identified as being susceptible to landslides. This condition precludes the possibility of earthquake-induced landslides inundating the project site. Therefore, no impact would occur in association to landslides.

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

Erosion potential is low for almost all soils in the City of Rohnert Park, according to the Natural Resources Conservation Service (NRCS 2017). This low potential is primarily related to the high soil stability since the slopes in the city are generally less two percent. Instances of erosion are most likely to occur during construction, the removal of vegetation, and the effects of machinery. An acceptable degree of soil stability can be achieved by requiring incorporation of soil treatment programs (e.g., grouting, compaction, drainage control, lime treatment) in the excavation and construction phases of the project. Implementation of the recommended actions, grouting, compaction, drainage control, and lime treatment set forth in the Geotechnical Report (Appendix C) would ensure impacts related to erosion would remain **less than significant.**

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

Unstable geologic units or soils are characterized by materials lacking sufficient integrity to support urban development. The area surrounding the project site supports development, which indicates that geologic conditions in the area are capable of supporting the proposed development and would not be unstable. The onsite soils are considered suitable as fill material.

Based on the finding of the Geotechnical Report (see Appendix C), the site was observed to have medium brown low plasticity clays in the upper 10 feet, underlain by blue, high plasticity clays down at the bottom of the borings. During the tests, the report noted gas bubbling up and a Sulphur smell at roughly 30 feet down. The report recommended a lime treatment in all structural areas to mitigate damage to foundations and pavements.

The report also recommended further review of the gasses bubbling up on site. Further site review determined this gas to be methane from an unidentified source. This methane may be associated with geothermal activity or biogenic sources. This means that the concentration of this methane may vary due to geothermal conditions present on site. However, the laboratory analytical results of the soil gas samples did not indicate methane or other gases at concentrations in excess of applicable screening levels. Nevertheless, due to the uncertainties regarding the source of the methane and possible future changes in subsurface condition, the Geotechnical Report recommends industry standard methane mitigation measures and the following engineering solutions:

- Design and installation of a passive or active sub-slab venting/depressurization system beneath the entire footprint of each building,
- Installation of an engineered vapor barrier (e.g., GeoCore, Vapor Lock or LiquidBoot) beneath the office portions of each building, including construction QA/QC testing performed by a qualified contractor at the time the vapor barriers are installed,
- Installation of utility trench dams at various locations along utility corridors through the property and where utilities may enter the buildings through the slab, and
- Preparation of documentation, including O&M Plans, periodic inspection requirements, and maintenance and repair instructions.

Between the lime treatment and recommendations provided by the Report, the potential for soils to become unstable due to construction of the site, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse would remain **less than significant**.

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

Expansive soils shrink and swell as a result of moisture change. These volume changes can result in damage over time to building foundations, underground utilities, and other subsurface facilities if they are not designed and constructed appropriately to resist the damage associated with changing soil conditions. To evaluate the expansion potential of project site's native soil, Gularte & Associates performed an Expansion Index (EI) test. The test resulted in an EI of 103, indicating a high expansion potential. In order to minimize expansion potential, a lime treatment 12 to 18-inches deep is recommended in all structural areas to mitigate damages to foundations and pavements. As well, due to the expansion potential, footing lines should be kept neat to avoid "mushrooming" of building footings. Implementation of these recommendations as set forth in the Geotechnical Report would ensure that this impact would remain **less than significant.**

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

No septic tanks or alternative wastewater disposal systems are proposed; therefore, the project would have **no impact** related to septic tanks or alternative wastewater disposal systems.

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

The project site is located on relatively flat grassland, which has been graded and previously disturbed. There are no known paleontological resources onsite. The site is generally void of any unique features that would suggest unique geologic features. While there is always a chance to reveal unique geologic or paleontological resources during subsurface activities, the Cultural Assessment prepared by Peak & Associates determined that there are no known paleontological or geologic resources on the project site. However, to ensure that impacts to paleontological resources remain less than significant, should any such resources be encountered during project grading and construction, the project would be required to implement Mitigation Measure GEO-1. This mitigation measure is also included in the City of Rohnert Park General Plan EIR and impacts to paleontological resources would be considered a **less-than-significant impact with mitigation** to unique paleontological or geologic features.

Mitigation Measures

Compliance with the following mitigation measure would ensure the proper protocol is followed in the event any paleontological resources are unearthed during construction and impact would be reduced to less than significant.

Mitigation Measure GEO-1: Per state law, in the event that paleontological resources or unique geologic features are encountered during construction, all earthwork within a 50 meter (164 foot) radius of the find shall be stopped, the Sonoma County and the City of Rohnert Park notified, and a paleontologist retained.

3.8 Greenhouse Gas Emissions

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

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind, lasting for an extended period (decades or longer). Gases that trap heat in the atmosphere are often called greenhouse gases or GHGs. The greenhouse effect traps heat in the troposphere through a threefold process: (1) short-wave radiation emitted by the Sun is absorbed by the Earth; (2) the Earth emits a portion of this energy in the form of long-wave radiation; and (3) GHGs in the upper atmosphere absorb this long-wave radiation and emit this long-wave radiation into space and back toward the Earth. This trapping of the long-wave (thermal) radiation emitted back toward the Earth is the underlying process of the greenhouse effect.

Principal GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide, O_3, and water vapor. Some GHGs, such as CO_2, CH_4, and nitrous oxide, occur naturally and are emitted to the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Emissions of CO_2 are largely byproducts of fossil-fuel combustion, whereas CH_4 results mostly from off-gassing associated with agricultural practices and landfills. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases, such as hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride, which are associated with certain industrial products and processes (CAT 2006).

The Intergovernmental Panel on Climate Change (IPCC) developed the Global Warming Potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons of CO_2 equivalent (MT CO_2e).

Regarding impacts from GHGs, both BAAQMD and the California Air Pollution Control Officers Association (CAPCOA) consider GHG impacts to be exclusively cumulative impacts (BAAQMD 2017a; CAPCOA 2008); therefore, assessment of significance is based on a determination of whether the GHG emissions from a project represent a cumulatively considerable contribution to the global atmosphere. This analysis uses both a quantitative and a qualitative approach. The quantitative approach is used to address the first significance criterion: "Would the Project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?" This analysis considers that, because the quantifiable thresholds developed by BAAQMD were formulated based on Assembly Bill (AB) 32 and California Climate Change Scoping Plan reduction targets for which its set of strategies were developed to reduce GHG emissions statewide, a project cannot exceed a numeric BAAQMD threshold without also conflicting with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Therefore, if a project exceeds a numeric threshold and results in a significant cumulative impact, it would also result in a significant cumulative impact with respect to plan, policy, or regulation consistency, even though the project may incorporate measures and have features that would reduce its contribution to cumulative GHG emissions.

Separate thresholds of significance are established by the BAAQMD for operational emissions from stationary sources (such as generators, furnaces, and boilers) and nonstationary sources (such as on-road vehicles) (BAAQMD 2017a). The threshold for stationary sources is 10,000 MT CO_2e per year (i.e., emissions above this level may be considered significant). For nonstationary sources, the following three separate thresholds have been established:

- Compliance with a Qualified Greenhouse Gas Reduction Strategy (i.e., if a project is found to be out of compliance with a Qualified Greenhouse Gas Reduction Strategy, its GHG emissions may be considered significant).
- 1,100 MT CO_2e per year (i.e., emissions above this level may be considered significant).
- 4.6 MT CO_2e per service population per year (i.e., emissions above this level may be considered significant). (Service population is the sum of residents plus employees expected for a development project.)

The quantitative threshold of 1,100 metric tons of CO_2e annually adopted by BAAQMD is applied to this analysis. If the project GHG emissions would exceed this threshold then, consistent with BAAQMD Guidelines, it would be considered to have a cumulatively considerable contribution of GHG emissions and a cumulatively significant impact on climate change.

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

Construction. Construction of the proposed project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor (material delivery) trucks, and worker vehicles. Since the BAAQMD has not established construction-phase GHG thresholds, construction GHG emissions were amortized assuming a 30-year development life after completion of construction and added to operational emissions to compare to the BAAQMD operational GHG threshold. Amortized GHG emissions associated with project construction would result in annualized generation of 16 MT CO_2e.

A detailed depiction of the construction schedule—including information regarding phasing, equipment utilized during each phase, vendor trucks, and worker vehicles—is included in Appendix A.

Operations. Long-term operational emissions would occur over the life of the project. CalEEMod was used to estimate GHG emissions from motor vehicle trips, grid electricity usage, solid waste, and other sources (including area sources, natural gas combustion, and water/wastewater conveyance).

CalEEMod default mobile source data, including temperature, trip characteristics, variable start information, emission factors, and trip distances, were used for the model inputs. Project-related traffic was assumed to be comprised of a mixture of vehicles in accordance with the model defaults for industrial land use traffic. The CalEEMod default trip rate was adjusted to match project-specifics in the traffic analysis. It is assumed that the first full year of project operation would be in the year 2021.

CalEEMod was also used to estimate emissions from the project's area sources, which includes operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions.

The estimation of operational energy emissions was based on CalEEMod land use defaults and total area (i.e., square footage) of the proposed project. Annual natural gas (non-hearth) and electricity emissions were estimated in CalEEMod using the emissions factors for PG&E as a conservative estimate and adjusted to account for 33 percent renewable portfolio standard by 2020. The most recent amendments to Title 24, Part 6, referred to as the 2016 standards, became effective on January 1, 2017. These standards are incorporated in the latest version of CalEEMod, which was used to estimate project emissions. However, the proposed project would be required to meet the most recent amendments to Title 24, Part 6, referred to as the 2019 standards, which became effective on January 1, 2020.

Supply, conveyance, treatment, and distribution of water for the project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the proposed project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod default values. However, compliance with CALGreen indoor and outdoor water reduction standards was assumed.

The proposed project would generate solid waste and would therefore result in CO_2e emissions associated with landfill off-gassing. The project was assumed to comply with the 50% diversion rate consistent with AB 341 (Chesbro, Chapter 476, Statutes of 2011) (25% increase from the solid waste diversion requirements of AB 939, Integrated Waste Management Act).

The estimated operational project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, water supply, and wastewater treatment are shown in Table 3.8-1.

Table 3.8-1. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2e (MT/yr)
Area	<0.1
Energy	613.2
Mobile	754.2
Solid Waste	33.8
Water Supply and Wastewater	52.0
Total	**1,453.2**
Amortized Construction Emissions	16.4
Operation + Amortized Construction Total	**1,469.6**
BAAQMD GHG Threshold	*1,100*
Significant (Yes or No)?	***Yes***

Source: Appendix A.
Note: Total emissions may not sum due to rounding. Project GHG emissions are based on the "Mitigated" CalEEMod outputs in order to incorporate water reduction consistent with CALGreen and solid waste diversion rates consistent with AB 341, even though these would not be considered actual mitigation. Values of "<0.1" indicate that the estimated emissions are less than one decimals.
CO_2e = carbon dioxide-equivalent; MT/year = metric tons per year

Table 3.8-1 indicates that the GHG emissions associated with the proposed project would exceed the BAAQMD significance threshold of 1,100 MT CO_{2e} per year and would be potentially significant. The annual GHG emissions that the proposed project would need to be below would be approximately 377 MT CO_2e per year. However, with the additional purchase of carbon credits through implementation of Mitigation Measure GHG-1, the proposed project would offset excess GHG emissions and would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment and this would represent a cumulatively **less-than-significant impact with mitigation.**

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

The City of Rohnert Park has a GHG reduction plan that focuses on municipal operations, and thus is not applicable to the proposed project. The City is working with other jurisdictions to implement the Sonoma County Community Climate Action Plan to serve all of Sonoma County; however, this plan has not yet been adopted. The City's 2040 General Plan will also address climate change to be compliant with State policies and address private development. The City anticipates adopting the 2040 General Plan sometime in late 2020/2021.

The Scoping Plan, approved by CARB on December 12, 2008, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. As such, the Scoping Plan is not directly applicable to specific projects. Relatedly, in the Final Statement of Reasons for the Amendments to the CEQA Guidelines, the CNRA observed that "[t]he [Scoping Plan] may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009). Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the

Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others. To the extent that these regulations are applicable to the project, the project would comply will all regulations adopted in furtherance of the Scoping Plan to the extent required by law.

Regarding consistency with Senate Bill (SB) 32 (goal of reducing GHG emissions to 40% below 1990 levels by 2030) and Executive Order (EO) S-3-05 (goal of reducing GHG emissions to 80% below 1990 levels by 2050), there are no established protocols or thresholds of significance for that future-year analysis. However, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the *First Update to the Climate Change Scoping Plan* that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the *First Update to the Climate Change Scoping Plan* states the following (CARB 2014):

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

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-3-05. This is confirmed in *California's 2017 Climate Change Scoping Plan* (*2017 Scoping Plan*), which states, "This Plan draws from the experiences in developing and implementing previous plans to present a path to reaching California's 2030 GHG reduction target. The Plan is a package of economically viable and technologically feasible actions to not just keep California on track to achieve its 2030 target, but stay on track for a low- to zero-carbon economy by involving every part of the state" (CARB 2017). The *2017 Scoping Plan* also states that although "the Scoping Plan charts the path to achieving the 2030 GHG emissions reduction target, we also need momentum to propel us to the 2050 statewide GHG target (80% below 1990 levels). In developing this Scoping Plan, we considered what policies are needed to meet our mid-term and long-term goals" (CARB 2017).

The project would not interfere with implementation of any of the above-described GHG reduction goals for 2030 or 2050 because the proposed project would not exceed the BAAQMD's GHG threshold of 1,100 MT CO_2e per year after implementation of *Mitigation Measure GHG-1*, which was established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. Because the proposed project would not exceed the threshold after incorporation of Mitigation Measure GHG-1, this analysis provides support for the conclusion that the proposed project would not impede the state's trajectory toward the above-described statewide GHG reduction goals for 2030 or 2050.

In addition, as discussed previously, the proposed project is consistent with the GHG emission reduction measures in the Scoping Plan and would not conflict with the state's trajectory toward future GHG reductions. Since the specific path to compliance for the state in regards to the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the project would be speculative and cannot be identified at this time.

With respect to future GHG targets under SB 32 and EO S-3-05, CARB has also made clear its legal interpretation that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32's 40% reduction target by 2030 and EO S-3-05's 80% reduction target by 2050; this legal interpretation by an expert agency provides evidence that future regulations will be adopted to continue the state on its trajectory toward meeting these future GHG targets.

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

Mitigation Measures

Mitigation Measure GHG-1: Prior to the City's issuance of the first building permit, the project applicant shall purchase voluntary carbon offsets on the Climate Action Reserve (CAR), CAPCOA Greenhouse Gas Reduction Exchange (GHG Rx), or other acceptable carbon registry, in order to reduce the project's emissions to below the BAAQMD threshold of significance of 1,100 MT CO_2e per service population per year. Based on the current modeling the project shall purchase 377.09 MT CO_2e amount of carbon offsets annually, which equates to 11,312.74 MT CO_2e (377.09 MT CO_2e x 30 years). The BAAQMD requires the lead agency to ensure that offsite measures for reducing GHG emissions are feasible, measurable, and verifiable. A certificate of purchase and proof of offset retirement shall be provided to the BAAQMD and the City. If overall land use development changes from what has been assessed in this document, the project applicant shall be required to show consistency with the analysis conclusions herein, which may include the purchase of additional carbon offsets, if required.

3.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

A Phase I Environmental Site Assessment (ESA) was prepared for the project by ATC Group Services LLC (April 2017) to identify potential environmental conditions that may require further action. Based on the Phase I ESA, there was no evidence of environmental conditions on site and on adjacent sites. Thus, no recommendations for further actions were offered at the time. However, in November 2017 a Geotechnical Report prepared for the project by Gularte Associates indicated the presence of an unidentified pressurized gas with a sulphur odor. To further investigate this unidentified gas, a Phase II ESA was prepared by ATC. ATC installed four vapor monitoring probes to investigate the gas and provide additional insight regarding future mitigation measures/design of the proposed buildings. The results of the vapor probes indicated a small presence of methane gas from an unidentified source. Based on the geothermal activity on site, the presence of methane could change over time. Due to this, ATC recommended industry standard methane mitigation measures to prevent subsurface pressurization. Copies of the Phase I and Phase II ESAs are included in Appendix D.

A search of the Department of Toxic Substances Control (DTSC) Envirostor database was completed and there are several leaking underground storage tank (LUST) cleanup sites listed as close as 0.1 mile from the project site. However, these cleanups have all been completed and no further action is required. Based on the search, the project site is not included in or near any identified hazardous sites.

The closest schools to the project site are Pathways Charter School (0.5 mile southeast, John Reed Elementary School (1.3 miles southeast), and Marguerite Hahn Elementary School (1.4 miles northeast). There are no existing or proposed schools within one-quarter mile of the project site. The nearest airport is Petaluma Municipal Airport, located approximately 9.3 miles southeast of the project site. The Charles M. Schultz - Sonoma County Airport is located approximately 15 miles north in the City of Santa Rosa.

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

The project would include use of heavy equipment for construction. Fueling and maintenance of such equipment could result in incidental spills of petroleum products and hazardous materials during construction and in construction staging areas. Storage, handling, and use of hazardous materials would occur in accordance with standard construction best management practices (BMPs) to minimize the potential for spill or release and ensure that any such spill or release would be controlled onsite. Accordingly, such incidental spills would likely be minor. Standard construction BMPs include storing all hazardous materials inside buildings or under other cover, vehicle specifications for hazardous material transport and disposal, procedures for safe storage, and training requirements for those handling hazardous materials.

The project involves a proposed industrial development that would be marketed for uses ranging from light manufacturing to research and development. The two proposed buildings would be constructed as a "cold shell," with an unfinished interior and no heating, ventilation, or air conditioning. Future tenants would customize the space to their own specifications. As such, the hazardous materials present on-site would depend on tenant uses, which are currently unknown. Common hazardous materials such as paints and cleaning agents would likely be used at the project site. During operation, the proposed project would be required to use, store, and transport hazardous materials in compliance with applicable federal, state, and local regulations during project operation. As mentioned previously, BMPs related to hazardous materials would also be implemented. Therefore, impacts related to the creation of significant hazards to the public through routine transport, use, and disposal of hazardous materials during project operations would be **less than significant**.

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

A Phase I Environmental Site Assessment (Phase I ESA) of the project site was prepared in 2017 by ATC Group Services LLC (see Appendix D). The Phase I ESA found no recognized environmental conditions at the project site, and offered no recommendations for further action. There were also no potential environmental conditions identified at the adjoining properties. A review of aerial photographs identified historical agricultural use of the land. However, there was no evidence of large-scale use or disposal of pesticides, herbicides, or fertilizers. Evidence for overuse of these materials, such as stressed vegetation, was not observed. Thus, impacts related to upset and accident conditions would be **less than significant**.

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

The closest schools to the project site are Pathways Charter School (0.5 mile southeast), John Reed Elementary School (1.3 miles southeast), and Marguerite Hahn Elementary School (1.4 miles northeast). There are no existing or proposed schools within one-quarter mile of the project site. Therefore, there would be **no impact** associated with the use of hazardous materials within a quarter mile of the project site.

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

Pursuant to Government Code Section 65962.5, the State of California Hazardous Waste and Substances Site List (also known as the "Cortese List") is a planning document used by state and local agencies and developers to comply with CEQA requirements in providing information about the location of hazardous materials sites. The Phase I ESA included a database review provided by EDR, which determined that the project site was not listed on any hazardous materials sites, including sites within federal, state, tribal, and local databases. According to the California Department of Conservation EnviroStor database, there are several LUST cleanup sites listed as close as 0.1 mile from the project site. However, these cleanups have all been completed and no further action is required. Thus, there would be **no impact**.

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?

The closest airport is the Petaluma Municipal Airport, which is located 9.2 miles southeast of the project site. The project site is not located within an airport land use plan and is not within two miles of a public airport or public use airport. There would be **no impact**.

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

The project would not interfere with any adopted emergency or evacuation plans. The City's 2012 Emergency Management Plan (EMP) serves as the legal and conceptual framework for emergency management in the City of Rohnert Park. The EMP addresses planned responses to emergency situations associated with large-scale disasters, and establishes the primary responsibilities of each City department during such emergencies. The project would be consistent with allowed uses and would not involve any operations or activities that would interfere with the EMP. Additionally, the City approved the development of a new Public Safety facility (fire station) on the west side of Highway 101, southwest of the project site. Upon completion of the new fire station, response times in the project area would be reduced. Therefore, the project would have **no impact** related to implementation of emergency plans.

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

The City of Rohnert Park General Plan states that the potential for wildland fires varies within the City (City of Rohnert Park, 2000). The project site is in a local responsibility area (LRA) that does not contain any very high fire hazard severity zones (CAL FIRE 2008). Most of the area surrounding the project site is already developed with urban land uses. Fire suppression services in the project area are currently and would continue to be provided by the City of Rohnert Park. Because the project site is not in or near an area of high fire hazard severity, and because adequate fire protection services would be provided by the City's fire division, this impact would be **less than significant**.

Mitigation Measures

No mitigation measures are required.

3.10 Hydrology and Water Quality

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

The entire study area is located within the Laguna de Santa Rosa Watershed and is part of the Russian River basin. Drainage downstream from the project site would carry stormwater runoff to Hinebaugh Creek and Laguna de Santa Rosa and, eventually, to the Russian River. Water quality and stormwater runoff is regulated under a National Pollutant Discharge Elimination System (NPDES) municipal separate storm sewer system (MS4) stormwater permit

with the North Coast Regional Water Quality Control Board (RWQCB). The NPDES Permit and Waste Discharge Requirements reference the City of Santa Rosa's Low Impact Development Technical Design Manual (LID Manual) (2017). The manual provides technical guidance for project designs that require the implementation of permanent LID features and stormwater BMPs.

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

The project site is currently undeveloped and the project would allow for future development of two concrete tilt-up buildings for light manufacturing, warehouse, or research and development uses. Because the project is creating one acre or more of impervious area, the project is subject to the Hydromodification Control Requirement in the LID Manual. The Hydromodification Control Requirement states a condition to infiltrate and/or reuse 100% of the total calculated volume of stormwater generated by the developed site for a 1-inch rain event in a 24-hour period. To meet this requirement, the project would include bioretention areas sized in accordance with LID requirements to achieve the 100% volume capture goal. The total volume of storage required for the project would be reduced or increased based on the final area of new impervious surface. Design and construction of drainage systems per the Sonoma County Water Agency (SCWA) Flood Management Design Manual would ensure that storm drainage systems are adequately sized. Implementation of post-construction BMPs would reduce pollutants in stormwater runoff. Adherence to the SCWA Flood Control Design Criteria, LID Manual and associated BMPs, as well as adherence to state and local regulatory requirements, would ensure that potential water quality and runoff impacts from development at the project site would be **less than significant**.

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?

Implementation of the proposed project would result in the development of impervious surfaces that could interfere with on-site groundwater recharge. The project is located within the Santa Rosa Plain Groundwater Basin. However, recharge areas typically occur east of the city along streambeds and others areas of high soil permeability (SCWA 2013). According to the Natural Resources Conservation Service Web Soil Survey, the project site is underlain by Clear Lake clay with poor drainage. Clay soil at the project site reduces permeability and slows the percolation of rainwater into the groundwater table. Thus, the project site is not considered an important recharge area, and development on the project site would not interfere substantially with sustainable groundwater management of the basin. Additionally, development associated with the project would be required to comply with the City's standards and current relevant BMPs. Therefore, impacts related to groundwater would be **less than significant**.

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

i) result in substantial erosion or siltation on or off site;

There are no streams or water courses on the site that would be altered by the project. However, development at the project site would require soil-disturbing activities for the placement of new structures on-site, which would alter drainage courses and runoff patterns from existing conditions. Alterations to existing drainage patterns or flow velocities could result in a short-term increase in

erosion or siltation that may have substantial adverse effects on water quality. Drainage-ways downstream from the project site would carry stormwater runoff to Hinebaugh Creek and Laguna de Santa Rosa and, eventually, to the Russian River, which would be subject to water quality deterioration.

The City requires all new development projects to design and construct storm drainage systems in accordance with the MS4 NPDES stormwater permit requirements, which references the City of Santa Rosa's LID Manual. Implementation of site-specific stormwater capture and treatment BMPs, post-construction stormwater pollution prevention BMPs, as well as maintenance and inspection requirements for those BMPs, would minimize erosion and siltation impacts from the project. In addition, SCWA reviews project drainage system plans for compliance with its Flood Management Design Manual. Compliance with these regulations would ensure that storm drainage systems are adequately sized to convey post-development runoff. Adherence to the NPDES permit requirements and LID Manual, and compliance with SCWA's design criteria would reduce impacts from erosion and siltation caused by changes in existing drainage patterns to a **less-than-significant level**.

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

Construction of the project would require soil-disturbing activities for placement of new structures on-site, which could alter drainage courses and runoff patterns from existing conditions. The project would adhere to specific construction BMPs to reduce the impact of ground disturbance and would reduce the impact on drainage and the rate or amount of surface runoff during construction and post project completion.

As described above, the proposed project would result in an increase of impervious surfaces. The City requires all new development projects to design and construct storm drainage systems in accordance with the MS4 NPDES stormwater permit requirements, which references the City of Santa Rosa's LID Manual. Design requirements include a condition to infiltrate and/or reuse 100% of the total calculated volume of storm water generated by the developed site for a 1-inch rain event in a 24-hour period. The LID Manual also includes BMPs for capturing, infiltrating, and/or reusing stormwater on-site. Through compliance with the MS4 permit requirements, the proposed project would not result in any increase in runoff volume in comparison to existing conditions, because 100% of any increase in stormwater volume would be required to be infiltrated and/or reused on-site.

In addition, SCWA reviews project drainage system plans for compliance with its Flood Management Design Manual. Compliance with these regulations would ensure that storm drainage systems are adequately sized to convey post-development runoff. With adherence to the MS4 permit requirements, LID Manual, Flood Management Design Manual, and relevant BMPs, the proposed project would not result in flooding or substantial polluted runoff, or exceed the capacity of existing or planned stormwater drainage systems. Accordingly, impacts would be **less than significant**.

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

Refer to the answer provided in "ii" above.

iv) impede or redirect flood flows?

Section 7.2, Drainage, Erosion, Stormwater, and Flooding of the City's General Plan and Community Panel Number 06097C0876E and 06097C0877E of FEMA's Flood Insurance Rate Maps for Sonoma County both place the project site outside the 500-year flood zone and the 100-year flood hazard area. Thus, the project would have **no impact** related to impeding or redirecting flood flows.

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

As discussed previously, the project site is outside the 500-year flood zone and the 100-year flood hazard area. There are no dams or levees in the vicinity of the project site. The project would not expose people or structures to significant loss related to flooding. The project site is physically removed from any large body of water and is not subject to inundation by seiche, tsunami, or mudflow. Therefore, the project would have **no impact** related to flooding or other water-related hazards.

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

The project would comply with all applicable water quality control plans, including the North Coast RWQCB's Basin Plan. As discussed previously, the project would also adhere to the MS4 permit requirements, LID manual, Flood Management Design Manual, and applicable BMPs. The City's local groundwater supply is from the Santa Rosa Plain Subbasin of the Santa Rosa Valley Groundwater Basin. The City manages its groundwater supply in accordance with its 2004 Water Policy Resolution, which limits groundwater pumping to 2,577 AFY. The City's 2004 City-wide Water Supply Assessment provides the technical support for this maximum pumping rate. The City participates actively in the implementation of the Santa Rosa Plain Watershed Groundwater Management Plan and is currently working with other water suppliers in the basin to implement the requirements of the Groundwater Sustainability Act of 2014. Modeling and monitoring data collected by the City and others indicate that groundwater levels are generally rising around the City's well field, an indication of stable supply. Over the past 10 years the City has used between 350 and 1,600 acre-feet per year (AFY) of groundwater, significantly less than its policy limitation on groundwater use (City of Rohnert Park, 2016). As such, there would be **no impact** related to conflict or obstruction of a water quality control plan or sustainable groundwater management plan.

Mitigation Measures

No mitigation measures are required.

3.11 Land Use and Planning

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

a) Would the project physically divide an established community?

The project would be constructed on what is currently an undeveloped parcel in a primarily industrial area of the City. The project does not include any features that would physically divide an established community, and the proposed use would be consistent with the land uses of the surrounding area. The project would have **no impact** related to the physical division of an established community.

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?

The City's General Plan designates the project site for Industrial uses and the site is also zoned Industrial. The City's General Plan states that the Industrial land use designation accommodates corporate headquarters, research and development facilities, offices, light manufacturing, warehousing, and similar industrial uses (City of Rohnert Park, 2017). The project is a proposed industrial development, with space marketed for permitted industrial uses, such as light manufacturing, research and development, and warehousing. As such, the project would be consistent with the City's General Plan, as well as the Zoning Map and other City plans and policies. Additionally, as discussed in Section 3.3, Air Quality, and Section 3.4, Biological Resources, the proposed project would comply with related plans including the Clean Air Plan and the Santa Rosa Plain Conservation Strategy. Accordingly, the project would have **no impact** regarding potential conflicts with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

Mitigation Measures

No mitigation measures are required.

3.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – 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?	☐	☐	☐	☒
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?	☐	☐	☐	☒

The California Department of Conservation, Division of Mines and Geology has not identified significant mineral resources within the project site. The project site is classified as being within Mineral Resource Zone 1 (MRZ-1), which refers to areas areas where available geologic information indicates that little likelihood exists for the presence of significant mineral resources (DOC 2013). The City's General Plan designates the site as Industrial land and does not identify any mineral resources (City of Rohnert Park 2017).

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?

The California Department of Conservation (DOC) provides maps that classify lands according to the significance of mineral resource deposits within the area. The CDC designates the project site as being within Mineral Resource Zone 1 (MRZ-1), which describes areas where available geologic information indicates that little likelihood exists for the presence of significant mineral resources (DOC 2013). The closest area with significant mineral resources is the Stony Point Rock Quarry in Cotati, which has been classified MRZ-2a for Class II Base-grade aggregate (DOC, 2005). The Stony Point Rock Quarry is located approximately 2.4 miles from the southwestern edge of the project site. There are no known mineral resources on the project site and the site is not delineated on the City's General Plan as a mineral resource recovery site (City of Rohnert Park 2017). Accordingly, the project would have **no impacts** related to the loss of availability of mineral resources.

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?

Refer to answer provided in 'a' above.

Mitigation Measures

No mitigation measures are required.

3.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – 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?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

An Acoustical Analysis of the project site was prepared in February 2020 by Ostergaard Acoustical Associates (OAA) and is included in Appendix E. OAA conducted a high-level sound study to evaluate the acoustical risk of the proposed project using assumptions derived from OAA's experience with facilities of this nature. The Acoustical Analysis discusses noise impacts that would occur from the project, primarily from vehicles accessing the project site, with Dowdell Avenue as the primary entryway. The Acoustical Analysis also includes the proposed 10-foot property line sound wall along the south boundary.

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?***

Commercial uses adjacent to project site are within the City of Rohnert Park, and therefore noise levels at these properties are governed by the City's General Plan Noise Element and Noise Ordinance. Chapter 17.12 of the Rohnert Park Code of Ordinances offers performance standards. It states:

A. No uses or activities shall create noise levels which exceed the following standards:

Table 3.13-1. City of Rohnert Park Maximum Noise Levels (dBA) [1]

Zoning District	Measured at Property Line or District Boundary	Measured at any Boundary of a Residential District	Between 7PM and 7AM measured at any boundary of a residential zone [4]
Residential	60 [2]	N.A.	50 or ambient noise level
Commercial	70	60	50 or ambient noise level
Industrial [4]	70 [3]	60	50 or ambient noise level
Mixed Use	65 [2]	60	50 or ambient noise level
Public/Institutional	65	60	50 or ambient noise level
Open Space	65	60	50 or ambient noise level

Notes:
1 Levels not to be exceeded more than 5 minutes in any hour
2 The maximum interior noise level for residential uses shall be forty-five dBA with all openings closed.
3 For commercial and industrial properties, the measurement shall be at the property line of the use or activity.
4 Restricted hours may be modified through conditions of an approved conditional, administrative, or temporary use permit.

B. The noise standards above shall be modified as follows to account for the effects of time and duration on noise levels:

1) Noise that is produced for no more than a cumulative period of five minutes in any hour may exceed the above standards by five dBA except between the hours of 7:00 PM and 7:00 AM.

2) Noise that is produced for no more than a cumulative period of one minute in any hour may exceed the above standards by ten dBA except between the hours of 7:00 PM and 7:00 AM.

3) Mechanical and electrical equipment shall provide adequate shielding and baffling so that noise levels from such equipment will not exceed the above noise levels when measured at the property line.

C. Noise shall be measured with a sound level meter that meets the standards of the American National Standards Institute. Noise levels shall be measured in decibels (dBA) on a sound level meter using the A-weighted filter network. Calibrations checks of the instrument shall be made at the time any noise measurement is made. Excluded from these standards are occasional sounds generated by the movement of public safety vehicles and railroad equipment.

D. New development within existing of project sixty-five dBA noise corridors shown in the general plan shall undergo a technical acoustical analysis by a professional acoustical engineer, which shall serve as the basis for designing mitigation measures.

Because the project site is located in an industrial district, the maximum noise level permitted is 70 dBA measured at the district boundary with no time restrictions. During the day, any noise above this should not exceed a cumulative period of five minutes in any hour. During the nighttime hours, defined as 7:00 p.m. to 7:00 a.m., the noise level cannot exceed 75 dBA for a cumulative period of five minutes in any hour, 80 dBA for a cumulative period longer than one minute in any hour.

The City of Rohnert Park Code of Ordinances further discusses noise in Chapter 9.44. The code states that site sound emissions should not exceed the ambient base levels provided at the receiving property line. Minimum ambient sound levels of 70 dB(A) are given in Section 9.44.040 for a Limited Industrial District.

The project site is adjacent to the Stadium Lands Planned Development to the south. No specific ambient sound levels are provided for a Planned Development District, however, the Stadium Lands Planned Development is considered mixed use. The code states that sound emissions should not exceed 65 dB(A) at the property line of a mixed use district. The 65 dB(A) limit is the most stringent City noise standard applicable to the proposed project.

While operations for the site are not yet known, typical warehouse site operation includes employee vehicle activity primarily during the daytime hours, with intermittent truck arrivals and departures. An Acoustical Analysis was prepared by OAA in February 2020, to estimate sound levels at the site and nearby receptors (see Appendix F). The Acoustical Analysis included a ten-foot tall concrete masonry sound wall proposed along the southern boundary adjacent to residences to mitigate off-site sound. Based on previous sound surveys, a line-haul heavy truck produces maximum sound pressure levels in the 74 to 79 dB(A) range at 50 feet. Box trucks typically produce slightly lower sounds levels of 70 dB(A) at 50 feet, while vehicles exhibit even lower maximum sound pressure levels, nominally 59 dB(A) at 50 feet. These maximum sound levels were projected at nearby residences, including the 10-foot sound wall in the analysis, to compare with the city's applicable code limits.

Trucks would be about 35 feet from the south property line when entering the site from Dowdell Avenue. Accounting for the sound wall attenuation, property line sound levels from line haul trucks about 35 feet away would be about 65 dB(A). Elevated second story windows may not receive full screening from the sound walls, but are further away from the property line and would meet the code limit from a distance of 140 feet away. The majority of high-level truck activity would occur in the loading dock area. Activity at the nearest on-site dock projected to the nearest residential receptor 250 feet away shows levels of 56 to 65 dB(A) without the sound wall. Vantage points screened by the building or sound wall would be further reduced by 5 to 10 dB. Emissions of this magnitude again comply with the city's mixed-use district limit. These are conservative estimates, as calculations above were done assuming line-haul heavy trucks would be the main trucks entering the property. A box truck is about 4 to 9 dB(A) lower in level, and hence would result in reduced noise levels. Employee vehicles entering the site would also be screened by the sound wall when nearest the property line and would result in maximum sound levels in the low 50s on the A-weighted scale. With the help of a sound wall, the city's code limit of 65 dB(A) is expected to be complied with both at the property line as well as at upper story residential receptors.

In consideration of the above, project impacts would not conflict with any applicable noise standards and impacts would be **less than significant**.

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

The primary source of groundborne vibration from the proposed project would be vehicular travel, including employee vehicles and trucks. However, according to the Federal Transit Administration (FTA), the perceptibility threshold for transit groundborne vibration is approximately 65 vibration decibels (VdB), and human response to vibration is not distinctly perceptible until vibration reaches 75 VdB (FTA 2018). The FTA states that trucks typically generate groundborne vibration levels around 63 VdB at a 50 feet distance, and these levels could reach 72 VdB when trucks pass over road bumps. Both of these vibration levels are below the distinctly perceptible level of 75 VdB set by the FTA. As the nearest residential receptor is 250 feet away, the project would not result in generation of excessive groundborne vibration or groundborne noise levels. As such, impacts from the proposed project would be **less than significant**.

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?

The closest airport is the Petaluma Municipal Airport, which is located 9.2 miles southeast of the project site. The project site is not located within an airport land use plan and is not within two miles of a public airport or public use airport. Thus, the project would not expose people residing or working in the project area to excessive noise from airports or airstrips. There would be **no impact**.

Mitigation Measures

No mitigation measures are required.

3.14 Population and Housing

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

The project site is undeveloped and does not include any housing or residents. The closest residences are located adjacent to the southern boundary of the proposed project site. These residences are part of the Fiori Estates apartment complex.

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The project involves a proposed industrial development that would be marketed for uses ranging from light manufacturing to research and development. The number of new positions (employees) resulting from the project would depend on which tenants purchase space in the building. The project would include 291 parking spaces for tenants and future employees. It is anticipated that these new positions would be filled by people already residing in the region. The project is not large enough to induce substantial population growth resulting in the need to construct new homes and provide new services for this new population. Therefore, the proposed project would not directly induce population growth because it proposes no

significant employment generating uses, other than staffing associated with the future building tenants. Additionally, growth within the City's Urban Growth Boundary (UGB), which includes the area within current city limits as well as annexed and specific plan areas, was anticipated in the City's General Plan. There are plans and programs to address the potential impacts from population growth, including General Plan policies and a growth management program.

The project would not extend roads or infrastructure that would indirectly induce new growth. In addition, the project would not displace people or housing because the site is currently vacant and does not provide any housing. Therefore, the project would not induce new growth and would result in a **less-than-significant impact**.

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

The project site does not currently support any housing or residential uses. No housing or residents would be displaced by the proposed project; therefore, the project would have **no impact** on housing or require construction of new housing.

Mitigation Measures

No mitigation measures are required.

3.15 Public Services

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

The City of Rohnert Park Department of Public Safety (DPS) provides police and fire protection services within the city. DPS personnel are cross-trained and managed under a single administrative umbrella. The Police Services Patrol Division operates as a typical police department and provides police services 24/7 (City of Rohnert Park, 2016a). The Fire Services Division functions as a typical municipal fire agency, and public safety officers within this division are also available to respond to police incidents as needed (City of Rohnert Park, 2016b). DPS staff operate out of three Public Safety stations in the city. The main station is located at 500 City Center Drive, located in the center of Rohnert Park. Two Public Safety stations operate primarily as fire stations and are located in the northern

and southeastern parts of the city. Additionally, the City approved the development of a new Public Safety station (fire station) on the west side of Highway 101, southwest of the project site.

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

Police or fire protection?

Tenants and employees at the proposed development may require the services of DPS in the event of an emergency. Currently, the nearest Public Safety station is the Main Station located approximately one mile from project site. Emergency response times would be reduced upon completion of the new Public Safety station located 0.2 of a mile southwest of the project site (City of Rohnert Park 2016d).

The City's General Plan includes goals and policies to aid the effective provision of police, fire, and emergency management services within the City. This includes General Plan Policy HS-21, which requires regular maintenance and updates to the Standardized Emergency Management Plan. As discussed previously, the project would not induce substantial population growth. As such, the project would not require an expansion of the existing fire station or the construction of a new one in order to maintain acceptable service ratios, response times, or other performance objectives. The project would comply with all standards and regulations for adequate fire access and safety. For example, the project would comply with the Uniform Fire and Building Codes and the City's DPS hydrant requirements to ensure adequate water pressure and water is available in the event of a fire. A Water Study was conducted for the site by Morton & Pitalo, which concluded that fire flow water demand requirements for the project are within conformance of the City's and Fire District's standards (Morton & Pitalo 2020). The buildings would be constructed to meet current California Building Code standards that would require inclusion of sprinklers to reduce fire hazards. For these reasons, the project would result in a **less-than-significant impact** on the City's fire and police protection services.

Schools?

The proposed project does not include any residential uses; therefore, the project would not result in a population increase that would require new schools to serve new City residents. For this reason, **no impact** on schools would result with development of the proposed project.

Parks or Other Public Facilities?

As discussed previously, the project would not induce substantial population growth. The project would not introduce a new population to the City needing access to parks or other public facilities or services. Therefore, **no impact** on parks other public facilities would occur.

Mitigation Measures

No mitigation measures are required.

3.16 Recreation

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

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

The closest recreational facilities to the project site are the Scandia Family Fun Center (0.2 mile northeast), Roberts Lake Dog Park (0.8 mile northeast) and Dorotea Park (1 mile east). The proposed project is not expected to induce substantial population growth that would increase demand for existing park or recreational facilities or require the construction of new or expansion of existing recreational facilities. The project does not include housing or any other features that would induce substantial residential growth. Implementation of the project would not be expected to create an increase in use of recreation facilities, such that physical deterioration of the facilities would occur or be accelerated. Therefore, **no impacts** to recreational facilities would occur.

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

The project proposes to construct industrial buildings. There are no recreational facilities proposed as part of the project and none would be required to be constructed or expanded as a result of the project. Therefore, **no impact** to recreational facilities would occur.

Mitigation Measures

No mitigation measures are required.

3.17 Transportation

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

A Traffic Impact Study (TIS) was completed in September 2019 by W-Trans to evaluate the potential transportation impacts that would occur from the proposed project. The TIS estimated an increase of 800 new daily trips, including 83 added trips during the a.m. peak hour and 69 added during the p.m. peak hour. The TIS analyzed the project's impact on the City's level of service (LOS) and evaluated transportation scenarios including existing conditions, existing plus project conditions, and existing plus approved peak hour conditions plus project conditions. The results from the TIS are used to inform the analysis below. The City's General Plan includes policy TR-1 which establishes LOS C as the minimum standard for all arterial and collector roadway segments ("segments") and intersections, except for (1) those specified segments and intersections for which allowable LOS standards are otherwise established below; and (2) segments and intersections that are operating at LOS D or lower at the time an application for a development project or a specified plan is submitted if no feasible improvements exist to improve the LOS. The then-existing LOS may be permitted to be the standard for those segments and intersections in category (2), provided that the LOS not be permitted to deteriorate further due to the proposed development project or specific plan.

In the project vicinity, Class II bike lanes exists on Dowdell Avenue and Redwood Drive. Business Park Drive and Labath Avenue are signed bicycle routes (Class III). The future segment of Dowdell Avenue to the north of Business Park Drive will include a planned multi-use path (Class I) per the Rohnert Park Bicycle & Pedestrian Master Plan and the City of Rohnert Park Northwest Specific Plan. The City of Rohnert Park Northwest Specific Plan indicates future bike lanes on Business Park Drive and Labath Avenue.

The project site is served by two bus stops through SCT. One stop is located 0.18 mile from the site near the intersection of Business Park Drive and Redwood Drive. The second stop is also located 0.18 mile from the site near the intersection of Martin Avenue and Labath Avenue.

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

According to the TIS, the proposed project is expected to generate an average of 800 daily trips, including 83 trips in the a.m. peak hour and 69 trips during the p.m. peak hour. With the addition of project-generated trips, it was determined that all study intersections would continue operating at the same levels of service. Because the levels of service at these intersections would not further degrade upon the addition of project-generated traffic, the project's impacts would be considered less than significant.

The TIS also determined that bicycle facilities serving the project site are generally adequate, but would be further improved by the installation of planned bike lanes on Business Park Drive near the project site. Transit facilities serving the project site were also determined to be adequate.

The project's primary access point on Dowdell Avenue is anticipated to operate effectively, making use of the existing two-way left-turn lane and minimizing the potential for conflicts to result at the adjacent Business Park Drive/Dowdell Avenue intersection.

The TIS recommends that the project should pay traffic impact mitigation fees as a means of contributing funds toward future circulation infrastructure improvements in the vicinity including those identified in the City of Rohnert Park Northwest Specific Plan. As recommended, the main access driveway is located on Dowdell Avenue where the existing two-way left-turn lanes will facilitate left turns into and out of the site. The TIS also recommends installation of crosswalks across project access points on both Business Park Drive and Dowdell Avenue if these driveways are to be configured with standard curb returns. On-site pedestrian connections between buildings and to adjacent public sidewalks on Dowdell Avenue and Business Park Drive should also be provided. It was determined the project should also be responsible for installing on-street (Class II) bicycle lanes on Business Park Drive along its frontage, and for constructing a raised median at its driveway on Business Park Drive to physically restrict access to right turns. The proposed project would not conflict with the City's General Plan policy which requires a LOS C as the minimum standard for all arterial and collector roadway segments and intersections impacts. The City's General Plan does not include any goals or policies that address transit, bicycle or pedestrians. However, the proposed project would provide two bicycle racks and is served by two bus stops. The proposed project would not conflict with any plan, ordinance or policy and impacts would be **less than significant.**

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

Since the VMT metric will be required starting on July 1, 2020, and since the City has not adopted specific VMT methodologies, guidelines, or criteria, a VMT analysis was not prepared for the proposed project. The project would be approved before July 1, 2020, the statewide implementation date of SB 743, which requires the use of vehicle miles travelled (VMT) as the metric for transportation impact analysis (CalTrans 2019). Thus, there would be **no impact**.

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

The proposed project does not include any design features that could be considered hazardous or incompatible with existing uses. The project proposes site circulation improvements such as construction of two curb cuts for vehicle access from Dowdell Avenue and Business Park Drive, and a right turn pocket at the entrance off Business Park Drive. The proposed project does not include any geometric design

features such as sharp curves or dangerous intersections, and would not involve any new and incompatible uses. The TIS also determined that sight distances at the project driveways are adequate. There would be **no impact**.

d) Would the project result in inadequate emergency access?

Access to the site would be provided from Dowdell Avenue and Business Park Drive, as shown on Figure 3. Buildout of the proposed project would not result in inadequate emergency access, or affect the accessibility of any roads or emergency access points. The project would not interfere with any adopted emergency or evacuation plans. As mentioned in Section 3.9, Hazards and Hazardous Materials, the City's 2012 EMP serves as the legal and conceptual framework for emergency management in the City of Rohnert Park. The project would be consistent with allowed uses and would not involve any operations or activities that would interfere with the EMP. Therefore, the project would have **no impact** related to inadequate emergency access.

Mitigation Measures

No mitigation measures are required.

3.18 Tribal Cultural Resources

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

The project is subject to compliance with AB 52 (California Public Resources Code, Section 21074), which requires consideration of impacts to tribal cultural resources as part of the CEQA process and requires the CEQA lead agency to notify any groups (who have requested notification) and are traditionally or culturally affiliated with the geographic area of the project.

The only Native American tribe that has requested notification of future projects in the City is the Federated Indians of Graton Rancheria (Tribe). The City sent a notification letter pursuant to AB 52 to the Tribe on October 31, 2019. The City initiated government to government consultation with the Tribe at the tribe's offices on November 6, 2019.

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

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

The Native American Heritage Commission (NAHC) provided a review of their Sacred Lands files on October 29, 2019, which indicated that there is no specific information on the site in the NAHC's Sacred Lands File. At the meeting with the City on November 6, 2019, the Tribe did not indicate the site contains any known tribal cultural resources (TCRs). However, because an unknown TCR could be unearthed during construction activities, implementation of mitigation measures CUL-1 and CUL-2, described above in Section 3.5, Cultural Resources, would ensure that if any tribal cultural resources, artifacts, cultural deposits, or human remains are found, all work shall cease and the findings shall be evaluated by qualified personnel. Therefore, impacts would be **less-than-significant with mitigation.**

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

Refer to the answer provided in 'a' above.

Mitigation Measures

Refer to Section 3.5, Cultural Resources, for Mitigation Measures CUL-1 and CUL-2.

3.19 Utilities and Service Systems

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

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 telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

The project would be served by the existing water, wastewater treatment, stormwater drainage, electric power, natural gas, and telecommunications infrastructure near the project site, with new service connections provided for the new building.

The project would connect to an existing 2.5 inch domestic water service line, valve, meter and backflow device. The existing water supply facilities are expected to provide an adequate supply of water to meet the project's anticipated daily demand. The proposed project alone would not require the Sonoma County Water Agency (SCWA) to construct, relocate, or expand facilities, or to increase existing water entitlements. As discussed in criterion 'b' below, the SCWA has an adequate supply to meet the demands associated with the project area. Therefore, the water supply and related facility impacts would be **less than significant**.

The project would also connect to the existing sanitary system from a point of connection near the southern boundary of the site, and a 6-inch sanitary sewer cleanout located near the proposed center loading docks. Wastewater treatment and disposal are provided by the Santa Rosa Subregional Water Reclamation System, which also serves the cities of Santa Rosa, Sebastopol, and Cotati. Wastewater from the Subregional System is treated at the Laguna Treatment Plant, located about two miles northwest of Rohnert Park. The Laguna Treatment Plant has an overall average plant flow of 20.37 million gallons per day (MGD) and an average daily dry weather flow of 14.5 MGD (City of Santa Rosa 2017b). The City owns capacity rights to 3.43 MGD and has an agreement with the City of Santa Rosa to use up to 4.46 MGD of capacity rights. Under the Subregional System's approved Incremental Recycled Water Program, the City can acquire up to 5.15 MGD of capacity (City of Santa Rosa 2016). As of 2015, the City's capacity needs were approximately 3.0 MGD (City of Rohnert Park 2016e), meaning that up to 2.15 MGD of capacity is available to serve new development. The proposed project would not have any special uses such that wastewater generation would be higher than those from typical office/light industrial operations. According to the Site Plan (see Figure 3, Site Plan), the proposed project would consist of approximately 7% office space and 93% warehouse space. The City's 2019 Manual of Standards includes quantified assumptions for sewer generation for different Non-Residential uses. According to these assumptions, offices generate approximately 110 gallons per day (gpd) per 1,000 gross square feet (gsf), while warehouse uses generate approximately 40 gpd per 1,000 gsf (City of Rohnert Park 2019). Based on these assumptions, the project would generate about 8,082 gpd of wastewater. This amount of wastewater generation is significantly less than the City's remaining 2.15 MGD of wastewater capacity rights. Thus, the proposed project would not directly require or result in upgrades to the existing wastewater treatment plant, and impacts would be **less than significant**.

Storm water from the proposed project would be routed though a storm drain inlet at a bioretention planter along Dowdell Avenue, connecting to an existing 12-inch storm drain line. As described in Section 3.10, Hydrology and Water Quality, the proposed project would result in an increase of impervious surfaces at the site. The City requires all new development projects to design and construct storm drainage systems in accordance with the MS4 NPDES stormwater permit requirements, which references the City of Santa Rosa's LID Manual. Design requirements include a condition to infiltrate and/or reuse 100% of the total calculated volume of storm water generated by the developed site for a 1-inch rain event in a 24-hour period. The LID Manual also includes BMPs for capturing, infiltrating, and/or reusing stormwater on-site. Through compliance with the MS4 permit requirements, the proposed project would not result in any increase in runoff volume in comparison to existing conditions, because 100% of any increase in stormwater volume would be required to be infiltrated and/or reused on-site. Thus, there would be no need for new or expanded stormwater drainage systems, and impacts would be **less than significant.**

Pacific Gas and Electric Company (PG&E) provides gas and electricity services in the City. As discussed in Section 3.6, Energy, the project plans to comply with the most current Title 24 California Building Code/Code of Regulations (2016), CAL Green Code, California Green Building Standards Code (2016), and 2016 energy standards at the time of building construction, as amended by the State of California and City of Rohnert Park. The project includes the construction of two "cold shell" buildings and any future tenants would be responsible to comply with all Title 24 energy requirements. The project does not include the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. Therefore, no new or expanded facilities would need to be built and impacts would be **less than significant**.

Telecommunications usage at the site would be dependent on the tenants that move in. If determined to be needed, and if it is deemed possible that there would be a potential effect to the environment, the new or expanded telecommunications facilities would be subject to separate CEQA review. It is reasonably assumed that site operation would not require more telecommunications service than typical light industrial uses. Thus, this impact would be **less than significant.**

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

The City has three water sources: SCWA supply, local groundwater, and recycled water. The City manages these supplies using a "conjunctive use" strategy, drawing on SCWA and recycled-water supplies first and using its local groundwater to manage peak demands. The total supply available to the City through these three sources is 11,427 acre-feet per year (AFY), including 10,077 AFY of potable water and 1,350 AFY of recycled water (City of Rohnert Park 2016f). Under its contract with SCWA, the City has access to as much as 7,500 AFY, although a number of conditions can limit the SCWA supply. Between the years 2006 and 2016, the City used between 2,500 and 5,000 AFY of SCWA supply, which is significantly less than its maximum allocation (City of Rohnert Park 2016f).

The City's local groundwater supply is from the Santa Rosa Plain Subbasin of the Santa Rosa Valley Groundwater Basin. The City manages its groundwater supply in accordance with its 2004 Water Policy Resolution, which limits groundwater pumping to 2,577 AFY. The City's 2004 City-wide Water Supply Assessment provides the technical support for this maximum pumping rate. Between the years 2006 and 2016, the City used between 350 and 1,600 AFY of groundwater, significantly less than its policy limitation on groundwater use (City of Rohnert Park 2016f).

The City's tertiary-treated recycled-water supply is produced by the Santa Rosa Subregional Water Reclamation System. The City and the Subregional System have entered into a producer/distributor agreement that provides the City with access to 1,350 AFY of recycled water. The City uses recycled water primarily for irrigation purposes; demand for recycled water has varied between 800 and 1,100 AFY over from the years 2006 through 2016 (City of Rohnert Park 2016f).

The City completed its 2015 Urban Water Management Plan Water Demand and Water Conservation Measures Update, which projects the City's potable water demands through 2040 based on Association of Bay Area Governments (ABAG) population and job projections. This demand is expected to range between 5,600 and 6,100 AFY, depending on the level of water conservation undertaken by the City. This projected demand is significantly less than the City's available water supplies. This analysis also indicates that the City has the potential to secure approximately 500 AFY (the difference between 5,600 and 6,100 AFY) by undertaking more aggressive water conservation activities (City of Rohnert Park 2016e). As discussed in Section 3.6, Energy, the project plans to comply with the California Green Building Standards Code, which also includes measures to reduce wasteful water use from landscape irrigation systems. The existing water supply sources are expected to be sufficient to provide an adequate supply of water for the project. Development at the project site would not require SCWA to increase its existing water entitlements, and it is reasonably assumed SCWA has an adequate supply to meet the demands associated with the proposed project during normal, dry, and multiple dry years. There would be no unique uses as part of the proposed project that would increase water demand significantly. Additionally, as most water used for the project would be used and turned into wastewater, the estimated 8,082 gpd (or 9.125 AFY) of wastewater that

would be generated also indicates that water demand would not exceed the City's water supplies. Impacts associated the water supply for the project would be **less than significant**.

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

Refer to the answer provided in 'a' above.

d-e) Would the project 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?

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

The North Bay Corporation provides solid waste disposal and composting of organic materials in the City. Waste would be disposed of at the Central Disposal Landfill, which has maximum daily throughput of 2,500 tons per day (City of Rohnert Park 2016f). The Landfill has sufficient permitted capacity to accommodate the project's disposal needs.

Assembly Bill (AB) 939 requires the City to develop and implement a solid waste management program. PRC Section 41780(a)(2) also requires cities and counties to divert 50% of the solid waste produced within their respective jurisdictions through source reduction, recycling, and/or composting activities. Since 2007, Senate Bill 1016 has required cities to report to the California Integrated Waste Management Board (now known as CalRecycle) the amount of garbage disposed in the landfill per person per day. According to CalRecycle's jurisdiction/disposal rate for the 2011 reporting year (CalRecycle 2013), the residential disposal target is 7.1 pounds per person per day. Rohnert Park's annual residential disposal rate of 3.6 pounds per person per day met this target in 2014. The employee disposal target (18.3 pounds per employee per day) was also met, with an actual employee disposal rate of 10.2 pounds per employee per day. The project would not contain features that would generate waste flows at rates that would exceed typical disposal rates for the City; therefore, the project would have a **less-than-significant impact** on the demand for solid waste collection and disposal in the City.

Mitigation Measures

No mitigation measures are necessary.

3.20 Wildfire

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – 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?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

The project site is not located in an area classified as a very high fire hazard severity zone or located near a state responsibility area (CAL FIRE 2008). The project site is located within a local responsibility area (LRA). Most of the area surrounding the project site is developed with a mix of urban land uses.

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

The project would not interfere with any adopted emergency or evacuation plans. As discussed in the Hazards and Hazardous Materials section, the project would not interfere with the City's EMP. The project does not include any operations of activities that would potentially interfere with or impair emergency response plans. Fire suppression services in the project area are currently and would continue to be provided by the City of Rohnert Park DPS. Additionally, the City approved the development of a new Fire Station on the west side of Highway 101, southwest of the project site. Upon completion of the new fire station, response times to the project site would be reduced. Therefore, the project would have **no impact** related to implementation of emergency plans.

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

The project site is in a local responsibility area (LRA) that does not contain any very high fire hazard severity zones (CAL FIRE 2008). Most of the area surrounding the project site is developed with a mix of urban land uses. According to the City's Local Hazard Mitigation Plan, the risk of wildland fires in Rohnert Park is generally low compared to other cities in Sonoma County. The City's development patterns, relatively compact nature, and urban growth boundary have prevented the city from expanding into the surrounding hillsides where the risk of fire is greater. The existence of active agriculture on three sides of the City, as well as the presence of the City of Cotati to the south, lower the chances for an extreme fire event. The City performs regular abatement of grassland areas adjacent to and within the city limits to mitigate fire risk. Thus, there would be a **less-than-significant impact** related to wildfire risks.

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?

As described in the Hazards and Hazardous materials section, wildfire risk at the project site is low, as the site is not within a very high fire hazard severity zone designated by CAL FIRE and most of the area surrounding the project site is already developed with urban uses. The project would require electrical wiring and utility extensions, however, this would not exacerbate fire risk as the project site is located in an area that is already served by existing utilities. Therefore, the proposed project would have a **less-than-significant impact** regarding fire risk associated with new infrastructure.

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?

The proposed project site is relatively flat and within an urbanized area that does not contain a significant risk of flooding, landslides, slope instability, or drainage changes. As noted in the Geology and Soils and Hydrology and Water Quality impact discussions, the proposed project would have a **less-than-significant impact** regarding landslides, flooding, and runoff. There would be no new or increased impacts resulting from the proposed project.

Mitigation Measures

No mitigation measures are necessary.

3.21 Mandatory Findings of Significance

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

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

To ensure that the proposed project does not 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, or reduce the number or restrict the range of a rare or endangered plant or animal, mitigation measures BIO-1 through BIO-4 are required to ensure project construction or operation would not degrade the environment or adversely impact protected species as well as their habitat.

To ensure that cultural and paleontological resources impacts are less than significant, mitigation measures CUL-1, CUL-2, and GEO-1 are required to ensure the proper protocol is followed in the event any cultural or paleontological resources are unearthed during construction. Thus, there would be a **less-than-significant impact with mitigation**.

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)?

The analysis provided throughout this IS/MND demonstrates that the project's contribution to any existing cumulative impacts would be reduced to less-than-significant levels through mitigation and any contribution to an existing cumulative impact would be very small and would not be considered cumulatively considerable. Therefore, the project's cumulative impact would be **less than significant.**

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

The analysis provided throughout this IS/MND identifies project impacts that may be potentially significant and identifies mitigation measures that would reduce each impact to a less-than-significant level. As discussed in Section 3.8, Greenhouse Gas Emissions, the proposed project without mitigation would exceed GHG significance thresholds. With implementation of mitigation measure GHG-1, which would involve the purchase of carbon offsets to reduce the project's emissions below the BAAQMD threshold of significance of 1,100 MT CO_2e per service population per year, the proposed project would not impede the state's trajectory toward statewide GHG reduction goals for 2030 or 2050. As such, the impact is **less-than-significant with mitigation incorporated.**

4 References and Preparers

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4.2 List of Preparers

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Appendix A

Air Quality and Greenhouse Gas Model Outputs

CalEEMod Version: CalEEMod.2016.3.2

Date: 11/7/2019 11:28 AM

Dowdell Industrial Park Project
Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	180.38	1000sqft	4.14	180,380.00	0
Parking Lot	291.00	Space	5.28	230,000.00	0
Other Non-Asphalt Surfaces	0.34	Acre	0.34	14,810.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	499.66	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Dowdell Industrial Park Project. Sonoma County. Updated CO2 intensity to account for 33% RPS.

Land Use - 108,376 SF warehouse buildings and 291 parking spaces on 9.76 acres.

Construction Phase - Construction start: May 2020 Construction finish: November 2020

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - 21,000 cubic yards of soil exported.

Trips and VMT - Updated trips per applicant.

Architectural Coating - Use of low VOC arch coatings.

Vehicle Trips - Updated trip rate per traffic analysis.

Construction Off-road Equipment Mitigation - Assume compliance with BAAQMD Basic Construction Mitigation Measures - water twice daily.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use -

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating

tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	PhaseName		Trenching
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	70.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	36.00	40.00
tblTripsAndVMT	WorkerTripNumber	179.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	1.32	0.84
tblVehicleTrips	SU_TR	0.68	0.43
tblVehicleTrips	WD_TR	6.97	4.43

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.9184	3.3363	2.7841	5.5500e-003	0.2743	0.1558	0.4301	0.1278	0.1465	0.2744	0.0000	490.6128	490.6128	0.0987	0.0000	493.0799
Maximum	**0.9184**	**3.3363**	**2.7841**	**5.5500e-003**	**0.2743**	**0.1558**	**0.4301**	**0.1278**	**0.1465**	**0.2744**	**0.0000**	**490.6128**	**490.6128**	**0.0987**	**0.0000**	**493.0799**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.9184	1.8664	2.7841	5.5500e-003	0.1631	0.1558	0.3189	0.0683	0.1465	0.2148	0.0000	490.6124	490.6124	0.0987	0.0000	493.0795
Maximum	**0.9184**	**1.8664**	**2.7841**	**5.5500e-003**	**0.1631**	**0.1558**	**0.3189**	**0.0683**	**0.1465**	**0.2148**	**0.0000**	**490.6124**	**490.6124**	**0.0987**	**0.0000**	**493.0795**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**44.06**	**0.00**	**0.00**	**40.54**	**0.00**	**25.86**	**46.61**	**0.00**	**21.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7839	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003
Energy	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	609.8550	609.8550	0.0255	8.9300e-003	613.1541
Mobile	0.2208	1.1610	2.6658	8.2000e-003	0.6538	8.4800e-003	0.6623	0.1760	7.9600e-003	0.1839	0.0000	753.3818	753.3818	0.0320	0.0000	754.1827
Waste						0.0000	0.0000		0.0000	0.0000	27.2800	0.0000	27.2800	1.6122	0.0000	67.5849
Water						0.0000	0.0000		0.0000	0.0000	7.9513	30.7361	38.6874	0.8185	0.0197	65.0053
Total	**1.0303**	**1.3943**	**2.8661**	**9.6000e-003**	**0.6538**	**0.0262**	**0.6800**	**0.1760**	**0.0257**	**0.2017**	**35.2313**	**1,393.9813**	**1,429.2126**	**2.4882**	**0.0286**	**1,499.9359**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7839	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003
Energy	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	609.8550	609.8550	0.0255	8.9300e-003	613.1541
Mobile	0.2208	1.1610	2.6658	8.2000e-003	0.6538	8.4800e-003	0.6623	0.1760	7.9600e-003	0.1839	0.0000	753.3818	753.3818	0.0320	0.0000	754.1827
Waste						0.0000	0.0000		0.0000	0.0000	13.6400	0.0000	13.6400	0.8061	0.0000	33.7925
Water						0.0000	0.0000		0.0000	0.0000	6.3610	24.5889	30.9499	0.6548	0.0157	52.0042

Total	**1.0303**	**1.3943**	**2.8661**	**9.6000e-003**	**0.6538**	**0.0262**	**0.6800**	**0.1760**	**0.0257**	**0.2017**	**20.0010**	**1,387.8341**	**1,407.8351**	**1.5184**	**0.0247**	**1,453.1424**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**43.23**	**0.44**	**1.50**	**38.98**	**13.75**	**3.12**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2020	5/21/2020	5	15	
2	Grading	Grading	5/20/2020	6/16/2020	5	20	
3	Building Construction	Building Construction	6/15/2020	12/18/2020	5	135	
4	Trenching	Trenching	6/15/2020	9/18/2020	5	70	
5	Paving	Paving	10/12/2020	10/30/2020	5	15	
6	Architectural Coating	Architectural Coating	11/2/2020	11/20/2020	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 162,564; Non-Residential Outdoor: 54,188; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Site Preparation	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Site Preparation	Off-Highway Tractors	1	8.00	124	0.44
Grading	Generator Sets	1	8.00	84	0.74
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Graders	1	8.00	187	0.41
Grading	Other Construction Equipment	1	8.00	172	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Grading	Rollers	1	8.00	80	0.38
Grading	Scrapers	1	8.00	367	0.48
Building Construction	Generator Sets	2	8.00	84	0.74
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Trenching	Excavators	2	8.00	158	0.38
Trenching	Generator Sets	1	8.00	84	0.74
Trenching	Other Construction Equipment	1	8.00	172	0.42
Trenching	Rubber Tired Loaders	1	8.00	203	0.36
Trenching	Trenchers	1	8.00	78	0.50

Paving	Other Construction Equipment	1	8.00	172	0.42
Paving	Plate Compactors	1	8.00	8	0.43
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Generator Sets	1	8.00	84	0.74
Architectural Coating	Other Construction Equipment	1	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	40.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	0	30.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	40.00	10.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.1967	0.1185	2.3000e-004		9.1100e-003	9.1100e-003		8.3800e-003	8.3800e-003	0.0000	20.4384	20.4384	6.6100e-003	0.0000	20.6037
Total	**0.0172**	**0.1967**	**0.1185**	**2.3000e-004**	**0.1355**	**9.1100e-003**	**0.1446**	**0.0745**	**8.3800e-003**	**0.0829**	**0.0000**	**20.4384**	**20.4384**	**6.6100e-003**	**0.0000**	**20.6037**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	3.0000e-004	9.0000e-003	2.2700e-003	2.0000e-005	4.9000e-004	5.0000e-005	5.3000e-004	1.4000e-004	5.0000e-005	1.9000e-004	0.0000	1.9310	1.9310	1.2000e-004	0.0000	1.9339
Worker	7.2000e-004	5.2000e-004	5.2200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0844	1.0844	4.0000e-005	0.0000	1.0854
Total	**1.0600e-003**	**0.0110**	**7.7900e-003**	**3.0000e-005**	**1.7500e-003**	**7.0000e-005**	**1.8100e-003**	**4.7000e-004**	**7.0000e-005**	**5.4000e-004**	**0.0000**	**3.4006**	**3.4006**	**1.8000e-004**	**0.0000**	**3.4051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.0632	0.1185	2.3000e-004		9.1100e-003	9.1100e-003		8.3800e-003	8.3800e-003	0.0000	20.4384	20.4384	6.6100e-003	0.0000	20.6036
Total	**0.0172**	**0.0632**	**0.1185**	**2.3000e-004**	**0.0610**	**9.1100e-003**	**0.0701**	**0.0335**	**8.3800e-003**	**0.0419**	**0.0000**	**20.4384**	**20.4384**	**6.6100e-003**	**0.0000**	**20.6036**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	3.0000e-004	9.0000e-003	2.2700e-003	2.0000e-005	4.9000e-004	5.0000e-005	5.3000e-004	1.4000e-004	5.0000e-005	1.9000e-004	0.0000	1.9310	1.9310	1.2000e-004	0.0000	1.9339
Worker	7.2000e-004	5.2000e-004	5.2200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0844	1.0844	4.0000e-005	0.0000	1.0854
Total	**1.0600e-003**	**0.0110**	**7.7900e-003**	**3.0000e-005**	**1.7500e-003**	**7.0000e-005**	**1.8100e-003**	**4.7000e-004**	**7.0000e-005**	**5.4000e-004**	**0.0000**	**3.4006**	**3.4006**	**1.8000e-004**	**0.0000**	**3.4051**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0667	0.0000	0.0667	0.0339	0.0000	0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.4076	0.2576	5.1000e-004		0.0187	0.0187		0.0173	0.0173	0.0000	44.3883	44.3883	0.0129	0.0000	44.7095
Total	**0.0363**	**0.4076**	**0.2576**	**5.1000e-004**	**0.0667**	**0.0187**	**0.0854**	**0.0339**	**0.0173**	**0.0512**	**0.0000**	**44.3883**	**44.3883**	**0.0129**	**0.0000**	**44.7095**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	3.9000e-004	0.0120	3.0300e-003	3.0000e-005	6.5000e-004	6.0000e-005	7.1000e-004	1.9000e-004	6.0000e-005	2.5000e-004	0.0000	2.5746	2.5746	1.6000e-004	0.0000	2.5785
Worker	9.5000e-004	6.9000e-004	6.9700e-003	2.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4459	1.4459	5.0000e-005	0.0000	1.4473
Total	**1.3800e-003**	**0.0142**	**0.0103**	**5.0000e-005**	**2.3000e-003**	**8.0000e-005**	**2.3800e-003**	**6.3000e-004**	**8.0000e-005**	**7.1000e-004**	**0.0000**	**4.4057**	**4.4057**	**2.3000e-004**	**0.0000**	**4.4116**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0300	0.0000	0.0300	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.1399	0.2576	5.1000e-004		0.0187	0.0187		0.0173	0.0173	0.0000	44.3882	44.3882	0.0129	0.0000	44.7094
Total	**0.0363**	**0.1399**	**0.2576**	**5.1000e-004**	**0.0300**	**0.0187**	**0.0487**	**0.0152**	**0.0173**	**0.0326**	**0.0000**	**44.3882**	**44.3882**	**0.0129**	**0.0000**	**44.7094**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	3.9000e-004	0.0120	3.0300e-003	3.0000e-005	6.5000e-004	6.0000e-005	7.1000e-004	1.9000e-004	6.0000e-005	2.5000e-004	0.0000	2.5746	2.5746	1.6000e-004	0.0000	2.5785
Worker	9.5000e-004	6.9000e-004	6.9700e-003	2.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4459	1.4459	5.0000e-005	0.0000	1.4473
Total	**1.3800e-003**	**0.0142**	**0.0103**	**5.0000e-005**	**2.3000e-003**	**8.0000e-005**	**2.3800e-003**	**6.3000e-004**	**8.0000e-005**	**7.1000e-004**	**0.0000**	**4.4057**	**4.4057**	**2.3000e-004**	**0.0000**	**4.4116**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1525	1.5120	1.2622	2.2300e-003		0.0775	0.0775		0.0736	0.0736	0.0000	192.6970	192.6970	0.0403	0.0000	193.7052
Total	**0.1525**	**1.5120**	**1.2622**	**2.2300e-003**		**0.0775**	**0.0775**		**0.0736**	**0.0736**	**0.0000**	**192.6970**	**192.6970**	**0.0403**	**0.0000**	**193.7052**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3100e-003	0.1620	0.0409	3.6000e-004	8.7500e-003	8.6000e-004	9.6100e-003	2.5300e-003	8.3000e-004	3.3500e-003	0.0000	34.7570	34.7570	2.1300e-003	0.0000	34.8103
Worker	0.0257	0.0187	0.1881	4.3000e-004	0.0424	3.5000e-004	0.0427	0.0113	3.2000e-004	0.0116	0.0000	39.0400	39.0400	1.4300e-003	0.0000	39.0758
Total	**0.0311**	**0.1807**	**0.2290**	**7.9000e-004**	**0.0511**	**1.2100e-003**	**0.0523**	**0.0138**	**1.1500e-003**	**0.0150**	**0.0000**	**73.7970**	**73.7970**	**3.5600e-003**	**0.0000**	**73.8861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1525	1.0087	1.2622	2.2300e-003		0.0775	0.0775		0.0736	0.0736	0.0000	192.6967	192.6967	0.0403	0.0000	193.7049
Total	**0.1525**	**1.0087**	**1.2622**	**2.2300e-003**		**0.0775**	**0.0775**		**0.0736**	**0.0736**	**0.0000**	**192.6967**	**192.6967**	**0.0403**	**0.0000**	**193.7049**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3100e-003	0.1620	0.0409	3.6000e-004	8.7500e-003	8.6000e-004	9.6100e-003	2.5300e-003	8.3000e-004	3.3500e-003	0.0000	34.7570	34.7570	2.1300e-003	0.0000	34.8103
Worker	0.0257	0.0187	0.1881	4.3000e-004	0.0424	3.5000e-004	0.0427	0.0113	3.2000e-004	0.0116	0.0000	39.0400	39.0400	1.4300e-003	0.0000	39.0758
Total	**0.0311**	**0.1807**	**0.2290**	**7.9000e-004**	**0.0511**	**1.2100e-003**	**0.0523**	**0.0138**	**1.1500e-003**	**0.0150**	**0.0000**	**73.7970**	**73.7970**	**3.5600e-003**	**0.0000**	**73.8861**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0762	0.7612	0.6522	1.1400e-003		0.0398	0.0398		0.0372	0.0372	0.0000	100.1456	100.1456	0.0271	0.0000	100.8233
Total	**0.0762**	**0.7612**	**0.6522**	**1.1400e-003**		**0.0398**	**0.0398**		**0.0372**	**0.0372**	**0.0000**	**100.1456**	**100.1456**	**0.0271**	**0.0000**	**100.8233**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	1.3800e-003	0.0420	0.0106	9.0000e-005	2.2700e-003	2.2000e-004	2.4900e-003	6.6000e-004	2.1000e-004	8.7000e-004	0.0000	9.0111	9.0111	5.5000e-004	0.0000	9.0249
Worker	5.0100e-003	3.6400e-003	0.0366	8.0000e-005	8.2400e-003	7.0000e-005	8.3100e-003	2.1900e-003	6.0000e-005	2.2600e-003	0.0000	7.5911	7.5911	2.8000e-004	0.0000	7.5981
Total	**6.4300e-003**	**0.0471**	**0.0475**	**1.7000e-004**	**0.0106**	**3.0000e-004**	**0.0109**	**2.8700e-003**	**2.8000e-004**	**3.1600e-003**	**0.0000**	**16.9874**	**16.9874**	**8.5000e-004**	**0.0000**	**17.0087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0762	0.2906	0.6522	1.1400e-003		0.0398	0.0398		0.0372	0.0372	0.0000	100.1455	100.1455	0.0271	0.0000	100.8231
Total	**0.0762**	**0.2906**	**0.6522**	**1.1400e-003**		**0.0398**	**0.0398**		**0.0372**	**0.0372**	**0.0000**	**100.1455**	**100.1455**	**0.0271**	**0.0000**	**100.8231**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4800e-003	3.0000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.3852	0.3852	2.0000e-005	0.0000	0.3858
Vendor	1.3800e-003	0.0420	0.0106	9.0000e-005	2.2700e-003	2.2000e-004	2.4900e-003	6.6000e-004	2.1000e-004	8.7000e-004	0.0000	9.0111	9.0111	5.5000e-004	0.0000	9.0249
Worker	5.0100e-003	3.6400e-003	0.0366	8.0000e-005	8.2400e-003	7.0000e-005	8.3100e-003	2.1900e-003	6.0000e-005	2.2600e-003	0.0000	7.5911	7.5911	2.8000e-004	0.0000	7.5981
Total	**6.4300e-003**	**0.0471**	**0.0475**	**1.7000e-004**	**0.0106**	**3.0000e-004**	**0.0109**	**2.8700e-003**	**2.8000e-004**	**3.1600e-003**	**0.0000**	**16.9874**	**16.9874**	**8.5000e-004**	**0.0000**	**17.0087**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0900e-003	0.0939	0.0874	1.4000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	11.8194	11.8194	3.7700e-003	0.0000	11.9137
Paving	6.9200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0160**	**0.0939**	**0.0874**	**1.4000e-004**		**4.9700e-003**	**4.9700e-003**		**4.5800e-003**	**4.5800e-003**	**0.0000**	**11.8194**	**11.8194**	**3.7700e-003**	**0.0000**	**11.9137**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9500e-003	6.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7704	0.7704	5.0000e-005	0.0000	0.7715
Vendor	3.0000e-004	9.0000e-003	2.2700e-003	2.0000e-005	4.9000e-004	5.0000e-005	5.3000e-004	1.4000e-004	5.0000e-005	1.9000e-004	0.0000	1.9310	1.9310	1.2000e-004	0.0000	1.9339
Worker	1.4300e-003	1.0400e-003	0.0105	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.4000e-004	0.0000	2.1689	2.1689	8.0000e-005	0.0000	2.1709
Total	**1.8100e-003**	**0.0130**	**0.0133**	**5.0000e-005**	**3.0100e-003**	**8.0000e-005**	**3.0800e-003**	**8.2000e-004**	**8.0000e-005**	**8.9000e-004**	**0.0000**	**4.8702**	**4.8702**	**2.5000e-004**	**0.0000**	**4.8763**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0900e-003	0.0528	0.0874	1.4000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	11.8194	11.8194	3.7700e-003	0.0000	11.9136
Paving	6.9200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0160**	**0.0528**	**0.0874**	**1.4000e-004**		**4.9700e-003**	**4.9700e-003**		**4.5800e-003**	**4.5800e-003**	**0.0000**	**11.8194**	**11.8194**	**3.7700e-003**	**0.0000**	**11.9136**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.9500e-003	6.0000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7704	0.7704	5.0000e-005	0.0000	0.7715
Vendor	3.0000e-004	9.0000e-003	2.2700e-003	2.0000e-005	4.9000e-004	5.0000e-005	5.3000e-004	1.4000e-004	5.0000e-005	1.9000e-004	0.0000	1.9310	1.9310	1.2000e-004	0.0000	1.9339
Worker	1.4300e-003	1.0400e-003	0.0105	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.4000e-004	0.0000	2.1689	2.1689	8.0000e-005	0.0000	2.1709
Total	**1.8100e-003**	**0.0130**	**0.0133**	**5.0000e-005**	**3.0100e-003**	**8.0000e-005**	**3.0800e-003**	**8.2000e-004**	**8.0000e-005**	**8.9000e-004**	**0.0000**	**4.8702**	**4.8702**	**2.5000e-004**	**0.0000**	**4.8763**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5689					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5900e-003	0.0799	0.0833	1.3000e-004		3.8700e-003	3.8700e-003		3.6800e-003	3.6800e-003	0.0000	11.6326	11.6326	2.6300e-003	0.0000	11.6983
Total	**0.5764**	**0.0799**	**0.0833**	**1.3000e-004**		**3.8700e-003**	**3.8700e-003**		**3.6800e-003**	**3.6800e-003**	**0.0000**	**11.6326**	**11.6326**	**2.6300e-003**	**0.0000**	**11.6983**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9000e-004	0.0180	4.5400e-003	4.0000e-005	9.7000e-004	1.0000e-004	1.0700e-003	2.8000e-004	9.0000e-005	3.7000e-004	0.0000	3.8619	3.8619	2.4000e-004	0.0000	3.8678
Worker	1.4300e-003	1.0400e-003	0.0105	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.4000e-004	0.0000	2.1689	2.1689	8.0000e-005	0.0000	2.1709
Total	**2.0200e-003**	**0.0190**	**0.0150**	**6.0000e-005**	**3.3200e-003**	**1.2000e-004**	**3.4400e-003**	**9.1000e-004**	**1.1000e-004**	**1.0100e-003**	**0.0000**	**6.0308**	**6.0308**	**3.2000e-004**	**0.0000**	**6.0387**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5689					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5900e-003	0.0261	0.0833	1.3000e-004		3.8700e-003	3.8700e-003		3.6800e-003	3.6800e-003	0.0000	11.6326	11.6326	2.6300e-003	0.0000	11.6983
Total	**0.5764**	**0.0261**	**0.0833**	**1.3000e-004**		**3.8700e-003**	**3.8700e-003**		**3.6800e-003**	**3.6800e-003**	**0.0000**	**11.6326**	**11.6326**	**2.6300e-003**	**0.0000**	**11.6983**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9000e-004	0.0180	4.5400e-003	4.0000e-005	9.7000e-004	1.0000e-004	1.0700e-003	2.8000e-004	9.0000e-005	3.7000e-004	0.0000	3.8619	3.8619	2.4000e-004	0.0000	3.8678
Worker	1.4300e-003	1.0400e-003	0.0105	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.4000e-004	0.0000	2.1689	2.1689	8.0000e-005	0.0000	2.1709
Total	**2.0200e-003**	**0.0190**	**0.0150**	**6.0000e-005**	**3.3200e-003**	**1.2000e-004**	**3.4400e-003**	**9.1000e-004**	**1.1000e-004**	**1.0100e-003**	**0.0000**	**6.0308**	**6.0308**	**3.2000e-004**	**0.0000**	**6.0387**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2208	1.1610	2.6658	8.2000e-003	0.6538	8.4800e-003	0.6623	0.1760	7.9600e-003	0.1839	0.0000	753.3818	753.3818	0.0320	0.0000	754.1827
Unmitigated	0.2208	1.1610	2.6658	8.2000e-003	0.6538	8.4800e-003	0.6623	0.1760	7.9600e-003	0.1839	0.0000	753.3818	753.3818	0.0320	0.0000	754.1827

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	799.08	151.52	77.56	1,761,925	1,761,925
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	799.08	151.52	77.56	1,761,925	1,761,925

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Other Non-Asphalt Surfaces	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Parking Lot	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	355.9273	355.9273	0.0207	4.2700e-003	357.7174
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	355.9273	355.9273	0.0207	4.2700e-003	357.7174
NaturalGas Mitigated	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.9277	253.9277	4.8700e-003	4.6600e-003	255.4366
NaturalGas Unmitigated	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.9277	253.9277	4.8700e-003	4.6600e-003	255.4366

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	4.75842e+006	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.9277	253.9277	4.8700e-003	4.6600e-003	255.4366
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0257**	**0.2333**	**0.1959**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.9277**	**253.9277**	**4.8700e-003**	**4.6600e-003**	**255.4366**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	4.75842e+006	0.0257	0.2333	0.1959	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.9277	253.9277	4.8700e-003	4.6600e-003	255.4366
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0257**	**0.2333**	**0.1959**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.9277**	**253.9277**	**4.8700e-003**	**4.6600e-003**	**255.4366**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48994e+006	337.6827	0.0196	4.0500e-003	339.3810
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80500	18.2447	1.0600e-003	2.2000e-004	18.3364
Total		**355.9273**	**0.0207**	**4.2700e-003**	**357.7174**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48994e+006	337.6827	0.0196	4.0500e-003	339.3810
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80500	18.2447	1.0600e-003	2.2000e-004	18.3364
Total		**355.9273**	**0.0207**	**4.2700e-003**	**357.7174**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7839	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003
Unmitigated	0.7839	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003
Total	**0.7839**	**4.0000e-005**	**4.3500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**8.4300e-003**	**8.4300e-003**	**2.0000e-005**	**0.0000**	**8.9900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.3500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.4300e-003	8.4300e-003	2.0000e-005	0.0000	8.9900e-003
Total	**0.7839**	**4.0000e-005**	**4.3500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**8.4300e-003**	**8.4300e-003**	**2.0000e-005**	**0.0000**	**8.9900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	30.9499	0.6548	0.0157	52.0042
Unmitigated	38.6874	0.8185	0.0197	65.0053

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	25.0629 / 0	38.6874	0.8185	0.0197	65.0053
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**38.6874**	**0.8185**	**0.0197**	**65.0053**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	20.0503 / 0	30.9499	0.6548	0.0157	52.0042
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**30.9499**	**0.6548**	**0.0157**	**52.0042**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.6400	0.8061	0.0000	33.7925
Unmitigated	27.2800	1.6122	0.0000	67.5849

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	134.39	27.2800	1.6122	0.0000	67.5849
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**27.2800**	**1.6122**	**0.0000**	**67.5849**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	67.195	13.6400	0.8061	0.0000	33.7925
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.6400**	**0.8061**	**0.0000**	**33.7925**

CalEEMod Version: CalEEMod.2016.3.2

Date: 11/7/2019 11:33 AM

Dowdell Industrial Park Project

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	180.38	1000sqft	4.14	180,380.00	0
Parking Lot	291.00	Space	5.28	230,000.00	0
Other Non-Asphalt Surfaces	0.34	Acre	0.34	14,810.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	499.66	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Dowdell Industrial Park Project. Sonoma County. Updated CO2 intensity to account for 33% RPS.

Land Use - 108,376 SF warehouse buildings and 291 parking spaces on 9.76 acres.

Construction Phase - Construction start: May 2020 Construction finish: November 2020

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - 21,000 cubic yards of soil exported.

Trips and VMT - Updated trips per applicant.

Architectural Coating - Use of low VOC arch coatings.

Vehicle Trips - Updated trip rate per traffic analysis.

Construction Off-road Equipment Mitigation - Assume compliance with BAAQMD Basic Construction Mitigation Measures - water twice daily.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use -

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tblConstructionPhase	PhaseEndDate	7/9/2020	6/16/2020
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tblConstructionPhase	PhaseEndDate	6/11/2020	5/21/2020
tblConstructionPhase	PhaseStartDate	6/25/2021	11/2/2020
tblConstructionPhase	PhaseStartDate	7/10/2020	6/15/2020
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tblConstructionPhase	PhaseStartDate	5/29/2020	5/1/2020
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tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	36.00	40.00
tblTripsAndVMT	WorkerTripNumber	179.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	1.32	0.84
tblVehicleTrips	SU_TR	0.68	0.43
tblVehicleTrips	WD_TR	6.97	4.43

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	79.8587	90.2431	69.0471	0.1387	25.2207	4.1866	28.3181	13.4475	3.9182	16.3133	0.0000	13,496.7697	13,496.7697	3.0385	0.0000	13,572.7319
Maximum	**79.8587**	**90.2431**	**69.0471**	**0.1387**	**25.2207**	**4.1866**	**28.3181**	**13.4475**	**3.9182**	**16.3133**	**0.0000**	**13,496.7697**	**13,496.7697**	**3.0385**	**0.0000**	**13,572.7319**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	79.8587	42.5754	69.0471	0.1387	11.6152	4.1866	14.7126	6.1236	3.9182	8.9895	0.0000	13,496.7696	13,496.7696	3.0385	0.0000	13,572.7319
Maximum	**79.8587**	**42.5754**	**69.0471**	**0.1387**	**11.6152**	**4.1866**	**14.7126**	**6.1236**	**3.9182**	**8.9895**	**0.0000**	**13,496.7696**	**13,496.7696**	**3.0385**	**0.0000**	**13,572.7319**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**52.82**	**0.00**	**0.00**	**53.95**	**0.00**	**48.05**	**54.46**	**0.00**	**44.89**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Energy	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Mobile	1.7854	8.1613	19.9458	0.0626	4.9742	0.0615	5.0357	1.3335	0.0578	1.3913		6,329.0094	6,329.0094	0.2587		6,335.4764
Total	**6.2235**	**9.4399**	**21.0678**	**0.0702**	**4.9742**	**0.1588**	**5.1330**	**1.3335**	**0.1551**	**1.4886**		**7,862.8514**	**7,862.8514**	**0.2884**	**0.0281**	**7,878.4394**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Energy	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Mobile	1.7854	8.1613	19.9458	0.0626	4.9742	0.0615	5.0357	1.3335	0.0578	1.3913		6,329.0094	6,329.0094	0.2587		6,335.4764
Total	**6.2235**	**9.4399**	**21.0678**	**0.0702**	**4.9742**	**0.1588**	**5.1330**	**1.3335**	**0.1551**	**1.4886**		**7,862.8514**	**7,862.8514**	**0.2884**	**0.0281**	**7,878.4394**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2020	5/21/2020	5	15	
2	Grading	Grading	5/20/2020	6/16/2020	5	20	
3	Building Construction	Building Construction	6/15/2020	12/18/2020	5	135	
4	Trenching	Trenching	6/15/2020	9/18/2020	5	70	
5	Paving	Paving	10/12/2020	10/30/2020	5	15	
6	Architectural Coating	Architectural Coating	11/2/2020	11/20/2020	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 162,564; Non-Residential Outdoor: 54,188; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Site Preparation	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Site Preparation	Off-Highway Tractors	1	8.00	124	0.44
Grading	Generator Sets	1	8.00	84	0.74
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Graders	1	8.00	187	0.41
Grading	Other Construction Equipment	1	8.00	172	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Grading	Rollers	1	8.00	80	0.38
Grading	Scrapers	1	8.00	367	0.48
Building Construction	Generator Sets	2	8.00	84	0.74
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Trenching	Excavators	2	8.00	158	0.38
Trenching	Generator Sets	1	8.00	84	0.74
Trenching	Other Construction Equipment	1	8.00	172	0.42
Trenching	Rubber Tired Loaders	1	8.00	203	0.36
Trenching	Trenchers	1	8.00	78	0.50

Paving	Other Construction Equipment	1	8.00	172	0.42
Paving	Plate Compactors	1	8.00	8	0.43
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Generator Sets	1	8.00	84	0.74
Architectural Coating	Other Construction Equipment	1	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	40.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	0	30.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	40.00	10.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.2889	26.2260	15.7974	0.0310		1.2143	1.2143		1.1172	1.1172		3,003.9316	3,003.9316	0.9715		3,028.2199
Total	**2.2889**	**26.2260**	**15.7974**	**0.0310**	**18.0663**	**1.2143**	**19.2806**	**9.9307**	**1.1172**	**11.0479**		**3,003.9316**	**3,003.9316**	**0.9715**		**3,028.2199**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2400e-003	0.1934	0.0390	5.3000e-004	0.0115	6.9000e-004	0.0122	3.1400e-003	6.6000e-004	3.8100e-003		56.9377	56.9377	3.4100e-003		57.0230
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.1416**	**1.4424**	**1.0584**	**4.9200e-003**	**0.2431**	**8.3000e-003**	**0.2514**	**0.0661**	**7.8900e-003**	**0.0740**		**512.9291**	**512.9291**	**0.0263**		**513.5870**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.2889	8.4307	15.7974	0.0310		1.2143	1.2143		1.1172	1.1172	0.0000	3,003.9316	3,003.9316	0.9715		3,028.2199
Total	**2.2889**	**8.4307**	**15.7974**	**0.0310**	**8.1298**	**1.2143**	**9.3442**	**4.4688**	**1.1172**	**5.5860**	**0.0000**	**3,003.9316**	**3,003.9316**	**0.9715**		**3,028.2199**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2400e-003	0.1934	0.0390	5.3000e-004	0.0115	6.9000e-004	0.0122	3.1400e-003	6.6000e-004	3.8100e-003		56.9377	56.9377	3.4100e-003		57.0230
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.1416**	**1.4424**	**1.0584**	**4.9200e-003**	**0.2431**	**8.3000e-003**	**0.2514**	**0.0661**	**7.8900e-003**	**0.0740**		**512.9291**	**512.9291**	**0.0263**		**513.5870**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6711	0.0000	6.6711	3.3855	0.0000	3.3855			0.0000			0.0000
Off-Road	3.6283	40.7566	25.7611	0.0507		1.8667	1.8667		1.7330	1.7330		4,892.9722	4,892.9722	1.4161		4,928.3739
Total	**3.6283**	**40.7566**	**25.7611**	**0.0507**	**6.6711**	**1.8667**	**8.5378**	**3.3855**	**1.7330**	**5.1185**		**4,892.9722**	**4,892.9722**	**1.4161**		**4,928.3739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9300e-003	0.1450	0.0292	4.0000e-004	8.6300e-003	5.2000e-004	9.1500e-003	2.3600e-003	5.0000e-004	2.8500e-003		42.7033	42.7033	2.5600e-003		42.7672
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.1403**	**1.3941**	**1.0487**	**4.7900e-003**	**0.2402**	**8.1300e-003**	**0.2484**	**0.0653**	**7.7300e-003**	**0.0730**		**498.6947**	**498.6947**	**0.0255**		**499.3312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0020	0.0000	3.0020	1.5235	0.0000	1.5235			0.0000			0.0000
Off-Road	3.6283	13.9904	25.7611	0.0507		1.8667	1.8667		1.7330	1.7330	0.0000	4,892.9722	4,892.9722	1.4161		4,928.3739
Total	**3.6283**	**13.9904**	**25.7611**	**0.0507**	**3.0020**	**1.8667**	**4.8687**	**1.5235**	**1.7330**	**3.2565**	**0.0000**	**4,892.9722**	**4,892.9722**	**1.4161**		**4,928.3739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9300e-003	0.1450	0.0292	4.0000e-004	8.6300e-003	5.2000e-004	9.1500e-003	2.3600e-003	5.0000e-004	2.8500e-003		42.7033	42.7033	2.5600e-003		42.7672
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.1403**	**1.3941**	**1.0487**	**4.7900e-003**	**0.2402**	**8.1300e-003**	**0.2484**	**0.0653**	**7.7300e-003**	**0.0730**		**498.6947**	**498.6947**	**0.0255**		**499.3312**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2596	22.4001	18.6992	0.0330		1.1486	1.1486		1.0909	1.0909		3,146.8449	3,146.8449	0.6586		3,163.3093
Total	**2.2596**	**22.4001**	**18.6992**	**0.0330**		**1.1486**	**1.1486**		**1.0909**	**1.0909**		**3,146.8449**	**3,146.8449**	**0.6586**		**3,163.3093**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.3743	0.5697	5.3800e-003	0.1346	0.0127	0.1473	0.0387	0.0121	0.0508		572.7544	572.7544	0.0336		573.5943
Worker	0.3911	0.2476	2.9384	6.8200e-003	0.6572	5.1100e-003	0.6623	0.1743	4.7200e-003	0.1790		678.4566	678.4566	0.0244		679.0675
Total	**0.4682**	**2.6219**	**3.5081**	**0.0122**	**0.7918**	**0.0178**	**0.8096**	**0.2130**	**0.0168**	**0.2298**		**1,251.2110**	**1,251.2110**	**0.0580**		**1,252.6618**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2596	14.9438	18.6992	0.0330		1.1486	1.1486		1.0909	1.0909	0.0000	3,146.8449	3,146.8449	0.6586		3,163.3093
Total	**2.2596**	**14.9438**	**18.6992**	**0.0330**		**1.1486**	**1.1486**		**1.0909**	**1.0909**	**0.0000**	**3,146.8449**	**3,146.8449**	**0.6586**		**3,163.3093**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.3743	0.5697	5.3800e-003	0.1346	0.0127	0.1473	0.0387	0.0121	0.0508		572.7544	572.7544	0.0336		573.5943
Worker	0.3911	0.2476	2.9384	6.8200e-003	0.6572	5.1100e-003	0.6623	0.1743	4.7200e-003	0.1790		678.4566	678.4566	0.0244		679.0675
Total	**0.4682**	**2.6219**	**3.5081**	**0.0122**	**0.7918**	**0.0178**	**0.8096**	**0.2130**	**0.0168**	**0.2298**		**1,251.2110**	**1,251.2110**	**0.0580**		**1,252.6618**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1769	21.7491	18.6350	0.0327		1.1370	1.1370		1.0618	1.0618		3,154.0475	3,154.0475	0.8537		3,175.3891
Total	**2.1769**	**21.7491**	**18.6350**	**0.0327**		**1.1370**	**1.1370**		**1.0618**	**1.0618**		**3,154.0475**	**3,154.0475**	**0.8537**		**3,175.3891**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0414	8.3500e-003	1.1000e-004	2.4700e-003	1.5000e-004	2.6100e-003	6.7000e-004	1.4000e-004	8.2000e-004		12.2010	12.2010	7.3000e-004		12.2192
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.1467	0.0929	1.1019	2.5600e-003	0.2464	1.9200e-003	0.2484	0.0654	1.7700e-003	0.0671		254.4212	254.4212	9.1600e-003		254.6503
Total	**0.1864**	**1.3214**	**1.3951**	**5.3600e-003**	**0.3162**	**8.4000e-003**	**0.3246**	**0.0854**	**7.9600e-003**	**0.0934**		**552.9994**	**552.9994**	**0.0267**		**553.6667**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1769	8.3039	18.6350	0.0327		1.1370	1.1370		1.0618	1.0618	0.0000	3,154.0475	3,154.0475	0.8537		3,175.3891
Total	**2.1769**	**8.3039**	**18.6350**	**0.0327**		**1.1370**	**1.1370**		**1.0618**	**1.0618**	**0.0000**	**3,154.0475**	**3,154.0475**	**0.8537**		**3,175.3891**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0414	8.3500e-003	1.1000e-004	2.4700e-003	1.5000e-004	2.6100e-003	6.7000e-004	1.4000e-004	8.2000e-004		12.2010	12.2010	7.3000e-004		12.2192
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.1467	0.0929	1.1019	2.5600e-003	0.2464	1.9200e-003	0.2484	0.0654	1.7700e-003	0.0671		254.4212	254.4212	9.1600e-003		254.6503
Total	**0.1864**	**1.3214**	**1.3951**	**5.3600e-003**	**0.3162**	**8.4000e-003**	**0.3246**	**0.0854**	**7.9600e-003**	**0.0934**		**552.9994**	**552.9994**	**0.0267**		**553.6667**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2124	12.5232	11.6586	0.0181		0.6626	0.6626		0.6104	0.6104		1,737.1502	1,737.1502	0.5543		1,751.0067
Paving	0.9222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1346**	**12.5232**	**11.6586**	**0.0181**		**0.6626**	**0.6626**		**0.6104**	**0.6104**		**1,737.1502**	**1,737.1502**	**0.5543**		**1,751.0067**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0105	0.3868	0.0779	1.0600e-003	0.0230	1.3900e-003	0.0244	6.2800e-003	1.3300e-003	7.6100e-003		113.8755	113.8755	6.8200e-003		114.0459
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.1956	0.1238	1.4692	3.4100e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		339.2283	339.2283	0.0122		339.5338
Total	**0.2446**	**1.6977**	**1.8320**	**7.1600e-003**	**0.4189**	**0.0103**	**0.4292**	**0.1128**	**9.7400e-003**	**0.1225**		**739.4810**	**739.4810**	**0.0358**		**740.3768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2124	7.0328	11.6586	0.0181		0.6626	0.6626		0.6104	0.6104	0.0000	1,737.1502	1,737.1502	0.5543		1,751.0066
Paving	0.9222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1346**	**7.0328**	**11.6586**	**0.0181**		**0.6626**	**0.6626**		**0.6104**	**0.6104**	**0.0000**	**1,737.1502**	**1,737.1502**	**0.5543**		**1,751.0066**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0105	0.3868	0.0779	1.0600e-003	0.0230	1.3900e-003	0.0244	6.2800e-003	1.3300e-003	7.6100e-003		113.8755	113.8755	6.8200e-003		114.0459
Vendor	0.0386	1.1871	0.2849	2.6900e-003	0.0673	6.3300e-003	0.0736	0.0194	6.0500e-003	0.0254		286.3772	286.3772	0.0168		286.7971
Worker	0.1956	0.1238	1.4692	3.4100e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		339.2283	339.2283	0.0122		339.5338
Total	**0.2446**	**1.6977**	**1.8320**	**7.1600e-003**	**0.4189**	**0.0103**	**0.4292**	**0.1128**	**9.7400e-003**	**0.1225**		**739.4810**	**739.4810**	**0.0358**		**740.3768**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.8464					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0118	10.6486	11.1104	0.0178		0.5156	0.5156		0.4901	0.4901		1,709.6982	1,709.6982	0.3865		1,719.3615
Total	**76.8582**	**10.6486**	**11.1104**	**0.0178**		**0.5156**	**0.5156**		**0.4901**	**0.4901**		**1,709.6982**	**1,709.6982**	**0.3865**		**1,719.3615**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.3743	0.5697	5.3800e-003	0.1346	0.0127	0.1473	0.0387	0.0121	0.0508		572.7544	572.7544	0.0336		573.5943
Worker	0.1956	0.1238	1.4692	3.4100e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		339.2283	339.2283	0.0122		339.5338
Total	**0.2727**	**2.4981**	**2.0389**	**8.7900e-003**	**0.4632**	**0.0152**	**0.4784**	**0.1259**	**0.0145**	**0.1403**		**911.9827**	**911.9827**	**0.0458**		**913.1280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.8464					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0118	3.4786	11.1104	0.0178		0.5156	0.5156		0.4901	0.4901	0.0000	1,709.6982	1,709.6982	0.3865		1,719.3615
Total	**76.8582**	**3.4786**	**11.1104**	**0.0178**		**0.5156**	**0.5156**		**0.4901**	**0.4901**	**0.0000**	**1,709.6982**	**1,709.6982**	**0.3865**		**1,719.3615**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.3743	0.5697	5.3800e-003	0.1346	0.0127	0.1473	0.0387	0.0121	0.0508		572.7544	572.7544	0.0336		573.5943
Worker	0.1956	0.1238	1.4692	3.4100e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		339.2283	339.2283	0.0122		339.5338
Total	**0.2727**	**2.4981**	**2.0389**	**8.7900e-003**	**0.4632**	**0.0152**	**0.4784**	**0.1259**	**0.0145**	**0.1403**		**911.9827**	**911.9827**	**0.0458**		**913.1280**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7854	8.1613	19.9458	0.0626	4.9742	0.0615	5.0357	1.3335	0.0578	1.3913		6,329.0094	6,329.0094	0.2587		6,335.4764
Unmitigated	1.7854	8.1613	19.9458	0.0626	4.9742	0.0615	5.0357	1.3335	0.0578	1.3913		6,329.0094	6,329.0094	0.2587		6,335.4764

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	799.08	151.52	77.56	1,761,925	1,761,925
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	799.08	151.52	77.56	1,761,925	1,761,925

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Other Non-Asphalt Surfaces	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Parking Lot	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
NaturalGas Unmitigated	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	13036.8	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1406**	**1.2781**	**1.0736**	**7.6700e-003**		**0.0971**	**0.0971**		**0.0971**	**0.0971**		**1,533.7387**	**1,533.7387**	**0.0294**	**0.0281**	**1,542.8530**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	13.0368	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1406**	**1.2781**	**1.0736**	**7.6700e-003**		**0.0971**	**0.0971**		**0.0971**	**0.0971**		**1,533.7387**	**1,533.7387**	**0.0294**	**0.0281**	**1,542.8530**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Unmitigated	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5200e-003	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Total	**4.2975**	**4.4000e-004**	**0.0484**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1032**	**0.1032**	**2.7000e-004**		**0.1101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5200e-003	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Total	**4.2975**	**4.4000e-004**	**0.0484**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1032**	**0.1032**	**2.7000e-004**		**0.1101**

CalEEMod Version: CalEEMod.2016.3.2

Date: 11/7/2019 11:36 AM

Dowdell Industrial Park Project
Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	180.38	1000sqft	4.14	180,380.00	0
Parking Lot	291.00	Space	5.28	230,000.00	0
Other Non-Asphalt Surfaces	0.34	Acre	0.34	14,810.40	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	499.66	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Dowdell Industrial Park Project. Sonoma County. Updated CO2 intensity to account for 33% RPS.

Land Use - 108,376 SF warehouse buildings and 291 parking spaces on 9.76 acres.

Construction Phase - Construction start: May 2020 Construction finish: November 2020

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - 21,000 cubic yards of soil exported.

Trips and VMT - Updated trips per applicant.

Architectural Coating - Use of low VOC arch coatings.

Vehicle Trips - Updated trip rate per traffic analysis.

Construction Off-road Equipment Mitigation - Assume compliance with BAAQMD Basic Construction Mitigation Measures - water twice daily.

Water Mitigation - 20% reduction in water consumption consistent with CalGreen.

Waste Mitigation - Assume 50% waste diverted consistent with AB 939.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	PhaseEndDate	7/22/2021	11/20/2020
tblConstructionPhase	PhaseEndDate	5/27/2021	12/18/2020
tblConstructionPhase	PhaseEndDate	7/9/2020	6/16/2020
tblConstructionPhase	PhaseEndDate	6/24/2021	10/30/2020
tblConstructionPhase	PhaseEndDate	6/11/2020	5/21/2020
tblConstructionPhase	PhaseStartDate	6/25/2021	11/2/2020
tblConstructionPhase	PhaseStartDate	7/10/2020	6/15/2020
tblConstructionPhase	PhaseStartDate	6/12/2020	5/20/2020
tblConstructionPhase	PhaseStartDate	5/28/2021	10/12/2020
tblConstructionPhase	PhaseStartDate	5/29/2020	5/1/2020
tblGrading	MaterialExported	0.00	21,000.00
tblLandUse	LandUseSquareFeet	116,400.00	230,000.00
tblLandUse	LotAcreage	2.62	5.28

tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating

tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	PhaseName		Trenching
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	70.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	36.00	40.00
tblTripsAndVMT	WorkerTripNumber	179.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	1.32	0.84
tblVehicleTrips	SU_TR	0.68	0.43
tblVehicleTrips	WD_TR	6.97	4.43

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	79.9128	90.4000	69.0992	0.1377	25.2207	4.1872	28.3184	13.4475	3.9188	16.3137	0.0000	13,393.5680	13,393.5680	3.0425	0.0000	13,469.6303
Maximum	**79.9128**	**90.4000**	**69.0992**	**0.1377**	**25.2207**	**4.1872**	**28.3184**	**13.4475**	**3.9188**	**16.3137**	**0.0000**	**13,393.5680**	**13,393.5680**	**3.0425**	**0.0000**	**13,469.6303**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	79.9128	42.7324	69.0992	0.1377	11.6152	4.1872	14.7129	6.1236	3.9188	8.9898	0.0000	13,393.5680	13,393.5680	3.0425	0.0000	13,469.6303
Maximum	**79.9128**	**42.7324**	**69.0992**	**0.1377**	**11.6152**	**4.1872**	**14.7129**	**6.1236**	**3.9188**	**8.9898**	**0.0000**	**13,393.5680**	**13,393.5680**	**3.0425**	**0.0000**	**13,469.6303**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**52.73**	**0.00**	**0.00**	**53.95**	**0.00**	**48.04**	**54.46**	**0.00**	**44.89**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Energy	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Mobile	1.6017	8.6672	20.2479	0.0592	4.9742	0.0621	5.0363	1.3335	0.0583	1.3918		5,987.0272	5,987.0272	0.2626		5,993.5913
Total	**6.0397**	**9.9457**	**21.3699**	**0.0668**	**4.9742**	**0.1594**	**5.1336**	**1.3335**	**0.1556**	**1.4892**		**7,520.8692**	**7,520.8692**	**0.2922**	**0.0281**	**7,536.5543**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Energy	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Mobile	1.6017	8.6672	20.2479	0.0592	4.9742	0.0621	5.0363	1.3335	0.0583	1.3918		5,987.0272	5,987.0272	0.2626		5,993.5913
Total	**6.0397**	**9.9457**	**21.3699**	**0.0668**	**4.9742**	**0.1594**	**5.1336**	**1.3335**	**0.1556**	**1.4892**		**7,520.8692**	**7,520.8692**	**0.2922**	**0.0281**	**7,536.5543**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2020	5/21/2020	5	15	
2	Grading	Grading	5/20/2020	6/16/2020	5	20	
3	Building Construction	Building Construction	6/15/2020	12/18/2020	5	135	
4	Trenching	Trenching	6/15/2020	9/18/2020	5	70	
5	Paving	Paving	10/12/2020	10/30/2020	5	15	
6	Architectural Coating	Architectural Coating	11/2/2020	11/20/2020	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 162,564; Non-Residential Outdoor: 54,188; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Site Preparation	Graders	1	8.00	187	0.41
Grading	Crawler Tractors	1	8.00	212	0.43
Building Construction	Aerial Lifts	2	8.00	63	0.31
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Site Preparation	Off-Highway Tractors	1	8.00	124	0.44
Grading	Generator Sets	1	8.00	84	0.74
Building Construction	Forklifts	2	8.00	89	0.20
Grading	Graders	1	8.00	187	0.41
Grading	Other Construction Equipment	1	8.00	172	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Grading	Rollers	1	8.00	80	0.38
Grading	Scrapers	1	8.00	367	0.48
Building Construction	Generator Sets	2	8.00	84	0.74
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Trenching	Excavators	2	8.00	158	0.38
Trenching	Generator Sets	1	8.00	84	0.74
Trenching	Other Construction Equipment	1	8.00	172	0.42
Trenching	Rubber Tired Loaders	1	8.00	203	0.36
Trenching	Trenchers	1	8.00	78	0.50

Paving	Other Construction Equipment	1	8.00	172	0.42
Paving	Plate Compactors	1	8.00	8	0.43
Architectural Coating	Aerial Lifts	3	8.00	63	0.31
Architectural Coating	Generator Sets	1	8.00	84	0.74
Architectural Coating	Other Construction Equipment	1	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	40.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	0	30.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	40.00	10.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	20.00	10.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.2889	26.2260	15.7974	0.0310		1.2143	1.2143		1.1172	1.1172		3,003.9316	3,003.9316	0.9715		3,028.2199
Total	**2.2889**	**26.2260**	**15.7974**	**0.0310**	**18.0663**	**1.2143**	**19.2806**	**9.9307**	**1.1172**	**11.0479**		**3,003.9316**	**3,003.9316**	**0.9715**		**3,028.2199**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.3800e-003	0.1982	0.0418	5.2000e-004	0.0115	7.1000e-004	0.0122	3.1400e-003	6.8000e-004	3.8200e-003		56.1592	56.1592	3.5700e-003		56.2483
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1514**	**1.4760**	**1.0840**	**4.7400e-003**	**0.2431**	**8.4600e-003**	**0.2516**	**0.0661**	**8.0500e-003**	**0.0741**		**494.0309**	**494.0309**	**0.0276**		**494.7204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.2889	8.4307	15.7974	0.0310		1.2143	1.2143		1.1172	1.1172	0.0000	3,003.9316	3,003.9316	0.9715		3,028.2199
Total	**2.2889**	**8.4307**	**15.7974**	**0.0310**	**8.1298**	**1.2143**	**9.3442**	**4.4688**	**1.1172**	**5.5860**	**0.0000**	**3,003.9316**	**3,003.9316**	**0.9715**		**3,028.2199**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.3800e-003	0.1982	0.0418	5.2000e-004	0.0115	7.1000e-004	0.0122	3.1400e-003	6.8000e-004	3.8200e-003		56.1592	56.1592	3.5700e-003		56.2483
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1514**	**1.4760**	**1.0840**	**4.7400e-003**	**0.2431**	**8.4600e-003**	**0.2516**	**0.0661**	**8.0500e-003**	**0.0741**		**494.0309**	**494.0309**	**0.0276**		**494.7204**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6711	0.0000	6.6711	3.3855	0.0000	3.3855			0.0000			0.0000
Off-Road	3.6283	40.7566	25.7611	0.0507		1.8667	1.8667		1.7330	1.7330		4,892.9722	4,892.9722	1.4161		4,928.3739
Total	**3.6283**	**40.7566**	**25.7611**	**0.0507**	**6.6711**	**1.8667**	**8.5378**	**3.3855**	**1.7330**	**5.1185**		**4,892.9722**	**4,892.9722**	**1.4161**		**4,928.3739**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1486	0.0313	3.9000e-004	8.6300e-003	5.3000e-004	9.1600e-003	2.3600e-003	5.1000e-004	2.8700e-003		42.1194	42.1194	2.6800e-003		42.1862
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1501**	**1.4265**	**1.0736**	**4.6100e-003**	**0.2402**	**8.2800e-003**	**0.2485**	**0.0653**	**7.8800e-003**	**0.0732**		**479.9911**	**479.9911**	**0.0267**		**480.6583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0020	0.0000	3.0020	1.5235	0.0000	1.5235			0.0000			0.0000
Off-Road	3.6283	13.9904	25.7611	0.0507		1.8667	1.8667		1.7330	1.7330	0.0000	4,892.9722	4,892.9722	1.4161		4,928.3739
Total	**3.6283**	**13.9904**	**25.7611**	**0.0507**	**3.0020**	**1.8667**	**4.8687**	**1.5235**	**1.7330**	**3.2565**	**0.0000**	**4,892.9722**	**4,892.9722**	**1.4161**		**4,928.3739**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1486	0.0313	3.9000e-004	8.6300e-003	5.3000e-004	9.1600e-003	2.3600e-003	5.1000e-004	2.8700e-003		42.1194	42.1194	2.6800e-003		42.1862
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1501**	**1.4265**	**1.0736**	**4.6100e-003**	**0.2402**	**8.2800e-003**	**0.2485**	**0.0653**	**7.8800e-003**	**0.0732**		**479.9911**	**479.9911**	**0.0267**		**480.6583**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2596	22.4001	18.6992	0.0330		1.1486	1.1486		1.0909	1.0909		3,146.8449	3,146.8449	0.6586		3,163.3093
Total	**2.2596**	**22.4001**	**18.6992**	**0.0330**		**1.1486**	**1.1486**		**1.0909**	**1.0909**		**3,146.8449**	**3,146.8449**	**0.6586**		**3,163.3093**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0812	2.4024	0.6489	5.2700e-003	0.1346	0.0130	0.1476	0.0387	0.0124	0.0511		560.4932	560.4932	0.0363		561.3997
Worker	0.4217	0.3068	2.8713	6.3400e-003	0.6572	5.1100e-003	0.6623	0.1743	4.7200e-003	0.1790		630.5006	630.5006	0.0235		631.0888
Total	**0.5029**	**2.7091**	**3.5203**	**0.0116**	**0.7918**	**0.0181**	**0.8099**	**0.2130**	**0.0171**	**0.2301**		**1,190.9939**	**1,190.9939**	**0.0598**		**1,192.4885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2596	14.9438	18.6992	0.0330		1.1486	1.1486		1.0909	1.0909	0.0000	3,146.8449	3,146.8449	0.6586		3,163.3093
Total	**2.2596**	**14.9438**	**18.6992**	**0.0330**		**1.1486**	**1.1486**		**1.0909**	**1.0909**	**0.0000**	**3,146.8449**	**3,146.8449**	**0.6586**		**3,163.3093**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0812	2.4024	0.6489	5.2700e-003	0.1346	0.0130	0.1476	0.0387	0.0124	0.0511		560.4932	560.4932	0.0363		561.3997
Worker	0.4217	0.3068	2.8713	6.3400e-003	0.6572	5.1100e-003	0.6623	0.1743	4.7200e-003	0.1790		630.5006	630.5006	0.0235		631.0888
Total	**0.5029**	**2.7091**	**3.5203**	**0.0116**	**0.7918**	**0.0181**	**0.8099**	**0.2130**	**0.0171**	**0.2301**		**1,190.9939**	**1,190.9939**	**0.0598**		**1,192.4885**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1769	21.7491	18.6350	0.0327		1.1370	1.1370		1.0618	1.0618		3,154.0475	3,154.0475	0.8537		3,175.3891
Total	**2.1769**	**21.7491**	**18.6350**	**0.0327**		**1.1370**	**1.1370**		**1.0618**	**1.0618**		**3,154.0475**	**3,154.0475**	**0.8537**		**3,175.3891**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0425	8.9500e-003	1.1000e-004	2.4700e-003	1.5000e-004	2.6200e-003	6.7000e-004	1.5000e-004	8.2000e-004		12.0341	12.0341	7.6000e-004		12.0532
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1581	0.1150	1.0768	2.3800e-003	0.2464	1.9200e-003	0.2484	0.0654	1.7700e-003	0.0671		236.4377	236.4377	8.8200e-003		236.6583
Total	**0.1999**	**1.3587**	**1.4102**	**5.1200e-003**	**0.3162**	**8.5400e-003**	**0.3248**	**0.0854**	**8.1100e-003**	**0.0935**		**528.7185**	**528.7185**	**0.0277**		**529.4114**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1769	8.3039	18.6350	0.0327		1.1370	1.1370		1.0618	1.0618	0.0000	3,154.0475	3,154.0475	0.8537		3,175.3891
Total	**2.1769**	**8.3039**	**18.6350**	**0.0327**		**1.1370**	**1.1370**		**1.0618**	**1.0618**	**0.0000**	**3,154.0475**	**3,154.0475**	**0.8537**		**3,175.3891**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1500e-003	0.0425	8.9500e-003	1.1000e-004	2.4700e-003	1.5000e-004	2.6200e-003	6.7000e-004	1.5000e-004	8.2000e-004		12.0341	12.0341	7.6000e-004		12.0532
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.1581	0.1150	1.0768	2.3800e-003	0.2464	1.9200e-003	0.2484	0.0654	1.7700e-003	0.0671		236.4377	236.4377	8.8200e-003		236.6583
Total	**0.1999**	**1.3587**	**1.4102**	**5.1200e-003**	**0.3162**	**8.5400e-003**	**0.3248**	**0.0854**	**8.1100e-003**	**0.0935**		**528.7185**	**528.7185**	**0.0277**		**529.4114**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2124	12.5232	11.6586	0.0181		0.6626	0.6626		0.6104	0.6104		1,737.1502	1,737.1502	0.5543		1,751.0067
Paving	0.9222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1346**	**12.5232**	**11.6586**	**0.0181**		**0.6626**	**0.6626**		**0.6104**	**0.6104**		**1,737.1502**	**1,737.1502**	**0.5543**		**1,751.0067**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0108	0.3963	0.0835	1.0400e-003	0.0230	1.4200e-003	0.0244	6.2800e-003	1.3600e-003	7.6400e-003		112.3183	112.3183	7.1300e-003		112.4967
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.2109	0.1534	1.4357	3.1700e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		315.2503	315.2503	0.0118		315.5444
Total	**0.2622**	**1.7509**	**1.8436**	**6.8400e-003**	**0.4189**	**0.0105**	**0.4294**	**0.1128**	**9.9100e-003**	**0.1227**		**707.8152**	**707.8152**	**0.0370**		**708.7409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2124	7.0328	11.6586	0.0181		0.6626	0.6626		0.6104	0.6104	0.0000	1,737.1502	1,737.1502	0.5543		1,751.0066
Paving	0.9222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1346**	**7.0328**	**11.6586**	**0.0181**		**0.6626**	**0.6626**		**0.6104**	**0.6104**	**0.0000**	**1,737.1502**	**1,737.1502**	**0.5543**		**1,751.0066**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0108	0.3963	0.0835	1.0400e-003	0.0230	1.4200e-003	0.0244	6.2800e-003	1.3600e-003	7.6400e-003		112.3183	112.3183	7.1300e-003		112.4967
Vendor	0.0406	1.2012	0.3245	2.6300e-003	0.0673	6.4700e-003	0.0738	0.0194	6.1900e-003	0.0255		280.2466	280.2466	0.0181		280.6998
Worker	0.2109	0.1534	1.4357	3.1700e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		315.2503	315.2503	0.0118		315.5444
Total	**0.2622**	**1.7509**	**1.8436**	**6.8400e-003**	**0.4189**	**0.0105**	**0.4294**	**0.1128**	**9.9100e-003**	**0.1227**		**707.8152**	**707.8152**	**0.0370**		**708.7409**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.8464					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0118	10.6486	11.1104	0.0178		0.5156	0.5156		0.4901	0.4901		1,709.6982	1,709.6982	0.3865		1,719.3615
Total	**76.8582**	**10.6486**	**11.1104**	**0.0178**		**0.5156**	**0.5156**		**0.4901**	**0.4901**		**1,709.6982**	**1,709.6982**	**0.3865**		**1,719.3615**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0812	2.4024	0.6489	5.2700e-003	0.1346	0.0130	0.1476	0.0387	0.0124	0.0511		560.4932	560.4932	0.0363		561.3997
Worker	0.2109	0.1534	1.4357	3.1700e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		315.2503	315.2503	0.0118		315.5444
Total	**0.2920**	**2.5557**	**2.0846**	**8.4400e-003**	**0.4632**	**0.0155**	**0.4787**	**0.1259**	**0.0147**	**0.1406**		**875.7435**	**875.7435**	**0.0480**		**876.9441**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	75.8464					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0118	3.4786	11.1104	0.0178		0.5156	0.5156		0.4901	0.4901	0.0000	1,709.6982	1,709.6982	0.3865		1,719.3615
Total	**76.8582**	**3.4786**	**11.1104**	**0.0178**		**0.5156**	**0.5156**		**0.4901**	**0.4901**	**0.0000**	**1,709.6982**	**1,709.6982**	**0.3865**		**1,719.3615**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0812	2.4024	0.6489	5.2700e-003	0.1346	0.0130	0.1476	0.0387	0.0124	0.0511		560.4932	560.4932	0.0363		561.3997
Worker	0.2109	0.1534	1.4357	3.1700e-003	0.3286	2.5600e-003	0.3312	0.0872	2.3600e-003	0.0895		315.2503	315.2503	0.0118		315.5444
Total	**0.2920**	**2.5557**	**2.0846**	**8.4400e-003**	**0.4632**	**0.0155**	**0.4787**	**0.1259**	**0.0147**	**0.1406**		**875.7435**	**875.7435**	**0.0480**		**876.9441**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6017	8.6672	20.2479	0.0592	4.9742	0.0621	5.0363	1.3335	0.0583	1.3918		5,987.0272	5,987.0272	0.2626		5,993.5913
Unmitigated	1.6017	8.6672	20.2479	0.0592	4.9742	0.0621	5.0363	1.3335	0.0583	1.3918		5,987.0272	5,987.0272	0.2626		5,993.5913

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	799.08	151.52	77.56	1,761,925	1,761,925
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	799.08	151.52	77.56	1,761,925	1,761,925

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Other Non-Asphalt Surfaces	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112
Parking Lot	0.578299	0.039453	0.169996	0.109068	0.028307	0.006716	0.029274	0.026666	0.003071	0.001838	0.005325	0.000874	0.001112

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
NaturalGas Unmitigated	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	13036.8	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1406**	**1.2781**	**1.0736**	**7.6700e-003**		**0.0971**	**0.0971**		**0.0971**	**0.0971**		**1,533.7387**	**1,533.7387**	**0.0294**	**0.0281**	**1,542.8530**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	13.0368	0.1406	1.2781	1.0736	7.6700e-003		0.0971	0.0971		0.0971	0.0971		1,533.7387	1,533.7387	0.0294	0.0281	1,542.8530
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1406**	**1.2781**	**1.0736**	**7.6700e-003**		**0.0971**	**0.0971**		**0.0971**	**0.0971**		**1,533.7387**	**1,533.7387**	**0.0294**	**0.0281**	**1,542.8530**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Unmitigated	4.2975	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5200e-003	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Total	**4.2975**	**4.4000e-004**	**0.0484**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1032**	**0.1032**	**2.7000e-004**		**0.1101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9468					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5200e-003	4.4000e-004	0.0484	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.1032	0.1032	2.7000e-004		0.1101
Total	**4.2975**	**4.4000e-004**	**0.0484**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**		**0.1032**	**0.1032**	**2.7000e-004**		**0.1101**

Appendix B

Biological Assessment

BIOLOGICAL ASSESSMENT

DOWDELL AVENUE AND BUSINESS PARK DRIVE ROHNERT PARK, CA

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1 SUMMARY

This Biological Assessment presents the findings of surveys and habitat assessments for special status species and sensitive natural communities for the site located at Dowdell Avenue and Business Park Drive in Rohnert Park, CA (referred to as the "site") (Figure 1). The Assessor Parcel Number is 143-040-134. The site totals 10.3-acres in size.

Habitat types at the site consist of non-native annual grassland habitat and seasonal wetland habitat. A row of planted sycamore trees occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees occur right on the western property boundary. The site has a history of agricultural practices, including annual plowing and mowing, which has resulted in a dominance of non-native plant species.

A wetland delineation was performed at the site in 2013 by Northfork Associates. A total of 0.005-acres (201-square feet) of seasonal wetlands were delineated at the site. The United States Army Corps of Engineers (USACE) confirmed the extent of seasonal wetlands at the site (Appendix D). The 0.005-acres of seasonal wetland habitat would be considered suitable habitat for three federally endangered plant species that are known to occur in vernal pool habitat on the Santa Rosa Plain (USFWS 2007). The seasonal wetlands are subject to Section 404 of the Clean Water Act and Section 401 of the Clean Water Act and regulated by the North Coast Regional Water Quality Control Board (NCRWQCB).

Special-status plant species surveys were conducted in 20017 by Wiemeyer Ecological Sciences. No special-status plant species were observed. A second consecutive season of special-status plant species surveys will be conducted in 2018.

The site is within the potential range of the California tiger salamander (*Ambystoma californiense*) (CTS) as mapped by the United States Fish and Wildlife Service (USFWS) according to the Santa Rosa Plain Conservation Strategy (SRPCS) (SRPCST, 2005). The site is within listed critical habitat for California tiger salamander (Federal Register, 2011). The site is designated as "Future Development" according to Figure 3 of the SRPCS (SRPCST, 2005). In addition, the site is designated as "May adversely affect listed plants and would likely adversely affect CTS", according to Enclosure 1 of the Programmatic Biological Opinion for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California, dated November 9, 2007 (USFWS, 2007). According to these two documents, mitigation for potential impacts to California tiger salamander habitat will be required.

The proposed development project will impact the entire site and result in the loss of 0.005-acres of seasonal wetland habitat and a total of 10.3-acres of suitable upland aestivation habitat for California tiger salamander.

A discussion of potential impacts to biological resources is included in Section 9 of this report. A detailed identification and description of recommended mitigation measures to reduce potential impacts to a less than significant level is included in Section 10 of this report.

2 SITE DESCRIPTION

The site is located at Dowdell Avenue and Business Park Drive in Rohnert Park, CA (referred to as the "site") (Figure 1). The Assessor Parcel Number is 143-040-134. The site totals 10.3-acres in size. The site is located within the City of Rohnert Park. There are no structures on the site. The site has a history of agricultural practices, primarily dry farming, which consisted of annual plowing and mowing which as resulted in an abundance of non-native species. Photographs of the site are included in the Figures section at the end of the report.

2.1 TOPOGRAPHY

The site is mostly flat with a slight slope to the northwest. Along the entire northern site boundary is mounded approximately 5 feet in height with planted sycamore trees. Elevations range from 89 to 97 feet above sea level (Figure 2).

2.2 SURROUNDING LANDS

To the north of the site is primarily agricultural land with the Graton Rancheria Casino to the northwest. To the east of the site is open space with the Press Democrat facility just beyond the open space parcel. To the south of the site are several residential apartments and condominiums. To the west of the site are industrial/commercial parcels with agricultural lands beyond these parcels.

2.3 HYDROLOGY

It does not appear that any off-site surface water runoff flows onto the site because of adjacent site developments and the construction of Dowdell Avenue along the eastern site boundary. Surface water run-off flows in a northerly direction where surface water flows into a culvert at the northwest corner of the site or into a culvert along the northern site boundary.

Surface water then daylights into the Labath Flood Control Channel near the southwest corner of the Graton Rancheria Casino, where it flows southwest into the the Laguna de Santa Rosa, then into the Russian River and eventually the Pacific Ocean (Figure 2).

2.4 SOIL TYPES

The soil type mapped at the site consists of Clear Lake clay, sandy substratum, drained, 0 to 2 percent slopes (CeA) (Miller, 1972) (Figure 3).

2.5 HABITATS

Habitat types at the site consist of non-native annual grassland habitat and seasonal wetland habitat. A row of planted sycamore trees (*Platanus racemosa*) occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees (*Sequoia sempervirens)* occur right on the western property boundary. The site has a history of agricultural practices, including annual plowing and mowing, which has resulted in a dominance of non-native plant species.

3 PROJECT DESCRIPTION

The proposed project is to construct two tilt-up industrial buildings, each one being 92,798 square feet in size. The total project will be 185,595 square feet of building space. The site will include dock space on the interior of the site with auto parking around the perimeter of the site. The entire site is proposed to be developed, but no trees are proposed to be removed. The Site Plan is included in the Figures section of this report.

4 REGULATORY CONTEXT

4.1 UNITED STATES FISH AND WILDLIFE SERVICE

The United States Fish and Wildlife Service (USFWS) administers the federal Endangered Species Act (ESA). Listed threatened and endangered species are protected from take, defined as direct or indirect harm, unless a Section 10 permit is granted to an entity other than a federal agency or a Biological Opinion with incidental take provisions is rendered to a federal lead agency via ESA Section 7 consultation. Pursuant to the requirements of ESA, an agency reviewing a proposed project within its jurisdiction must determine whether any federally listed species may be present in the study area and determine whether the proposed federal action will jeopardize the continued existence of the species.

Under ESA, habitat loss is considered to be an adverse effect to a species. In addition, the action agency is required to determine whether its action is likely to jeopardize the continued existence of any species that is proposed for listing under ESA or to result in the destruction or adverse modification of critical habitat proposed to be designated for such species. The USFWS also administers the federal Migratory Bird Treaty Act of 1918. Under this legislation, it is unlawful to destroy active nests, eggs, and young.

4.2 UNITED STATES ARMY CORPS OF ENGINEERS

The United States Army Corps of Engineers (USACE) administers the federal Clean Water Act (CWA). Section 404 of the CWA requires approval prior to discharging dredged or fill material into the waters of the United States. Waters of the United States includes essentially all surface waters such as all navigable waters and their tributaries, all interstate waters and their tributaries, all wetlands adjacent to these waters, and all impoundments of these waters. "Wetlands" are areas characterized by growth of wetland vegetation where the soil is saturated during a portion of the growing season or the surface is flooded during some part of most years. Wetlands generally include seasonally inundated wetlands, swamps, marshes, bogs and similar areas.

4.3 CALIFORNIA DEPARTMENT OF FISH AND GAME

The California Department of Fish and Wildlife (CDFW) administers the California Endangered Species Act (CESA). It is state policy to conserve, protect, restore and enhance any endangered or threatened species and its habitat. The CDFW has jurisdiction over species that are formally listed as threatened or endangered under the CESA. The CESA provides broad protection for species of fish, wildlife and plants that are listed as threatened or endangered in the state. In addition to CESA, the California Native Plant Protection Act (NPPA) provides protection to endangered and rare plant species. The CDFW also maintains a list of species of special concern to be considered during CEQA review.

Pursuant to the requirements of CESA, a state or local agency reviewing a proposed project within its jurisdiction must determine whether any state-listed species may be present in the project area and determine whether the proposed project will have a potentially significant impact upon such species. If significant impacts to state listed species are identified, the state lead agency must adopt reasonable and prudent alternatives as specified by CDFW to prevent or mitigate for impacts. CDFW can authorize take of a state-listed species if an incidental take permit is issued by the Secretary of the Interior or Commerce in compliance with the federal ESA, or if the director of CDFW issues a permit under Section 2080 in those cases where it is demonstrated that the impacts are minimized and mitigated.

CDFW also administers the California Fish and Wildlife Code. California Fish and Wildlife Code Section 3503.5 makes it unlawful to take, possess or destroy birds in the Falconiformes (birds of prey, vultures, eagles, falcons) and Strigiformes (owls) families, which can include nest disturbance from construction and other activities.

4.4 STATE WATER RESOURCES CONTROL BOARD

The State Water Resources Control Board (SWRCB) administers the state CWA. Under Section 401 of the CWA, projects that apply for a USACE permit for discharge of dredge or fill material, and projects that qualify for a Nationwide Permit, must obtain water quality certification from the RWQCB that the project will uphold state water quality standards. The SWRCB also administers the National Pollutant Discharge Elimination System (NPDES) which includes the General Permit for Storm Water Discharges from Construction Activities.

4.5 CALIFORNIA NATIVE PLANT SOCIETY

The California Native Plant Society (CNPS) is a non-profit group dedicated to preserving the state's native flora. It has developed lists of plants of special concern in California (Skinner and Pavlik 1994). In the spring of 2011, CNPS officially changed the name "CNPS List" to "California Rare Plant Rank" (CRPR). The definitions of the ranks and the ranking system have not changed, and the ranks are still used to categorize the same degrees of concern, which are described as follows:

CRPR 1A: The plants with a California Rare Plant Rank of 1A are presumed extinct because they have not been seen or collected in the wild in California for many years. This rank includes plants that are both presumed extinct as well as those plants which are presumed extirpated in California. A plant is extinct if it no longer occurs anywhere. A plant that is extirpated from California has been eliminated from California, but may still occur elsewhere in its range. All of the plants constituting California Rare Plant Rank 1A meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. Should these taxa be rediscovered, it is mandatory that they be fully considered during preparation of environmental documents relating to the California Environmental Quality Act (CEQA).

CRPR 1B: Plants with a California Rare Plant Rank of 1B are rare throughout their range with the majority of them endemic to California. Most of the plants that are ranked 1B have declined significantly over the last century. California Rare Plant Rank 1B plants constitute the majority of taxa in the CNPS *Inventory*, with more than 1,000 plants assigned to this category of rarity. All of the plants constituting California Rare Plant Rank 1B meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.

CRPR 2: Except for being common beyond the boundaries of California, plants with a California Rare Plant Rank of 2 would have been ranked 1B. From the federal perspective, plants common in other states or countries are not eligible for consideration under the provisions of the Endangered Species Act. Until 1979, a similar policy was followed in California. However, after the passage of the Native Plant Protection Act in 1979, plants were considered for protection without regard to their distribution outside the state. With California Rare Plant Rank 2, we recognize the importance of protecting the geographic range of widespread species. In this way we protect the diversity of our own state's flora and help maintain evolutionary processes and genetic diversity within species. All of the plants constituting California Rare Plant Rank 2 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.

CRPR 3: The plants that comprise California Rare Plant Rank 3 are united by one common theme - we lack the necessary information to assign them to one of the other ranks or to reject them. Nearly all of the plants constituting California Rare Plant Rank 3 are taxonomically problematic. For each California Rare Plant Rank 3 plant we have provided the known information and indicated in the "Notes" section of the CNPS *Inventory* record where assistance is needed. Data regarding distribution, endangerment, ecology, and taxonomic validity are welcomed and can be submitted by emailing the Rare Plant Botanist at asims cnps.org or (916) 324-3816. Some of the plants constituting California Rare Plant Rank 3 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible

for state listing. We strongly recommend that California Rare Plant Rank 3 plants be evaluated for consideration during preparation of environmental documents relating to CEQA.

CRPR 4: The plants in this category are of limited distribution or infrequent throughout a broader area in California. While we cannot call these plants "rare" from a statewide perspective, they are uncommon enough that their status should be monitored regularly. Should the degree of endangerment or rarity of a California Rare Plant Rank 4 plant change, we will transfer it to a more appropriate rank. Very few of the plants constituting California Rare Plant Rank 4 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and few, if any, are eligible for state listing. Nevertheless, many of them are significant locally, and we strongly recommend that California Rare Plant Rank 4 plants be evaluated for consideration during preparation of environmental documents relating to CEQA.

5 LITERATURE REVIEW

The CDFW California Natural Diversity Data Base (CNDDB, June 2017) was queried for a list of all plant and animal species reported from the *Cotati, Santa Rosa, Kenwood, Glen Ellen, Petaluma River, Petaluma, Point Reyes NE, Two Rock, Sebastopol* USGS 7.5-minute quadrangles (nine quad search). The Electronic Inventory of Rare and Endangered Vascular Plants of California (CNPS, June 2017) was queried for a list of all plant species reported from the *Cotati, Santa Rosa, Kenwood, Glen Ellen, Petaluma River, Petaluma, Point Reyes NE, Two Rock, Sebastopol* USGS 7.5-minute quadrangles.

The following table (Table 1) is a list of special-status plant species that have the potential to occur at the site, based on the general habitat type(s) that each species is known to occur in and not based on species known proximity to the site or an evaluation of habitat quality. A full list of special-status plant species compiled is provided in Appendix A.

Table 1: Special-Status Plant Species with the Potential to Occur in the Study Area.

Scientific Name	Common Name	Plant Rank	California List	Federal List	Habitat
Allium peninsulare var. franciscanum	Franciscan onion	1B.2	None	None	Cismontane woodland, Valley and foothill grassland
Amsinckia lunaris	bent-flowered fiddleneck	1B.2	None	None	Coastal bluff scrub, Cismontane woodland, Valley and foothill grassland
Astragalus claranus	Clara Hunt's milk-vetch	1B.1	Threatened	Endangered	Chaparral (openings), Cismontane woodland, Valley and foothill grassland
Astragalus tener var. tener	alkali milk-vetch	1B.2	None	None	Playas, Valley and foothill grassland (adobe clay), Vernal pools
Balsamorhiza macrolepis	big-scale balsamroot	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Blennosperma bakeri	Sonoma sunshine	1B.1	Endangered	Endangered	Valley and foothill grassland (mesic), Vernal pools
Brodiaea leptandra	narrow-anthered brodiaea	1B.2	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland

Scientific Name	Common Name	Plant Rank	California List	Federal List	Habitat
Calamagrostis ophitidis	serpentine reed grass	4.3	None	None	Chaparral (open, often north-facing slopes), Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland
California macrophylla	round-leaved filaree	1B.2	None	None	Cismontane woodland, Valley and foothill grassland
Calochortus umbellatus	Oakland star-tulip	4.2	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland
Castilleja ambigua var. ambigua	johnny-nip	4.2	None	None	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools margins
Centromadia parryi ssp. parryi	pappose tarplant	1B.2	None	None	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps (coastal salt), Valley and foothill grassland (vernally mesic)
Clarkia imbricata	Vine Hill clarkia	1B.1	Endangered	Endangered	Chaparral, Valley and foothill grassland
Delphinium bakeri	Baker's larkspur	1B.1	Endangered	Endangered	Broadleafed upland forest, Coastal scrub, Valley and foothill grassland
Downingia pusilla	dwarf downingia	2B.2	None	None	Valley and foothill grassland (mesic), Vernal pools
Eriogonum luteolum var. caninum	Tiburon buckwheat	1B.2	None	None	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland
Fritillaria liliacea	fragrant fritillary	1B.2	None	None	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland
Gilia capitata ssp. tomentosa	woolly-headed gilia	1B.1	None	None	Coastal bluff scrub, Valley and foothill grassland
Hemizonia congesta ssp. congesta	congested-headed hayfield tarplant	1B.2	None	None	Valley and foothill grassland
Hesperolinon congestum	Marin western flax	1B.1	Threatened	Threatened	Chaparral, Valley and foothill grassland
Horkelia tenuiloba	thin-lobed horkelia	1B.2	None	None	Broadleafed upland forest, Chaparral, Valley and foothill grassland
Hosackia gracilis	harlequin lotus	4.2	None	None	Broadleafed upland forest, Coastal bluff scrub, Closed-cone coniferous forest, Cismontane woodland, Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Valley and foothill grassland
Lasthenia conjugens	Contra Costa goldfields	1B.1	None	Endangered	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools
Layia septentrionalis	Colusa layia	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Leptosiphon acicularis	bristly leptosiphon	4.2	None	None	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland
Leptosiphon jepsonii	Jepson's leptosiphon	1B.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Lessingia hololeuca	woolly-headed lessingia	3	None	None	Broadleafed upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland
Limnanthes vinculans	Sebastopol meadowfoam	1B.1	Endangered	Endangered	Meadows and seeps, Valley and foothill grassland, Vernal pools
Micropus amphibolus	Mt. Diablo cottonweed	3.2	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland

Scientific Name	Common Name	Plant Rank	California List	Federal List	Habitat
Microseris paludosa	marsh microseris	1B.2	None	None	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland
Navarretia cotulifolia	cotula navarretia	4.2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Navarretia heterandra	Tehama navarretia	4.3	None	None	Valley and foothill grassland (mesic), Vernal pools
Navarretia leucocephala ssp. bakeri	Baker's navarretia	1B.1	None	None	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools
Perideridia gairdneri ssp. gairdneri	Gairdner's yampah	4.2	None	None	Broadleafed upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools
Plagiobothrys mollis var. vestitus	Petaluma popcornflower	1A	None	None	Marshes and swamps (coastal salt), Valley and foothill grassland (mesic)
Ranunculus lobbii	Lobb's aquatic buttercup	4.2	None	None	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools
Trifolium amoenum	two-fork clover	1B.1	None	Endangered	Coastal bluff scrub, Valley and foothill grassland (sometimes serpentinite)
Trifolium hydrophilum	saline clover	1B.2	None	None	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools
Triphysaria floribunda	San Francisco owl's-clover	1B.2	None	None	Coastal prairie, Coastal scrub, Valley and foothill grassland

The following table (Table 2) is a list of special-status animal species that have the potential to occur at the site based on the general habitat type(s) that each species is known to occur in and not based on species known proximity to the site or an evaluation of habitat quality. A full list of special-animal species is provided in Appendix B.

Table 2: Special-Status Animal Species with the Potential to Occur in or Adjacent to the Study Area.

Scientific Name	Common Name	Federal List	California List	Dept. Fish and Wildlife Rank	Habitat
Agelaius tricolor	tricolored blackbird	None	Candidate Endangered	Special Concern	Freshwater marsh | Marsh & swamp | Swamp | Wetland
Ambystoma californiense	California tiger salamander	Threatened	Threatened	Watch List	Cismontane woodland | Meadow & seep | Riparian woodland | Valley & foothill grassland | Vernal pool | Wetland
Ammodramus savannarum	grasshopper sparrow	None	None	Special Concern	Valley & foothill grassland
Andrena blennospermatis	Blennosperma vernal pool andrenid bee	None	None	None	Vernal pool
Antrozous pallidus	pallid bat	None	None	Special Concern	Chaparral | Coastal scrub | Desert wash | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Riparian woodland | Sonoran desert scrub | Upper montane coniferous forest | Valley & foothill grassland

Scientific Name	Common Name	Federal List	California List	Dept. Fish and Wildlife Rank	Habitat
Aquila chrysaetos	golden eagle	None	None	Fully Protected/ Watch List	Broadleaved upland forest | Cismontane woodland | Coastal prairie | Great Basin grassland | Great Basin scrub | Lower montane coniferous forest | Pinon & juniper woodlands | Upper montane coniferous forest | Valley & foothill grassland
Athene cunicularia	burrowing owl	None	None	Special Concern	Coastal prairie | Coastal scrub | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Sonoran desert scrub | Valley & foothill grassland
Buteo regalis	ferruginous hawk	None	None	Watch List	Great Basin grassland | Great Basin scrub | Pinon & juniper woodlands | Valley & foothill grassland
Buteo swainsoni	Swainson's hawk	None	Threatened	None	Great Basin grassland | Riparian forest | Riparian woodland | Valley & foothill grassland
Corynorhinus townsendii	Townsend's big-eared bat	None	None	Special Concern	Broadleaved upland forest | Chaparral | Chenopod scrub | Great Basin grassland | Great Basin scrub | Joshua tree woodland | Lower montane coniferous forest | Meadow & seep | Mojavean desert scrub | Riparian forest | Riparian woodland | Sonoran desert scrub | Sonoran thorn woodland | Upper montane coniferous forest | Valley & foothill grassland
Elanus leucurus	white-tailed kite	None	None	Fully Protected	Cismontane woodland | Marsh & swamp | Riparian woodland | Valley & foothill grassland | Wetland
Lasiurus blossevillii	western red bat	None	None	Special Concern	Cismontane woodland | Lower montane coniferous forest | Riparian forest | Riparian woodland
Lasiurus cinereus	hoary bat	None	None	None	Broadleaved upland forest | Cismontane woodland | Lower montane coniferous forest | North coast coniferous forest
Linderiella occidentalis	California linderiella	None	None	None	Vernal pool
Myotis thysanodes	fringed myotis	None	None	None	pinyon-juniper, valley foothill hardwood & hardwood-conifer. Uses caves, mines, buildings or crevices for maternity colonies and roosts.
Myotis volans	long-legged myotis	None	None	None	Upper montane coniferous forest
Myotis yumanensis	Yuma myotis	None	None	None	Lower montane coniferous forest | Riparian forest | Riparian woodland | Upper montane coniferous forest
Taxidea taxus	American badger	None	None	Special Concern	Many habitat types listed in CNDDB – only including region habitat types. Broadleaved upland forest | Chaparral | Cismontane woodland | Closed-cone coniferous forest | Freshwater marsh | Lower montane coniferous forest | Marsh & swamp | Meadow & seep | North coast coniferous forest | Riparian forest | Riparian scrub | Riparian woodland | Ultramafic | Upper montane coniferous forest | Valley & foothill grassland

6 STUDY METHODS

6.1 VEGETATION AND SPECIAL-STATUS PLANT SPECIES SURVEYS

On April 5, April 9 and May 24, 2017, Darren Wiemeyer conducted site visits to map habitats, to perform special-status species plant surveys, to prepare a plant inventory and to assess habitat suitability for special-status plant species that have the potential to utilize habitats a the site. Special-status plant species surveys were performed in accordance with state and federal plant survey protocols (CDFG 2000; USFWS 1996a; USFWS 1996b).

The surveys were conducted at the time of year when rare or endangered species are both "evident" and identifiable, i.e. they were scheduled (1) to coincide with known flowering periods, and/or (2) during periods of phenological development that are necessary to identify special status plant species. A meandering pattern was walked through each habitat to ensure that all areas were viewed.

Federally listed plant species reference site surveys were performed at several locations in the Santa Rosa Plain in 2017. Table 3 lists the dates, reference sites and phenology.

6.2 WILDLIFE AND SPECIAL-STATUS ANIMAL SPECIES ASSESSMENTS AND SURVEYS

On April 5, April 9 and May 24, 2017, Darren Wiemeyer conducted site visits to perform a wildlife inventory and assess habitat suitability for special-status animal species that have the potential to utilize habitats a the site. Searches were conducted to determine if habitats supported special-status animal species.

6.2.1 Birds

The site was searched for the presence of burrows which could be used by burrowing owl (*Athena cunicularia*) and habitats were evaluated for the suitability for all special-status bird species identified in Table 2.

A focused day survey for actively nesting birds was performed at the site. The survey consisted of surveying for any ground nesting birds and the trees along Business Park Drive and the trees off-site along the western site boundary were surveyed for the presence of actively nesting birds. The trees were surveyed for the presence of rookeries, nests or cavities that could be used by birds, including birds of prey. Many viewing vantage points were utilized to ensure complete survey coverage of the entire site.

Binoculars were used to search in trees and other suitable nesting structures. If a bird was seen, its behavior was observed to determine if it was actively nesting in the area. Common nesting behavior by birds include collecting nesting materials, bringing food items to a nest and vocalizations to attract a mate and to establish or defend a nesting territory.

6.2.2 Mammals

The site was searched for the presence of large burrows which could be used by American badger (*Taxidea taxus*).

6.2.2.1 Bats

A bat habitat assessment was performed at the site. The habitats, primarily in the form of trees, were assessed to determine if suitable special-status bat nesting or roosting structures were exhibited in the trees. Suitable roosting and nesting structures are typically tree cavities, fissures and exfoliating bark.

6.2.3 Amphibians

A California Tiger Salamander Site Assessment was performed in accordance with the Interim Guidance on Conducting Site Assessments and Field Surveys for Determining Presence or A Negative Finding of the California Tiger Salamander (USFWS 2003).

6.2.4 Invertebrates

The seasonal wetland habitat at the site was assessed for its habitat suitability for California linderiella (*Linderiella occidentalis*).

6.2.5 Insects

A habitat assessment for Blennosperma vernal pool andrenid bee (*Andrena blennospermatis*) was performed at the site.

6.3 WETLAND DETERMINATION

Northfork Associates performed a jurisdictional wetland delineation at the site in 2013. A total of 0.005-acres (201-square feet) of seasonal wetlands were delineated at the site. The United States Army Corps of Engineers (USACE) confirmed the extent of seasonal wetlands at the site (Appendix D).

7 RESULTS

7.1 PLANT COMMUNITIES & HABITATS

Habitat types at the site consist of non-native annual grassland habitat and seasonal wetland habitat (Figure 4). A row of planted sycamore trees occur along the northern site boundary adjacent to Business Park Drive and a row of coast redwood trees occur right on the western property boundary. The site has a history of agricultural practices, including annual plowing and mowing, which has resulted in a dominance of non-native plant species.

7.1.1 Non-Native Annual Grassland

Non-native annual grassland is the dominant plant community at the site (Figure 4). This vegetation type is dominated by non-native annual grasses and forbs that have replaced native grassland habitat as a result of human disturbance, primarily from years of livestock grazing and agricultural practices.

Dominant plant species in the non-native annual grassland community include Italian ryegrass (*Festuca perennis*), Harding grass (*Phalaris aquatica*), wild oat (*Avena fatua*), rip-gut brome (*Bromus diandrus*), field mustard (*Brassica rapa*), spring vetch (*Vicia sativa*), hairy cat's ear (*Hypochoeris radicata*), red-stemmed filaree (*Erodium cicutarium*), bristly ox tongue (*Helminthotheca echioides*) and cut-leaf geranium (*Geranium dissectum*).

7.1.2 Seasonal Wetland

A total of 0.005-acres (201-square feet) of seasonal wetland habitat occurs at the site. The seasonal wetland is located at the southern site boundary (Figure 4). Dominant plant species in the seasonal wetland include Italian ryegrass, Harding grass, Mediterranean barley (*Hordeum marinum* ssp. *gussoneum*) and bristly ox tongue.

The seasonal wetland is shallow with a short hydro-period. The seasonal wetland lacks the native vernal pool species that typically occur in high quality seasonal wetlands. The seasonal wetland has been degraded as a result of past agricultural land uses and surrounding site developments. Nevertheless, the seasonal wetlands would be considered suitable habitat for three federally endangered plant species that are known to occur in vernal pool habitat on the Santa Rosa Plain (USFWS 2007).

7.2 SPECIAL-STATUS PLANTS

No special-status plant species were observed during protocol-level special-status plant species surveys in 2017. Past agricultural land uses has greatly diminished the likelihood that special-status plant species occur at the site. Nevertheless, the seasonal wetland would be considered suitable habitat for three federally endangered plant species that are known to occur in vernal pool habitat on the Santa Rosa Plain (USFWS 2007). The three federally endangered plant species include Burke's goldfields (*Lasthenia burkei*), Sonoma sunshine (*Blennosperma bakeri*) and Sebastopol meadowfoam (*Limnanthes vinculans*).

Federally listed plant species reference site surveys were performed at several locations in the Santa Rosa Plain in 2017. Table 3 documents the reference site locations, dates and phenological development of federally listed plant species.

Table 3. Federally Listed Plant Species Reference Site Survey Documentation.

SPECIES	SURVEY DATE	REFERENCE SITE	PHENOLOGY – Percent: vegetative (v); blooming (b); seed set (ss)
Blennosperma bakeri	March 10, 2017	Alton Preserve, Santa Rosa	v: 100%; b: 0%; ss: 0%
	April 6, 2017	Alton Preserve, Santa Rosa	v: 80%; b: 20%; ss: 0%
	April 14, 2017	Gabney, Scenic Ave., Rohnert Park	v: 20%; b: 60%; ss: 20%
	April 29, 2017	Alton Preserve, Santa Rosa	v: 0%; b: 20%; ss: 80%
	May 8, 2017	Alton Preserve, Santa Rosa	v: 0%; b: 10%; ss: 90%
	May 18, 2017	Gabney, Scenic Ave., Rohnert Park	v: 0%; b: 40%; ss: 60%
	June 12, 2017	Alton Preserve, Santa Rosa	v: 0%; b: 0%; ss: 100%
Lasthenia bakeri	March 10, 2017	Alton Preserve, Santa Rosa	v: 80%; b: 20%; ss: 0%

SPECIES	SURVEY DATE	REFERENCE SITE	PHENOLOGY – Percent: vegetative (v); blooming (b); seed set (ss)
Lasthenia bakeri	April 6, 2017	Alton Preserve, Santa Rosa	v: 60%; b: 40%; ss: 0%
	April 14, 2017	Piner and Bay Meadow, Santa Rosa	v: 80%; b: 20%; ss: 0%
	April 29, 2017	Piner and Bay Meadow, Santa Rosa	v: 40%; b: 50%; ss: 10%
	April 29, 2017	Alton Preserve, Santa Rosa	v: 20%; b: 80%; ss: 0%
	May 8, 2017	Alton Preserve, Santa Rosa	v: 10%; b: 60%; ss: 20%
	May 27, 2017	Piner and Bay Meadow, Santa Rosa	v: 0%; b: 20%; ss: 80%
	June 12, 2017	Alton Preserve, Santa Rosa	v: 0%; b: 0%; ss: 100%
	June 14, 2017	Piner and Bay Meadow, Santa Rosa	v: 0%; b: 0%; ss: 100%
Limnanthes vinculans	March 10, 2017	Alton Preserve, Santa Rosa	v: 100%; b: 0%; ss: 0%
	April 6, 2017	Alton Preserve, Santa Rosa	v: 40%; b: 60%; ss: 0%
	May 8, 2017	Alton Preserve, Santa Rosa	v: 10%; b: 70%; ss: 20%
	June 12, 2017	Alton Preserve, Santa Rosa	v: 0%; b: 0%; ss: 100%

7.3 WILDLIFE

The site provides limited habitat value for wildlife species, primarily because of the history of agricultural use and surrounding site developments and land uses. The grassland habitat provides marginally adequate habitat for foraging for native birds and birds of prey, for small to medium sized mammals such as raccoon, striped skunk and for reptiles such as western fence lizard and gopher snake. The seasonal wetland is very small and would not provide much habitat value for wading birds or for amphibians such as pacific chorus frog. No large burrows were observed but there were several areas with small fossorial mammal burrows, primarily pocket gopher burrows.

No active bird nests were observed, but the site provides suitable nesting habitat for ground nesting birds such as western meadowlark and suitable foraging habitat for several bird species. The sycamore trees and coast redwood trees provide suitable nesting habitat for passerine birds, but less likely for birds of prey. The sycamore trees provide limited suitability as bat roosting habitat, but the coast redwood trees provide adequate suitability as bat roosting habitat.

Wildlife species that were observed either through direct observation, heard, tracks observed, scat observed, or other indication during the site surveys include pocket gopher, fence lizard, northern mockingbird, house finch, mourning dove, turkey vulture and common raven.

7.4 SPECIAL-STATUS ANIMAL SPECIES

7.4.1 Birds

7.4.1.1 Burrowing Owl

Conservation Status: CDFW - Species of Special Concern

Burrowing owl (*Athene cunicularia*) occurs in open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. Burrowing owl is a subterranean nester which is dependent upon burrowing mammals, most notably, the California ground squirrel. The site provides very limited, but suitable habitat for this species. No medium or large burrows were observed at the site, which significantly limits the suitability of the site for nesting. Surrounding developments also limits the suitability of the site for nesting and foraging habitat.

There is one CNDDB occurrence of this species approximately 3.0-miles to the east of the site. The proposed project will impact potentially suitable habitat for this species, but this would not be considered a significant impact. Based on this evaluation, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.1.2 White-tailed Kite

Conservation Status: CDFW - Fully Protected

White-tailed kite (*Elanus leucurus*) is generally found in rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodlands. They typically nest in oak trees with dense tops. The non-native annual grassland provides suitable foraging habitat for this species. The trees on the site provide potentially suitable nesting habitat, but this species prefers trees in more open habitats.

Although, there are no CNDDB occurrences of this species within 5-miles of the site, it is likely that this species utilizes habitats in the vicinity of the site, primarily the agricultural lands to the west of the site (Figure 5). It is somewhat likely that this species utilizes the grassland habitat at the site for foraging habitat. The proposed project will avoid impacts to potentially suitable nesting habitat. The proposed project will result in the loss of potentially suitable foraging habitat for this species, but this would not be considered a significant impact. Because the proposed project will not result in impacts to suitable nesting habitat, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.1.3 Grasshopper Sparrow

Conservation Status: CDFW - Species of Special Concern

Grasshopper sparrow (*Ammodramu savannarum*) occurs in dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. It favors native grasslands with a mix of grasses, forbs and scattered shrubs. The annual grassland habitat at the site provides limited nesting and foraging habitat suitability for this species. The trees on the site provide potentially suitable nesting habitat for this species.

There are no CNDDB occurrences of this species within 5-miles of the site (Figure 5). It is unlikely that species utilizes habitats at the site, primarily because of surrounding development and the isolated nature of the site. The proposed project will avoid impacts to potentially suitable nesting habitat. The proposed project will result in the loss of potentially suitable foraging habitat for this species, but this would not be considered a significant impact. Therefore, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.1.4 Golden Eagle

Conservation Status: CDFW - Fully Protected

Golden eagle (*Aquila chyrysaetos*) occurs primarily in rolling foothills, mountain areas, sage-juniper flats and desert environments in California. They prefer cliff-walled canyons and large trees in open areas for nesting habitat. The site provides potentially suitable foraging habitat for this species. The trees on the site provide very limited suitability as nesting habitat for this species.

There are no CNDDB occurrences of this species within 5-miles of the site (Figure 5). The proposed project will avoid impacts to potentially suitable nesting habitat. The proposed project will result in the loss of potentially suitable foraging habitat for this species, but this would not be considered a significant impact. Therefore, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.1.5 Ferruginous Hawk

Conservation Status: CDFW - Watch List

Ferruginous hawk (*Buteo regalis*) occurs in open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats and feed primarily on ground squirrels and mice. The annual grassland habitat at the site provides limited foraging habitat suitability for this species. The trees at the site provide very limited suitability as nesting habitat for this species.

There are no CNDDB occurrences of this species within 5-miles of the site (Figure 5). It is unlikely that species utilizes habitats at the site. The proposed project will avoid impacts to potentially suitable nesting habitat. The proposed project will result in the loss of potentially suitable foraging habitat for this species, but this would not be considered a significant impact. Therefore, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.2 Mammals

7.4.2.1 American Badger

Conservation Status: CDFW - Species of Special Concern

American badger (*Taxidea taxus*) generally occur in open pasture and grassland habitats and are most abundant in drier open stages of most shrub, forest and herbaceous habitats with friable soils on uncultivated ground. They dig their own burrows and prey primarily on burrowing rodents. The non-native annual grassland at the site provides very limited, but potentially suitable habitat for this species. Surrounding developments and the isolated nature of the site greatly limits the suitability of the site for this species. No large burrows were observed at the site which would further limit the likelihood that this species occurs at the site.

There are two CNDDB occurrences of this species within 5-miles of the site (Figure 5). They are located approximately 4.0-miles to the southwest of the site and approximately 4.5-miles to the south of the site (Figure 5). The proposed project will impact potentially suitable habitat for this species, but this would not be considered a significant impact as there is no indication that this species occurs at the site. Therefore, it has been determined that there will be no significant impact to this species as a result of the proposed project.

7.4.2.2 Special-Status Bat Species

All special-status bat species, including several bat species which do not have special status, but have potential to occur in habitats at the site, have been included in this evaluation of habitat suitability and discussion of potential impacts. All bat species have state protection during nesting and roosting seasons. The following bat species are included in this habitat assessment:

Pallid Bat (*Antrozous pallidus*) - Conservation Status: CDFW – Species of Special Concern

Townsend's Big-Eared Bat (*Corynorhinus townsendii*) - Conservation Status: State - Candidate Threatened; CDFW - Species of Special Concern

Western red bat (*Lasiurus blossevillii*) – Conservation Status: CDFW – Species of Special Concern

Hoary Bat (*Lasiurus cinereus*) – Conservation Status: None

Fringed Myotis (*Myotis thysanodes*) – Conservation Status: None

Bats are known to utilize a vast variety of habitat types for foraging and several types of structures for nesting and roosting including trees, cliffs, rock outcrops, buildings, bridges, caves and mines. The sycamore trees and coast redwood trees provides, very limited, yet suitable roosting habitat for bat species that prefer roosting in trees. No cavities were observed in these trees, but some of the coast redwood trees exhibited exfoliating bark which provides potential roosting habitat. The surrounding site developments and the noise and light pollution from the industrial/commercial businesses and Business Park Drive greatly reduces the likelihood that bats utilize these trees as roosting habitat. It is highly unlikely that bats are roosting in the coast redwood or sycamore trees at the site.

There are no CNDDB occurrences of these bat species within 5-miles of the site (Figure 5). No trees are proposed to be removed as a result of the proposed project. Based on this assessment, it has been determined that there will be no impact to roosting bat species as a result of the proposed project.

7.4.3 Amphibians and Reptiles

7.4.3.1 California Tiger Salamander

Conservation Status: Federal – Endangered; CDFW – Threatened

California tiger salamander (*Ambystoma californiense*) occurs in pasture land and vernal pool habitat in the Santa Rosa Plain. The site is within the potential range of the California tiger salamander (*Ambystoma californiense*) (CTS) as mapped by the United States Fish and Wildlife Service (USFWS) according to the Santa Rosa Plain Conservation Strategy (SRPCS) (SRPCST, 2005). The site is within listed critical habitat for California tiger salamander (Federal Register, 2011). The site is designated as "Future Development" according to Figure 3 of the SRPCS (SRPCST, 2005). In addition, the site is designated as "May adversely affect listed plants and would likely adversely affect CTS", according to Enclosure 1 of the Programmatic Biological Opinion for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California, dated November 9, 2007 (USFWS, 2007). According to these two documents, mitigation for potential impacts to California tiger salamander habitat will be required.

The two nearest CNDDB occurrences of this species are adult sightings approximately 1,500 feet to the north of the site and approximately 1,600 feet to the south of the site (Figure 5). The nearest known CTS breeding site is approximately 2,900 feet to the north of the site on Langer Road in Rohnert Park (Figure 5).

The proposed project will result in the loss of approximately 10.3-acres of suitable upland aestivation habitat for CTS. The seasonal wetland habitat at the site does not provide suitable breeding habitat as it is very small and shallow and has a short hydro-period. Therefore, it has been determined that there would be a significant impact to this species upland aestivation habitat without appropriate mitigation measures.

7.4.4 Invertebrates

7.4.4.1 California Linderiella

Conservation Status: None

California linderiella (*Linderiella occidentalis*) is known to occur in vernal pools in unplowed grasslands with with old alluvial soils underlain by hardpan or in sandstone depressions. California linderiella require large, high quality vernal pools with clear water. The short hydro-period and degraded nature of the seasonal wetland at the site greatly reduces the possibility of this species occurring at the site. It is highly unlikely that California linderiella occurs in the seasonal wetlands at the site.

There nearest CNDDB occurrences of this species is approximately 0.4-miles to the north of the site (Figure 5). The proposed project will impact seasonal wetland habitat, but this seasonal wetland is highly degraded, would be considered low quality and would not provide suitable

habitat for this species. Therefore, it has been determined that there will be no impact to this species as a result of the proposed project.

7.4.5 Insects

7.4.5.1 Blennosperma Vernal Pool Andrenid Bee

Conservation Status: None

Blennosperma vernal pool andrenid bee (*Andrena blennospermatis*) is oligolectic on vernal pool Blennosperma species. Oligolectic refers to bee species that specialize in collecting pollen from one genus or species (or from only a few genera or species) of flowering plants. In this area, this bee species is known to pollinate Sonoma sunshine (*Blennosperma bakeri*), which is a federally endangered plant species that is known to occur in high quality vernal pools. There is a CNDDB occurrence of this species, approximately 3.5-miles to the northwest of the site (Figure 5). Because Sonoma sunshine does not occur at the site, it greatly limits the habitat suitability for this species and it is unlikely that this species occurs at the site. Therefore, it has been determined that there will be no impact to this species as a result of the proposed project.

8 DISCUSSION OF POTENTIAL IMPACTS

8.1 SIGNIFICANCE CRITERIA

The determination of significance of impacts to biological resources involves an evaluation of the context in which the impact may occur and the intensity and extent of the impact's effect. The significance of potential impacts is assessed at a site-specific scale and in the larger regional context. The project's effect on biological resources would be considered significant if the project results in:

- Alteration of unique characteristics of the area, such as sensitive plant communities and habitats (i.e. serpentine habitats, wetlands, riparian habitats).
- Adverse impacts to special-status species
- Adverse impacts to important or vulnerable resources as determined by scientific opinion or resource agency concerns (i.e. special status habitats; e.g. wetlands).
- Interference with migratory routes.

8.2 POTENTIAL IMPACTS

The proposed project has the potential to significantly impact biological resources at the site. Site developments will result in the loss of 0.005-acres of seasonal wetland habitat and approximately 10.3-acres of suitable upland aestivation habitat for California tiger salamander. In addition, the 0.005-acres of seasonal wetland habitat is considered suitable habitat for federally endangered plant species. In addition, development of the site has the potential to impact native birds, especially native ground nesting birds.

9 RECOMMENDED MITIGATION MEASURES

9.1 IMPACTS AND RECOMMENDED MITIGATION

Implementation of the following recommended mitigation measures, in addition to any regulatory agency conditions, will result in a finding of less than significant impacts to biological resources as a result of site development**.**

IMPACT 1. LOSS OF 0.005-ACRES OF SEASONAL WETLAND HABITAT AND SUITABLE FEDERALLY ENDANGERED PLANT HABITAT

Site developments will results in the loss of 0.005-acres of seasonal wetland habitat. The 0.005-acres of seasonal wetland habitat is considered suitable federally endangered plant habitat.

Mitigation Measures

Mitigation 1.1. *Obtain permit authorization from the USACE under the 404 Nationwide Permit Program for the loss of 0.005-acres of seasonal wetland habitat. Implement all agency permit conditions.*

Mitigation 1.2. *Obtain permit authorization from the SWRCB under the 401 Water Quality Certification Program for the loss of 0.005-acres of seasonal wetland habitat. Implement all agency permit conditions.*

Mitigation 1.3. *Mitigate for the loss of 0.005-acres of seasonal wetland habitat at a 1:1 ratio at an approved wetland mitigation bank.*

Mitigation 1.4. *Append the project to the USFWS Programmatic Biological Opinion (Programmatic) for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California. Mitigate for the loss of 0.005-acres of suitable federally endangered plant habitat in accordance with the USFWS Programmatic Biological Opinion (Programmatic) for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California.*

IMPACT 2. LOSS OF 10.3-ACRES OF CALIFORNIA TIGER SALAMANDER UPLAND AESTIVATION HABITAT

Site developments will results in the loss of approximately 10.3-acres of California tiger salamander upland aestivation habitat.

Mitigation Measures

Mitigation 2.1. *Append the project to the USFWS Programmatic Biological Opinion (Programmatic) for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California. Mitigate for the loss of 10.3-acres of suitable California tiger salamander upland aestivation habitat at a 1:1 mitigation ratio in accordance with the USFWS Programmatic Biological*

Opinion (Programmatic) for U.S. Army Corps of Engineers Permitted Projects that May Affect California Tiger Salamander and Three Endangered Plant Species on the Santa Rosa Plain, California.

IMPACT 3. CONSTRUCTION ACTIVITIES MAY IMPACT NESTING BIRDS

It is possible that ground nesting birds could initiate nesting in the grassland habitat at the site. To ensure that nesting birds are not disturbed as a result of construction activities, it is recommended that pre-construction surveys for nesting birds be performed prior to construction activities.

Mitigation Measures

Mitigation 3.1. *A qualified biologist should perform a pre-construction survey for nesting birds within 14 days prior ground breaking at the site if construction activities will take place between February 1 and August 31. If nesting birds are found, the qualified biologist should establish suitable buffers prior to ground breaking activities. To prevent encroachment, the established buffer(s) should be clearly marked by highly visibility material. The established buffer(s) should remain in effect until the young have fledged or the nest has been abandoned as confirmed by the qualified biologist.*

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FIGURES

FIGURE 1. SITE VICINITY MAP

FIGURE 2. USGS MAP

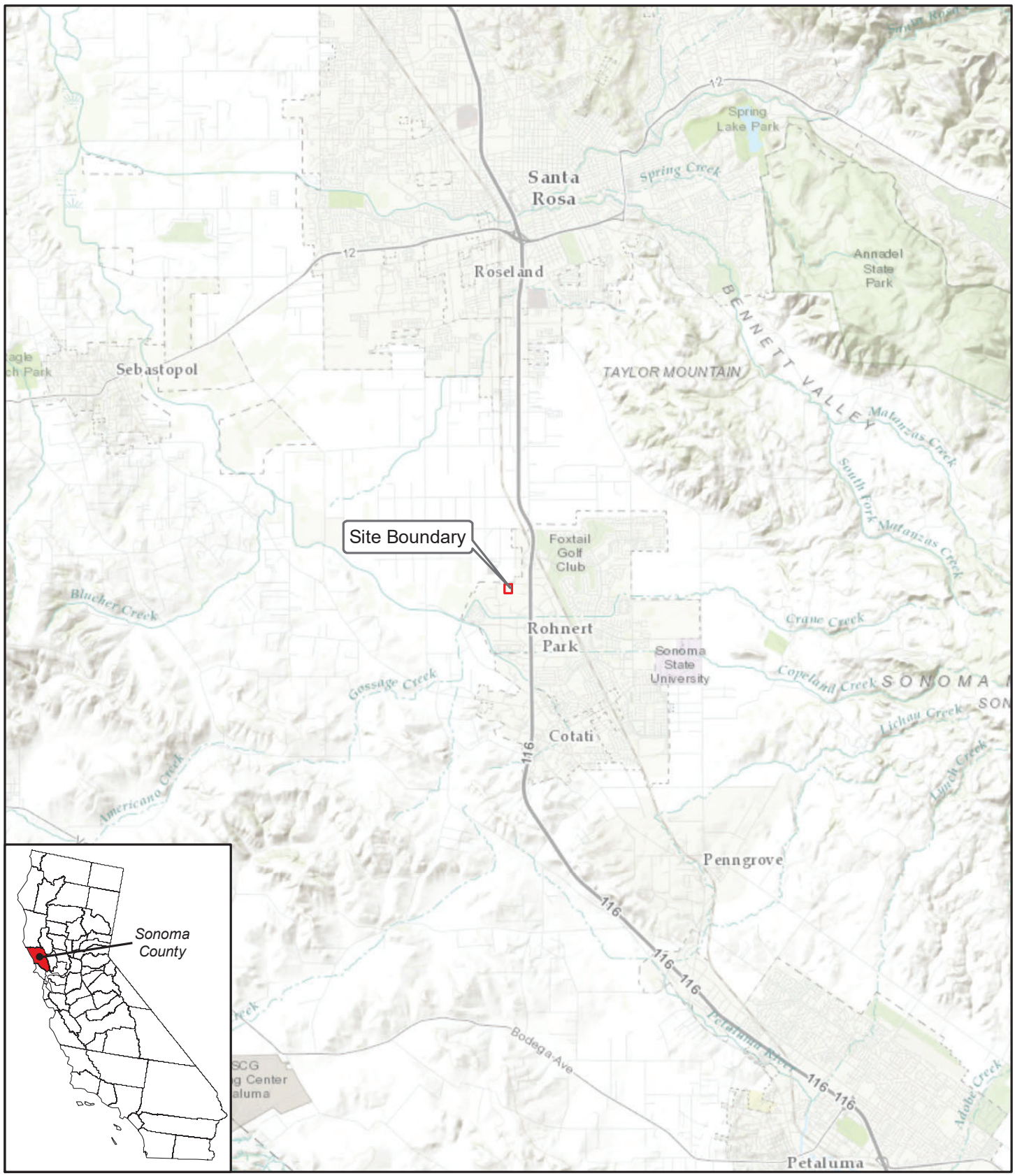
FIGURE 3. SOILS MAP

FIGURE 4. HABITAT MAP

FIGURE 5. CNDDB MAP

SITE PLAN

PHOTO PLATE A



Site Boundary

Figure 1 - Site Vicinity Map		
Dowdell Ave. & Business Park Dr. Rohnert Park, CA Sonoma County - APN - 143-040-064	N Wiemeyer Ecological Sciences 4000 Montgomery Drive, Suite L-5 Santa Rosa, CA 95405	Parcel boundary provided by Sonoma County Map date: 11/2017

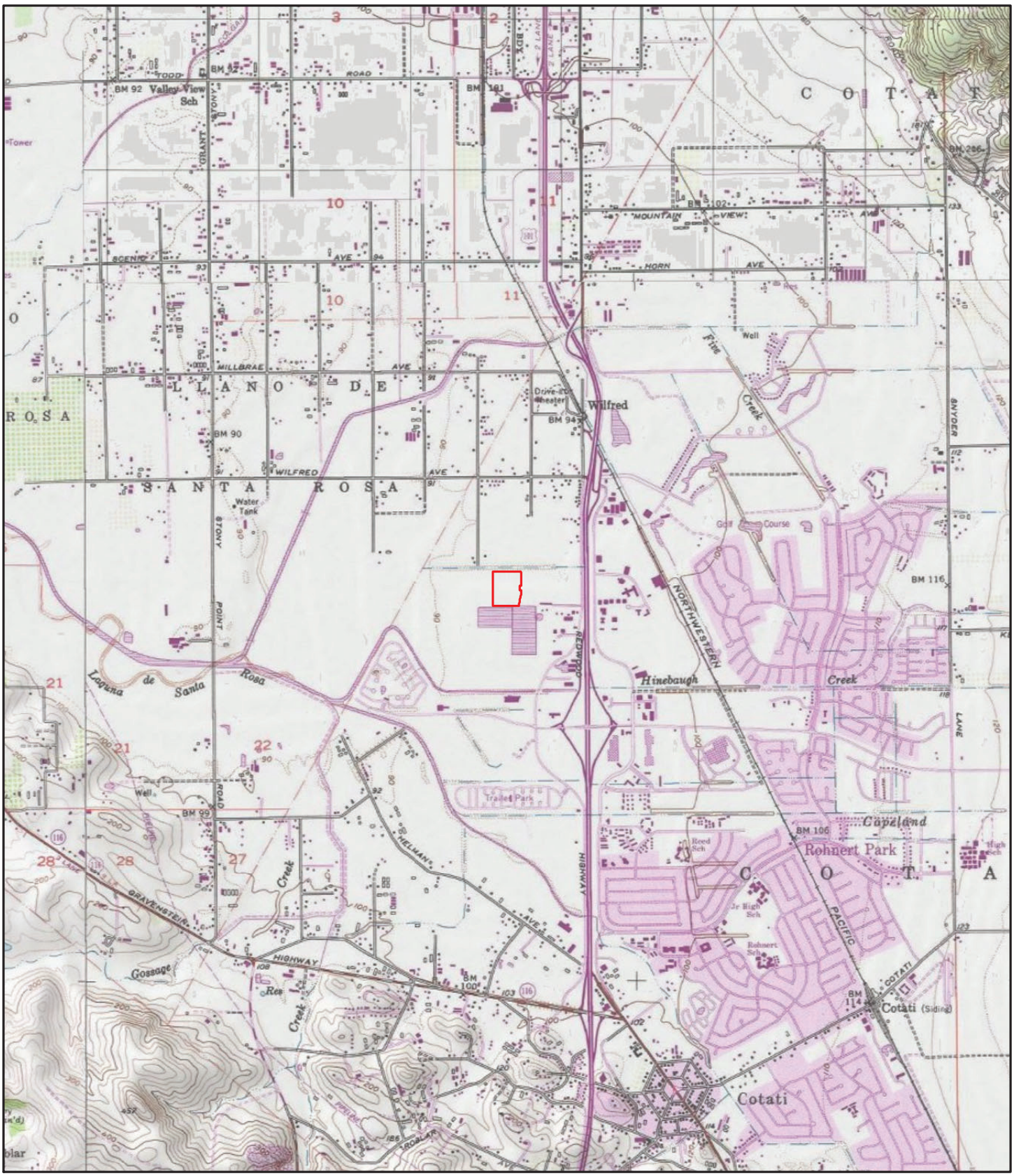


Figure 2 - USGS Map

Dowdell Ave. & Business Park Dr.
Rohnert Park, CA
Sonoma County - APN - 143-040-064

N

Wiemeyer Ecological Sciences
4000 Montgomery Drive, Suite L-5
Santa Rosa, CA 95405

Parcel boundary provided by Sonoma County
Map date: 11/2017



Site Boundary | CeA - Clear Lake clay, sandy substratum, drained, 0 to 2 percent slopes, MLRA 14

Figure 3 - Soils Map

Dowdell Ave. & Business Park Dr.
Rohnert Park, CA
Sonoma County - APN - 143-040-064

0 25 50 100 150 200 Feet

N

Wiemeyer Ecological Sciences
4000 Montgomery Drive, Suite L-5
Santa Rosa, CA 95405

Parcel boundary provided by Sonoma County
Soils provided by NRCS
Map date: 11/2017



Site Boundary Seasonal Wetland * NAG - Non-native annual grassland

Figure 4 - Habitat Map

Dowdell Ave. & Business Park Dr.
Rohnert Park, CA
Sonoma County - APN - 143-040-064

0 25 50 100 150 200 Feet

N

Wiemeyer Ecological Sciences
4000 Montgomery Drive, Suite L-5
Santa Rosa, CA 95405

Parcel boundary provided by Sonoma County
Aerial: (NAIP 2016)
Map date: 11/2017

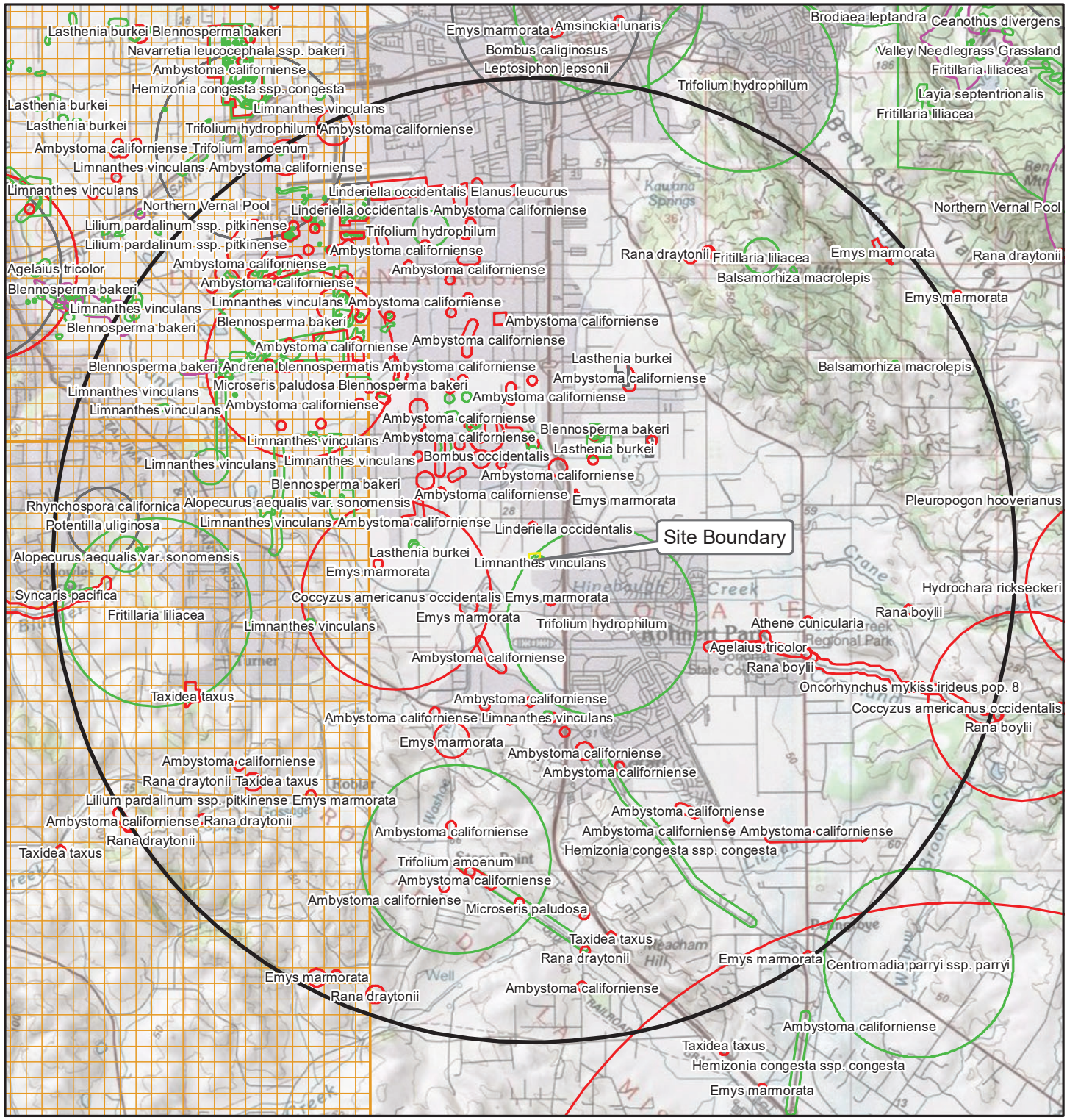


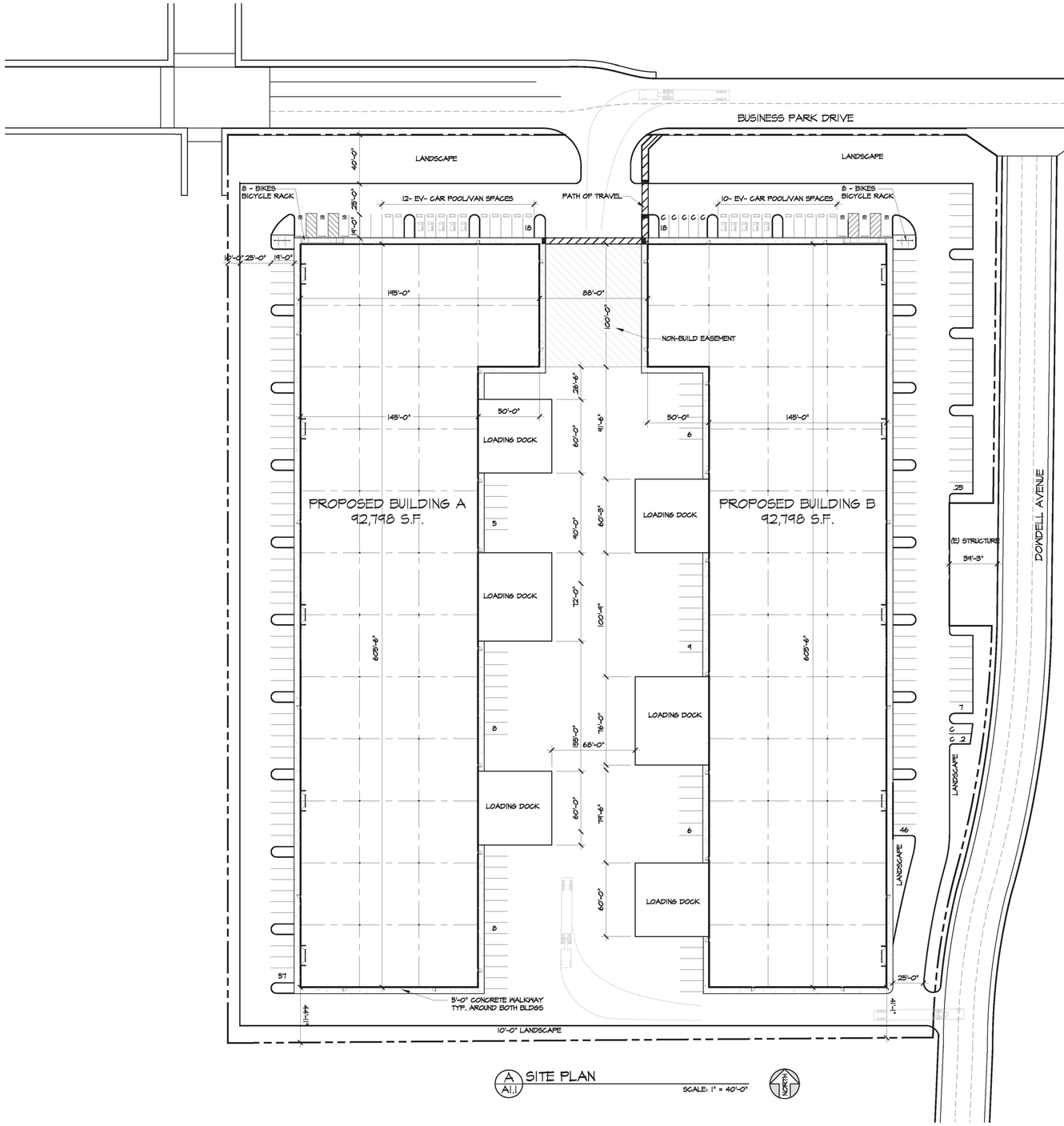
Figure 5 - CNDDB Occurrences

Dowdell Ave. & Business Park Dr.
Rohnert Park, CA
Sonoma County - APN - 143-040-064

N

Wiemeyer Ecological Sciences
4000 Montgomery Drive, Suite L-5
Santa Rosa, CA 95405

Parcel boundary provided by Sonoma County
CNDDB provided by CDFW (v. Nov. 2017)
Map date: 11/2017



A1.1 SITE PLAN

SCALE: 1" = 40'-0"

NORTH

PROJECT DATA:

JURISDICTION:	CITY OF ROHNERT PARK
PARCEL NUMBER:	148-040-134-000
LOT AREA (GROSS):	448,668 S.F. = 10.3 ACRES
BUILDING AREA:	185,545 S.F.
BUILDING COVERAGE:	41 %
ZONING:	IL (LIMITED INDUSTRIAL)
ALLOWABLE AREA:	3 SIDES AT 60' AND 1 SIDE AT 40' AND FIRE SPRINKLERED = UNLIMITED AREA PER 2013 CBC SECTION 507.5 REDUCTION TO 40' IS ALLOWED
BUILDING CODE:	2013 CBC
CONSTRUCTION TYPE:	V-B, FIRE SPRINKLERED
OCCUPANCY TYPES:	B, S-1, F-1
PARKING CALCULATIONS 7% OFFICE @ 1/250 SF = 93% WAREHOUSE @ 1/1000 SF =	52 SPACES 173 SPACES
TOTAL REQUIRED =	225 SPACES
TOTAL PROVIDED =	229 SPACES - INCLUDING 7 COMPACT SPACES 6 ACCESSIBLE PARKING SPACES AND 22 EV-CAR POOL / VAN SPACES

GBDH
DESIGN GROUP, INC.
ARCHITECTURE + ENGINEERING
9806 Old Winery Place, Suite 1
Sacramento, California 95827
Tel 916.854.9901 Fax 916.854.9840

REGISTERED PROFESSIONAL ENGINEER
ROY A. HUNT
No. C34833
Exp. 9-30-17
CIVIL
STATE OF CALIFORNIA

Consultants

6/23/17

Project
WAREHOUSE BUILDING FOR SPEC
DOWDELL AVENUE,
ROHNERT PARK, CA

No.	Revision	Date

Client
alston CONSTRUCTION
8775 FOLSOM BLVD, SUITE 201
SACRAMENTO, CA 95826
Ph 916 340 2400 Fx 916 418 2923

Sheet Title
SITE PLAN

Date	Project No.
00/00/17	P34-3564
Drawn By: MAV	Sheet No. A1.1
Checked By: RAH	



A-1: Looking south at northeast corner of site.



A-2: Looking east at southwest corner of site.



A-3: Looking north at southwest corner showing rows of trees.



A-4: Looking south showing typical grassland habitat at site.



A-5: Looking northeast showing typical grassland habitat at the site.



A-6: Seasonal wetland at southern site boundary.

Dowdell Avenue and Business Park Drive
Rohnert Park, CA
PHOTO PLATE A

WIEMEYER ECOLOGICAL SCIENCES
4000 MONTGOMERY DRIVE, SUITE L-5
SANTA ROSA, CA 95405
(707) 573-1770

APPENDIX A
SPECIAL STATUS PLANT SPECIES

APPENDIX A: SPECIAL-STATUS PLANT SPECIES LIST

USGS 9-QUADRANGLE MAPS- *Sebastopol, Santa Rosa, Kenwood, Two Rock, Cotati, Glen Ellen, Point Reyes NE, Petuluma, Petuluma River*

CNDDB/CNPS- June 2017

Scientific Name	Common Name	Rare Plant Rank	Global Rank	State Rank	Califronia List	Federal List	Habitat
Allium peninsulare var. franciscanum	Franciscan onion	1B.2	G5T1	S1	None	None	Cismontane woodland, Valley and foothill grassland
Alopecurus aequalis var. sonomensis	Sonoma alopecurus	1B.1	G5T1	S1	None	Endangered	Marshes and swamps (freshwater), Riparian scrub
Amorpha californica var. napensis	Napa false indigo	1B.2	G4T2	S2	None	None	Broadleafed upland forest (openings), Chaparral, Cismontane woodland
Amsinckia lunaris	bent-flowered fiddleneck	1B.2	G2G3	S2S3	None	None	Coastal bluff scrub, Cismontane woodland, Valley and foothill grassland
Arabis blepharophylla	coast rockcress	4.3	G4	S4	None	None	Broadleafed upland forest, Coastal bluff scrub, Coastal prairie, Coastal scrub
Arctostaphylos densiflora	Vine Hill manzanita	1B.1	G1	S1	Endangered	None	Chaparral (acid marine sand)
Arctostaphylos stanfordiana ssp. decumbens	Rincon Ridge manzanita	1B.1	G3T1	S1	None	None	Chaparral (rhyolitic), Cismontane woodland
Astragalus claranus	Clara Hunt's milk-vetch	1B.1	G1	S1	Threatened	Endangered	Chaparral (openings), Cismontane woodland, Valley and foothill grassland
Astragalus tener var. tener	alkali milk-vetch	1B.2	G2T2	S2	None	None	Playas, Valley and foothill grassland (adobe clay), Vernal pools
Balsamorhiza macrolepis	big-scale balsamroot	1B.2	G2	S2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Blennosperma bakeri	Sonoma sunshine	1B.1	G1	S1	Endangered	Endangered	Valley and foothill grassland (mesic), Vernal pools
Brodiaea leptandra	narrow-anthered brodiaea	1B.2	G3?	S3?	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland
Calamagrostis bolanderi	Bolander's reed grass	4.2	G4	S4	None	None	Bogs and fens, Broadleafed upland forest, Closed-cone coniferous forest, Coastal scrub, Meadows and seeps (mesic), Marshes and swamps (freshwater), North Coast coniferous forest
Calamagrostis crassiglumis	Thurber's reed grass	2B.1	G3Q	S2	None	None	Coastal scrub (mesic), Marshes and swamps (freshwater)
Calamagrostis ophitidis	serpentine reed grass	4.3	G3	S3	None	None	Chaparral (open, often north-facing slopes), Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland
Calandrinia breweri	Brewer's calandrinia	4.2	G4	S4	None	None	Chaparral, Coastal scrub
California macrophylla	round-leaved filaree	1B.2	G3?	S3?	None	None	Cismontane woodland, Valley and foothill grassland
Calochortus umbellatus	Oakland star-tulip	4.2	G4	S4	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland
Calochortus uniflorus	pink star-tulip	4.2	G4	S4	None	None	Coastal prairie, Coastal scrub, Meadows and seeps, North Coast coniferous forest
Campanula californica	swamp harebell	1B.2	G3	S3	None	None	Bogs and fens, Closed-cone coniferous forest, Coastal prairie, Meadows and seeps, Marshes and swamps (freshwater), North Coast coniferous forest
Castilleja ambigua var. ambigua	johnny-nip	4.2	G4T5	S4	None	None	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools margins
Castilleja uliginosa	Pitkin Marsh paintbrush	1A	GXQ	SX	Endangered	None	Marshes and swamps (freshwater)
Ceanothus confusus	Rincon Ridge ceanothus	1B.1	G1	S1	None	None	Closed-cone coniferous forest, Chaparral, Cismontane woodland
Ceanothus divergens	Calistoga ceanothus	1B.2	G2	S2	None	None	Chaparral (serpentinite or volcanic, rocky)
Ceanothus foliosus var. vineatus	Vine Hill ceanothus	1B.1	G3T1	S1	None	None	Chaparral
Ceanothus gloriosus var. exaltatus	glory brush	4.3	G4T4	S4	None	None	Chaparral
Ceanothus masonii	Mason's ceanothus	1B.2	G1	S1	Rare	None	Chaparral (openings, rocky, serpentinite)
Ceanothus purpureus	holly-leaved ceanothus	1B.2	G2	S2	None	None	Chaparral, Cismontane woodland
Ceanothus sonomensis	Sonoma ceanothus	1B.2	G2	S2	None	None	Chaparral (sandy, serpentinite or volcanic)
Centromadia parryi ssp. parryi	pappose tarplant	1B.2	G3T2	S2	None	None	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps (coastal salt), Valley and foothill grassland (vernally mesic)
Chloropyron maritimum ssp. palustre	Point Reyes bird's-beak	1B.2	G4?T2	S2	None	None	Marshes and swamps (coastal salt)
Chloropyron molle ssp. molle	soft bird's-beak	1B.2	G2T1	S1	Rare	Endangered	Marshes and swamps (coastal salt)

APPENDIX A: SPECIAL-STATUS PLANT SPECIES LIST

USGS 9-QUADRANGLE MAPS- *Sebastopol, Santa Rosa, Kenwood, Two Rock, Cotati, Glen Ellen, Point Reyes NE, Petuluma, Petuluma River*

CNDDB/CNPS- June 2017

Scientific Name	Common Name	Rare Plant Rank	Global Rank	State Rank	Califronia List	Federal List	Habitat
Chorizanthe valida	Sonoma spineflower	1B.1	G1	S1	Endangered	Endangered	Coastal prairie (sandy)
Cirsium andrewsii	Franciscan thistle	1B.2	G3	S3	None	None	Broadleafed upland forest, Coastal bluff scrub, Coastal prairie, Coastal scrub
Clarkia breweri	Brewer's clarkia	4.2	G4	S4	None	None	Chaparral, Cismontane woodland, Coastal scrub
Clarkia imbricata	Vine Hill clarkia	1B.1	G1	S1	Endangered	Endangered	Chaparral, Valley and foothill grassland
Cordylanthus tenuis ssp. brunneus	serpentine bird's-beak	4.3	G4G5T3	S3	None	None	Closed-cone coniferous forest, Chaparral, Cismontane woodland
Cuscuta obtusiflora var. glandulosa	Peruvian dodder	2B.2	G5T4T5	SH	None	None	Marshes and swamps (freshwater)
Delphinium bakeri	Baker's larkspur	1B.1	G1	S1	Endangered	Endangered	Broadleafed upland forest, Coastal scrub, Valley and foothill grassland
Delphinium luteum	golden larkspur	1B.1	G1	S1	Rare	Endangered	Chaparral, Coastal prairie, Coastal scrub
Downingia pusilla	dwarf downingia	2B.2	GU	S2	None	None	Valley and foothill grassland (mesic), Vernal pools
Eleocharis parvula	small spikerush	4.3	G5	S4	None	None	Marshes and swamps
Erigeron biolettii	streamside daisy	3	G3?	S3?	None	None	Broadleafed upland forest, Cismontane woodland, North Coast coniferous forest
Eriogonum luteolum var. caninum	Tiburon buckwheat	1B.2	G5T2	S2	None	None	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland
Eriophorum gracile	slender cottongrass	4.3	G5	S4	None	None	Bogs and fens, Meadows and seeps, Upper montane coniferous forest
Fritillaria lanceolata var. tristulis	Marin checker lily	1B.1	G5T2	S2	None	None	Coastal bluff scrub, Coastal prairie, Coastal scrub
Fritillaria liliacea	fragrant fritillary	1B.2	G2	S2	None	None	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland
Gilia capitata ssp. tomentosa	woolly-headed gilia	1B.1	G5T1	S1	None	None	Coastal bluff scrub, Valley and foothill grassland
Hemizonia congesta ssp. congesta	congested-headed hayfield tarplant	1B.2	G5T1T2	S1S2	None	None	Valley and foothill grassland
Hesperolinon congestum	Marin western flax	1B.1	G1	S1	Threatened	Threatened	Chaparral, Valley and foothill grassland
Horkelia tenuiloba	thin-lobed horkelia	1B.2	G2	S2	None	None	Broadleafed upland forest, Chaparral, Valley and foothill grassland
Hosackia gracilis	harlequin lotus	4.2	G4	S3	None	None	Broadleafed upland forest, Coastal bluff scrub, Closed-cone coniferous forest, Cismontane woodland, Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Valley and foothill grassland
Iris longipetala	coast iris	4.2	G3	S3	None	None	Coastal prairie, Lower montane coniferous forest, Meadows and seeps
Lasthenia burkei	Burke's goldfields	1B.1	G1	S1	Endangered	Endangered	Meadows and seeps (mesic), Vernal pools
Lasthenia californica ssp. bakeri	Baker's goldfields	1B.2	G3T1	S1	None	None	Closed-cone coniferous forest (openings), Coastal scrub, Meadows and seeps, Marshes and swamps
Lasthenia conjugens	Contra Costa goldfields	1B.1	G1	S1	None	Endangered	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools
Layia septentrionalis	Colusa layia	1B.2	G2	S2	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Legenere limosa	legenere	1B.1	G2	S2	None	None	Vernal pools
Leptosiphon acicularis	bristly leptosiphon	4.2	G3	S3	None	None	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland
Leptosiphon jepsonii	Jepson's leptosiphon	1B.2	G3	S3	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Lessingia hololeuca	woolly-headed lessingia	3	G3?	S3?	None	None	Broadleafed upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland
Lilium pardalinum ssp. pitkinense	Pitkin Marsh lily	1B.1	G5T1	S1	Endangered	Endangered	Cismontane woodland, Meadows and seeps, Marshes and swamps (freshwater)
Limnanthes vinculans	Sebastopol meadowfoam	1B.1	G1	S1	Endangered	Endangered	Meadows and seeps, Valley and foothill grassland, Vernal pools
Lomatium repostum	Napa lomatium	4.3	G3	S3	None	None	Chaparral, Cismontane woodland
Micropus amphibolus	Mt. Diablo cottonweed	3.2	G3G4	S3S4	None	None	Broadleafed upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland

APPENDIX A: SPECIAL-STATUS PLANT SPECIES LIST

USGS 9-QUADRANGLE MAPS- *Sebastopol, Santa Rosa, Kenwood, Two Rock, Cotati, Glen Ellen, Point Reyes NE, Petuluma, Petuluma River*

CNDDB/CNPS- June 2017

Scientific Name	Common Name	Rare Plant Rank	Global Rank	State Rank	Califronia List	Federal List	Habitat
Microseris paludosa	marsh microseris	1B.2	G2	S2	None	None	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland
Navarretia cotulifolia	cotula navarretia	4.2	G4	S4	None	None	Chaparral, Cismontane woodland, Valley and foothill grassland
Navarretia heterandra	Tehama navarretia	4.3	G4	S4	None	None	Valley and foothill grassland (mesic), Vernal pools
Navarretia leucocephala ssp. bakeri	Baker's navarretia	1B.1	G4T2	S2	None	None	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Valley and foothill grassland, Vernal pools
Navarretia leucocephala ssp. plieantha	many-flowered navarretia	1B.2	G4T1	S1	Endangered	Endangered	Vernal pools (volcanic ash flow)
Penstemon newberryi var. sonomensis	Sonoma beardtongue	1B.3	G4T2	S2	None	None	Chaparral (rocky)
Perideridia gairdneri ssp. gairdneri	Gairdner's yampah	4.2	G5T4	S4	None	None	Broadleafed upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools
Plagiobothrys mollis var. vestitus	Petaluma popcornflower	1A	G4?TX	SX	None	None	Marshes and swamps (coastal salt), Valley and foothill grassland (mesic)
Pleuropogon hooverianus	North Coast semaphore grass	1B.1	G2	S2	Threatened	None	Broadleafed upland forest, Meadows and seeps, North Coast coniferous forest
Pleuropogon refractus	nodding semaphore grass	4.2	G4	S4	None	None	Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest, Riparian forest
Polygonum marinense	Marin knotweed	3.1	G2Q	S2	None	None	Marshes and swamps (coastal salt or brackish)
Potentilla uliginosa	Cunningham Marsh cinquefoil	1A	GH	SH	None	None	Marshes and swamps
Ranunculus lobbii	Lobb's aquatic buttercup	4.2	G4	S3	None	None	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools
Rhynchospora alba	white beaked-rush	2B.2	G5	S2	None	None	Bogs and fens, Meadows and seeps, Marshes and swamps (freshwater)
Rhynchospora californica	California beaked-rush	1B.1	G1	S1	None	None	Bogs and fens, Lower montane coniferous forest, Meadows and seeps (seeps), Marshes and swamps (freshwater)
Rhynchospora capitellata	brownish beaked-rush	2B.2	G5	S1	None	None	Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Upper montane coniferous forest
Rhynchospora globularis	round-headed beaked-rush	2B.1	G4	S1	None	None	Marshes and swamps (freshwater)
Sidalcea calycosa ssp. rhizomata	Point Reyes checkerbloom	1B.2	G5T2	S2	None	None	Marshes and swamps (freshwater, near coast)
Sidalcea oregana ssp. valida	Kenwood Marsh checkerbloom	1B.1	G5T1	S1	Endangered	Endangered	Marshes and swamps (freshwater)
Trifolium amoenum	two-fork clover	1B.1	G1	S1	None	Endangered	Coastal bluff scrub, Valley and foothill grassland (sometimes serpentinite)
Trifolium buckwestiorum	Santa Cruz clover	1B.1	G2	S2	None	None	Broadleafed upland forest, Cismontane woodland, Coastal prairie
Trifolium hydrophilum	saline clover	1B.2	G2	S2	None	None	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools
Triphysaria floribunda	San Francisco owl's-clover	1B.2	G2?	S2?	None	None	Coastal prairie, Coastal scrub, Valley and foothill grassland
Triquetrella californica	coastal triquetrella	1B.2	G2	S2	None	None	Coastal bluff scrub, Coastal scrub
Viburnum ellipticum	oval-leaved viburnum	2B.3	G4G5	S3?	None	None	Chaparral, Cismontane woodland, Lower montane coniferous forest

APPENDIX B
SPECIAL STATUS ANIMAL SPECIES

APPENDIX B: SPECIAL-STATUS ANIMAL SPECIES LIST

USGS 9-QUADANGLE MAPS- *Sebastopol, Santa Rosa, Kenwood, Two Rock, Cotati, Glen Ellen, Point Reyes NE, Petuluma, Petuluma River*

CNDDB- June 2017

Scientific Name	Common Name	Federeal List	California List	Global Rank	State Rank	Dept. Fish and Wildlife Rank	Habitat
Agelaius tricolor	tricolored blackbird	None	Candidate Endangered	G2G3	S1S2	Special Concern	Freshwater marsh | Marsh & swamp | Swamp | Wetland
Ambystoma californiense	California tiger salamander	Threatened	Threatened	G2G3	S2S3	Watch List	Cismontane woodland | Meadow & seep | Riparian woodland | Valley & foothill grassland | Vernal pool | Wetland
Ammodramus savannarum	grasshopper sparrow	None	None	G5	S3	Special Concern	Valley & foothill grassland
Andrena blennospermatis	Blennosperma vernal pool andrenid bee	None	None	G2	S2	None	Vernal pool
Antrozous pallidus	pallid bat	None	None	G5	S3	Special Concern	Chaparral | Coastal scrub | Desert wash | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Riparian woodland | Sonoran desert scrub | Upper montane coniferous forest | Valley & foothill grassland
Aquila chrysaetos	golden eagle	None	None	G5	S3	Fully Protected/ Watch List	Broadleaved upland forest | Cismontane woodland | Coastal prairie | Great Basin grassland | Great Basin scrub | Lower montane coniferous forest | Pinon & juniper woodlands | Upper montane coniferous forest | Valley & foothill grassland
Athene cunicularia	burrowing owl	None	None	G4	S3	Special Concern	Coastal prairie | Coastal scrub | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Sonoran desert scrub | Valley & foothill grassland
Bombus caliginosus	obscure bumble bee	None	None	G4?	S1S2	None	
Bombus crotchii	Crotch bumble bee	None	None	G3G4	S1S2	None	
Bombus occidentalis	western bumble bee	None	None	G2G3	S1	None	
Buteo regalis	ferruginous hawk	None	None	G4	S3S4	Watch List	Great Basin grassland | Great Basin scrub | Pinon & juniper woodlands | Valley & foothill grassland
Buteo swainsoni	Swainson's hawk	None	Threatened	G5	S3	None	Great Basin grassland | Riparian forest | Riparian woodland | Valley & foothill grassland
Caecidotea tomalensis	Tomales isopod	None	None	G2	S2S3	None	Aquatic | Sacramento/San Joaquin flowing waters | Sacramento/San Joaquin standing waters
Calicina diminua	Marin blind harvestman	None	None	G1	S1	None	Ultramafic
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Threatened	Endangered	G5T2T3	S1	None	Riparian forest
Corynorhinus townsendii	Townsend's big-eared bat	None	None	G3G4	S2	Special Concern	Broadleaved upland forest | Chaparral | Chenopod scrub | Great Basin grassland | Great Basin scrub | Joshua tree woodland | Lower montane coniferous forest | Meadow & seep | Mojavean desert scrub | Riparian forest | Riparian woodland | Sonoran desert scrub | Sonoran thorn woodland | Upper montane coniferous forest | Valley & foothill grassland
Dicamptodon ensatus	California giant salamander	None	None	G3	S2S3	Special Concern	Aquatic | Meadow & seep | North coast coniferous forest | Riparian forest
Elanus leucurus	white-tailed kite	None	None	G5	S3S4	Fully Protected	Cismontane woodland | Marsh & swamp | Riparian woodland | Valley & foothill grassland | Wetland
Emys marmorata	western pond turtle	None	None	G3G4	S3	Special Concern	Aquatic | Artificial flowing waters | Klamath/North coast flowing waters | Klamath/North coast standing waters | Marsh & swamp | Sacramento/San Joaquin flowing waters | Sacramento/San Joaquin standing waters | South coast flowing waters | South coast standing waters | Wetland
Eremophila alpestris actia	California horned lark	None	None	G5T4Q	S4	Watch List	Marine intertidal & splash zone communities | Meadow & seep
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	None	None	G5T3	S3	Special Concern	Marsh & swamp
*Hydrochara ricksecker*i	Ricksecker's water scavenger beetle	None	None	G2?	S2?	None	Aquatic | Sacramento/San Joaquin flowing waters | Sacramento/San Joaquin standing waters
Hydroporus leechi	Leech's skyline diving beetle	None	None	G1?	S1?	None	Aquatic
Lasiurus blossevillii	western red bat	None	None	G5	S3	Special Concern	Cismontane woodland | Lower montane coniferous forest | Riparian forest | Riparian woodland
Lasiurus cinereus	hoary bat	None	None	G5	S4	None	Broadleaved upland forest | Cismontane woodland | Lower montane coniferous forest | North coast coniferous forest
Laterallus jamaicensis coturniculus	California black rail	None	Threatened	G3G4T1	S1	Fully Protected	Brackish marsh | Freshwater marsh | Marsh & swamp | Salt marsh | Wetland
Lavinia symmetricus ssp. 2	Tomales roach	None	None	G4T2T3	S2	Species of Special Concern	Aquatic | Sacramento/San Joaquin flowing waters
Linderiella occidentalis	California linderiella	None	None	G2G3	S2S3	None	Vernal pool
Melospiza melodia samuelis	San Pablo song sparrow	None	None	G5T2	S2	Special Concern	Salt marsh
Myotis thysanodes	fringed myotis	None	None	G4	S3	None	
Myotis volans	long-legged myotis	None	None	G5	S3	None	Upper montane coniferous forest
Myotis yumanensis	Yuma myotis	None	None	G5	S4	None	Lower montane coniferous forest | Riparian forest | Riparian woodland | Upper montane coniferous forest
Oncorhynchus kisutch	coho salmon - central California coast ESU	Endangered	Endangered	G4	S2?	None	Aquatic
Oncorhynchus mykiss irideus	steelhead - central California coast DPS	Threatened	None	G5T2T3Q	S2S3	None	Aquatic | Sacramento/San Joaquin flowing waters
Pogonichthys macrolepidotus	Sacramento splittail	None	None	GNR	S3	Special Concern	Aquatic | Estuary | Freshwater marsh | Sacramento/San Joaquin flowing waters
Rallus obsoletus obsoletus	California Ridgway's rail	Endangered	Endangered	G5T1	S1	Fully Protected	Brackish marsh | Marsh & swamp | Salt marsh | Wetland
Rana boylii	foothill yellow-legged frog	None	None	G3	S3	Special Concern	Aquatic | Chaparral | Cismontane woodland | Coastal scrub | Klamath/North coast flowing waters | Lower montane coniferous forest | Meadow & seep | Riparian forest | Riparian woodland | Sacramento/San Joaquin flowing waters

APPENDIX B: SPECIAL-STATUS ANIMAL SPECIES LIST

USGS 9-QUADANGLE MAPS- *Sebastopol, Santa Rosa, Kenwood, Two Rock, Cotati, Glen Ellen, Point Reyes NE, Petuluma, Petuluma River*

CNDDB- June 2017

Scientific Name	Common Name	Federeal List	California List	Global Rank	State Rank	Dept. Fish and Wildlife Rank	Habitat
Rana draytonii	California red-legged frog	Threatened	None	G2G3	S2S3	Special Concern	Aquatic | Artificial flowing waters | Artificial standing waters | Freshwater marsh | Marsh & swamp | Riparian forest | Riparian scrub | Riparian woodland | Sacramento/San Joaquin flowing waters | Sacramento/San Joaquin standing waters | South coast flowing waters | South coast standing waters | Wetland
Reithrodontomys raviventris	salt-marsh harvest mouse	Endangered	Endangered	G1G2	S1S2	Fully Protected	Marsh & swamp | Wetland
Riparia riparia	bank swallow	None	Threatened	G5	S2	None	Riparian scrub | Riparian woodland
Spirinchus thaleichthys	longfin smelt	Candidate	Threatened	G5	S1	Special Concern	Aquatic | Estuary
Syncaris pacifica	California freshwater shrimp	Endangered	Endangered	G2	S2	None	Aquatic | Sacramento/San Joaquin flowing waters
Talanites ubicki	Ubick's gnaphosid spider	None	None	G1	S1	None	Ultramafic
Taricha rivularis	red-bellied newt	None	None	G4	S2	Special Concern	Broadleaved upland forest | North coast coniferous forest | Redwood | Riparian forest | Riparian woodland
Taxidea taxus	American badger	None	None	G5	S3	Special Concern	Alkali marsh | Alkali playa | Alpine | Alpine dwarf scrub | Bog & fen | Brackish marsh | Broadleaved upland forest | Chaparral | Chenopod scrub | Cismontane woodland | Closed-cone coniferous forest | Coastal bluff scrub | Coastal dunes | Coastal prairie | Coastal scrub | Desert dunes | Desert wash | Freshwater marsh | Great Basin grassland | Great Basin scrub | Interior dunes | Ione formation | Joshua tree woodland | Limestone | Lower montane coniferous forest | Marsh & swamp | Meadow & seep | Mojavean desert scrub | Montane dwarf scrub | North coast coniferous forest | Oldgrowth | Pavement plain | Redwood | Riparian forest | Riparian scrub | Riparian woodland | Salt marsh | Sonoran desert scrub | Sonoran thorn woodland | Ultramafic | Upper montane coniferous forest | Upper Sonoran scrub | Valley & foothill grassland
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None	None	G2	S2	None	Aquatic | Brackish marsh | Estuary | Lagoon | Marsh & swamp | Salt marsh | Wetland
Vespericola marinensis	Marin hesperian	None	None	G2	S2	None	Chaparral | Meadow & seep | North coast coniferous forest | Riparian woodland

APPENDIX C
PLANT INVENTORY LIST

Appendix C: Plant Inventory List
Dowdell Avenue and Business Park Drive
Rohnert Park, CA

FAMILY	SPECIES NAME	COMMON NAME	NATIVE=N INTRODUCED=I
Apiaceae			
	Daucus carota	wild carrot	I
	Foeniculum vulgare	fennel	I
Asteraceae			
	Helminthotheca echioides	bristly ox tongue	I
	Hypocharis radicata	cats ear	I
	Lactuca serriola	prickly lettuce	I
Convolvulaceae			
	Convolvulus arvensis	bindweed	I
Cruciferae			
	Brassica rapa	field mustard	I
	Raphanus sativus	wild radish	I
Fabaceae			
	Lotus purshianus	trefoil	N
	Medicago polymorpha	bur-clover	I
	Trifolium variegatum	white-tip clover	N
Geraniaceae			
	Erodium cicutarium	redstem filaree	I
	Erodium moschatum	whitestem filaree	I
	Geranium dissectum	wild geranium	I
	Geranium molle	dove's foot geranium	I
Iridaceae			
	Sisyrinchium bellum	blue-eyed grss	N
Lamiaceae			
	Mentha pelugium	pennyroyal	I
Limnanthaceae			
	Limnanthes douglasii	meadow foam	N

FAMILY	SPECIES NAME	COMMON NAME	NATIVE=N INTRODUCED=I
Malvaceae			
	Malva rotundifolia	mallow,cheeses	I
Onagaraceae			
	Epilobium ciliatum	willow herb	N
Pinaceae			
	Sequoia sempervirens	coast redwood	I
Plantaginaceae			
	Plantago lanceolata	English plantain	I
Platanaceae			
	Platanus racemosa	California sycamore	N
Poaceae			
	Avena fatua	wild oat	I
	Bromus diandrus	rip-gut brome	I
	Festuca perennis	perennial rye grass	I
	Hordeum brachyantherum	meadow barley	N
	Hordeum marinum spp. gussoneanum	Mediterranean barley	I
	Pleuropogon californicus	semaphore grass	N
	Vulpia bromoides	six-weeks bromegrass	I
Polygonaceae			
	Polygonum aviculare	common knotweed	I
	Rumex acetosella	sheep sorrel	I
	Rumex crispus	curly dock	I
Primulaceae			
	Anagallis arvensis	scarlet pimpernel	I
Ranunculaceae			
	Ranunculus muricatus	spiny buttercup	I
Rosaceae			
	Rubus armeniacus	Himalayan berry	I
Scrophulariaceae			
	Orthocarpus densiflorus	owl's clover	N
	Parentucellia viscosa	parentucella	I

APPENDIX D

USACE JURISDICTIONAL DETERMINATION LETTER AND WETLAND MAP

DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

REPLY TO
ATTENTION OF

JUN -5 2013

RECEIVED
JUN 06 2013
CITY OF ROHNERT PARK

Regulatory Division

SUBJECT: File Number 2013-00140N

Ms. Marilyn Ponton
City of Rohnert Park
130 Avram Avenue
Rohnert Park, California 94928

Dear Ms. Ponton:

This letter is in response to your request of February 13, 2013, for a preliminary jurisdictional determination for the Dowdell Avenue Extension project site, a 19-acre site consisting of three parcels located to the south of Business Park Drive in the City of Rohnert Park, Sonoma County, California (APNs 143-040-064, 143-040-073, and 143-040-111).

All proposed discharges of dredged or fill material occurring below the plane of ordinary high water in non-tidal waters of the United States; or below the high tide line in tidal waters of the United States; and within the lateral extent of wetlands adjacent to these waters, typically require Department of the Army authorization and the issuance of a permit under Section 404 of the Clean Water Act of 1972, as amended (33 U.S.C. § 1344 *et seq.*). Waters of the United States generally include the territorial seas; all traditional navigable waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including waters subject to the ebb and flow of the tide; wetlands adjacent to traditional navigable waters; non-navigable tributaries of traditional navigable waters that are relatively permanent, where the tributaries typically flow year-round or have continuous flow at least seasonally; and wetlands directly abutting such tributaries. Where a case-specific analysis determines the existence of a "significant nexus" effect with a traditional navigable water, waters of the United States may also include non-navigable tributaries that are not relatively permanent; wetlands adjacent to non-navigable tributaries that are not relatively permanent; wetlands adjacent to but not directly abutting a relatively permanent non-navigable tributary; and certain ephemeral streams in the arid West.

The enclosed map entitled, "Wetland Delineation Map and Preliminary Jurisdictional Determination, Dowdell Avenue Extension Study Area," in one sheet date certified May 23, 2013, depicts our preliminary determination. This preliminary jurisdictional determination is based on the current conditions of the site, as verified during a field investigation of May 1, 2013, and a review of other data included in your submittal. While this preliminary jurisdictional determination was conducted pursuant to Regulatory Guidance Letter No. 08-02, *Jurisdictional Determinations*, it may be subject to future revision if new information or a change in field

conditions becomes subsequently apparent. The basis for this preliminary jurisdictional determination is fully explained in the enclosed *Preliminary Jurisdictional Determination Form*, which has been signed and dated by you and this office.

You are advised that the preliminary jurisdictional determination may **not** be appealed through the U.S. Army Corps of Engineers' *Administrative Appeal Process*, as described in 33 C.F.R. Section 331 (65 Fed. Reg. 16,486; Mar. 28, 2000). Under the provisions of 33 C.F.R Section 331.5(b)(9), non-appealable actions include preliminary jurisdictional determinations since they are considered to be only advisory in nature and make no definitive conclusions on the jurisdictional status of the water bodies in question. However, you may request this office to provide an approved jurisdictional determination that precisely identifies the scope of jurisdictional waters on the site; an approved jurisdictional determination may be appealed through the *Administrative Appeal Process*. If you anticipate requesting an approved jurisdictional determination at some future date, you are advised not to engage in any on-site grading or other construction activity in the interim to avoid potential violations and penalties under Section 404 of the Clean Water Act. Finally, you may provide this office new information for further consideration and request a reevaluation of this preliminary jurisdictional determination.

Should you have any questions regarding this matter, please call Bryan Matsumoto of our Regulatory Division at (415) 503-6786 or by email at bryan.t.matsumoto@usace.army.mil. Please address all correspondence to the Regulatory Division and refer to the File Number at the head of this letter.

The San Francisco District is committed to improving service to our customers. My Regulatory staff seeks to achieve the goals of the Regulatory Program in an efficient and cooperative manner, while preserving and protecting our nation's aquatic resources. If you would like to provide comments on our Regulatory Program, please complete the Customer Service Survey Form available on our website: http://per2.nwp.usace.army.mil/survey.html.

Sincerely,

for Jane M. Hicks
Chief, Regulatory Division

Enclosures

Copy Furnished (w/ delineation map only):

RWQCB, Santa Rosa, CA
Dudek, Auburn, CA (Attn: Markus Lang)

ATTACHMENT

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): May 10, 2013

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:
City of Rohnert Park, 130 Avram Avenue, Rohnert Park, California 94928

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: San Francisco, Dowdell Avenue Extention, 2013-00140N

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: California County/parish/borough: Sonoma City: Rohnert Park
Center coordinates of site (lat/long in degree decimal format):
Lat. 38.3569801182441° N, Long. 122.718215999803° W.
Universal Transverse Mercator: 10
Name of nearest waterbody: Crane Creek

Identify (estimate) amount of waters in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.
Cowardin Class:
Stream Flow:
Wetlands: 0.085 acres.
Cowardin Class:

Name of any water bodies on the site that have been identified as Section 10 waters:

Tidal:

Non-Tidal:

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:
☒ Field Determination. Date(s): May 1, 2013

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site.

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant.

☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- ☐ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.

☐ Data sheets prepared by the Corps:

☐ Corps navigable waters' study:

☐ U.S. Geological Survey Hydrologic Atlas:
- ☐ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.

☒ U.S. Geological Survey map(s). Cite scale & quad name: 1:24K Quad: Cotati.

☐ USDA Natural Resources Conservation Service Soil Survey. Citation:

☐ National wetlands inventory map(s). Cite name:

☐ State/Local wetland inventory map(s):

☐ FEMA/FIRM maps:

☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)

☒ Photographs: ☒ Aerial (Name & Date): Google Maps.
or ☐ Other (Name & Date):

☐ Previous determination(s). File no. and date of response letter:

☐ Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

5/23/13
Signature and date of
Regulatory Project Manager
(REQUIRED)

May 22, 2013
Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining
the signature is impracticable)

Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there *"may be"* waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

Site number	Latitude	Longitude	Cowardin Class	Estimated amount of aquatic resource in review area	Class of aquatic resource
1	See Above	See Above		0.085 acre	Section 404 - Wetland

Preliminary Jurisdictional Determination Pursuant to Section 404 of the Clean Water Act (CWA): The Dowdell Avenue Extension project site located to the south of Business Park Drive in the City of Rohnert Park, Sonoma County, California (APNs 143-040-064, 143-040-073, and 143-040-111).

US Army Corps of Engineers®

All wetlands, as depicted in the legend and on the map, are potential waters of the U.S. All boundaries shown for these features are approximate.

Section 404 of the CWA Jurisdiction reviewed only within the Study Area.

File No: 2013-00140N Date: May 23, 2013 Page 1 of 1

-122.7165 38.3577 decimal degrees

data5
data6
data3
data4
data2
data1

122.7201 38.3556 decimal degrees

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

PREPARED BY:

DUDEK
853 Lincoln Way, Suite 208
Auburn, California 95603
530.887-8500
Contact: Markus Lang

PREPARED FOR:

City of Rohnert Park
130 Avram Avenue
Rohnert Park, CA 94928
Phone: (707) 588-2231
Contact: Darrin Jenkins, Marilyn Ponton

DRAWN BY: M. Lang
DELINEATORS: B. Anderson, M. Lang
DATE OF FIELDWORK: November 9, 2012

USACE REGULATORY FILE#: 2013-00140N
VERIFIED BY: Bryan Matsumoto, Corps of Engineers
DATE OF VERIFICATION: 05/01/13

REVISIONS

DATE	DESCRIPTION	BY
01/18/13	WD draft	M. Lang
05/02/13	WD Revised per B. Matsumoto, Corps of Engineers	M. Lang

WATERS OF THE UNITED STATES

WETLANDS	ACREAGE
Seasonal Wetlands (SW)	0.085
TOTAL	0.085

Feature	Acreage	Sq. Ft.
SW-1	0.020	869
SW-2	0.029	1270
SW-3	0.026	1141
SW-4	0.003	114
SW-5	0.002	95
SW-6	0.005	201
Total	**0.085**	

Study Area (19.20 acres)
Seasonal Wetland
Data Points
Culvert
Control Point

NOTES:
1. Llano de Santa Rosa Land Grant, Township 6N, Range 8W, Section 23 (extended) of the Cotati, CA, USGS 7.5 minute topographic quadrangle
2. Aerial photograph provided by Microsoft Bing Maps 2013.
3. The boundaries and jurisdictional status of all waters shown on this map are subject to verification by the U.S. Army Corps of Engineers.
4. Original map size: 11" x 17"
5. Final map issued after verification.

APPENDIX D

WETLAND DELINEATION MAP and PRELIMINARY JURISDICTIONAL DETERMINATION

Dowdell Avenue Extension Study Area

City of Rohnert Park, Sonoma County, CA

N
W E
S

0 50 100 200
1 inch = 100 feet

Appendix C

Geotechnical Report

GEOTECHNICAL REPORT

Dowdell Industrial Park

Business Park Drive & Dowdell Avenue (APN 143-040-134-000) Rohnert Park, California

November 9, 2017
Project No. 4130



Prepared for
Panattoni Development Co., Inc.
by
Gularte & Associates, Inc.

Gularte
& ASSOCIATES, INC.
Geotechnical Consultants

1049 NICHOLS DRIVE, ROCKLIN, CA 95765
Phone: **916.626.5577**
FAX: 916.626.5533

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Appendix B – Laboratory Testing
Appendix C – Liquefaction Analysis using CLiq Software
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1 INTRODUCTION

Panattoni Development Co., Inc. has retained Gularte & Associates, Inc. to perform a geotechnical report for the Dowdell Industrial project, located at the southwest corner of Business Park Drive and Dowdell Avenue in Rohnert Park, Ca (APN 143-040-134-000). The proposed industrial park encompasses approximately 10.3-acres of open land. To conduct our geotechnical report, we performed the following services:

- Reviewed the site geology and ground water conditions;
- Performed 8 exploratory borings to a maximum depth of 40 feet below grade.
- Performed 8 cone penetrometer tests (CPT's) to a depth of 50 feet to analyze the liquefaction potential at the site.
- Performed 7 moisture/density tests on in situ samples obtained during our subsurface exploration.
- Performed 5 sieve washes over the #200 screen to further classify the native soil.
- Performed engineering analyses and used engineering judgment for earthwork and foundation recommendations in this report.
- Prepared this report with our findings, conclusions, and recommendations.

Structural plans were not available at the time of this report. We recommend that we be retained to review the project grading and structural plans at the 50 to 90 percent stage for compliance with our report. Additionally, we recommend that we be retained to perform soil compaction testing services for trench backfill, building pads and pavement areas.

2 LOCATION, DESCRIPTION, AND PHYSICAL SETTINGS

2.1 LOCATION

Figure 1 is a Vicinity Map of the Dowdell Industrial project located at the southwest corner of Dowdell Avenue and Business Park Drive. The property consists of a rectangular open parcel, 10.3 acres in size. The site is bordered by open land to the north, apartment buildings to the south, a technology manufacturer to the west, and an open parcel to the east. Commercial development exists primarily along Redwood Drive, a frontage road for CA-Highway 101, approximately ¼ mile to the east.

2.2 DESCRIPTION

The site is relatively flat, and covered in short to medium length grass. Drainage appears to be to the east and the north, in the direction of Business Park Drive. The property is currently undeveloped. Proposed development includes two 93,000+/- SF warehouse buildings, with parking along the north, east, and west perimeters of the site. Proposed construction will be precast tilt panels with slab on grade foundations.

2.3 PHYSICAL SETTINGS

2.3.1 Regional Geology

The project site is located within the northern portion of the Coast Ranges Geomorphic Province, a relatively geologically young and seismically active region on the western margin of the North American plate. The province is characterized by northwest-trending ridges and valleys that parallel major folds and strike-slip faults. In general, the Coast Ranges are composed of sedimentary bedrock with layers of recent alluvium filling the intervening valleys (CGS, 2002). Specifically, the project site is near the western edge of the floor of the Petaluma Valley.

2.3.2 Local Geology

The near-surface and subsurface geology of the project site is mapped by the California Geologic Survey (from oldest to youngest) as: 1) the Franciscan Complex bedrock (more than 65-190 million years old), 2) the Sonoma Volcanics (5.5 to 7.1 million years old), 3) the Petaluma Formation (20.5 to 23.0 myo), 4) the Wilson Grove Formation (1.6 to 11.2 myo), and 5) Quaternary-age alluvial and colluvial deposits.

The geologic map of the Santa Rosa 7.5’ quadrangle (and the structure sections) portray the sedimentary and volcanic stratigraphy of the Santa Rosa area and the project Site. The site is located in the California Coast Ranges north of San Francisco Bay and is traversed by the active Rodgers Creek, Healdsburg and Maacama Fault Zones.

Quaternary alluvial and colluvial deposits underlie the project Site. These soils typically consist of layers of silt and clay with isolated lenses of sand and gravel (Huffman and Armstrong, 1980). Colluvial deposits accumulate where weathered

bedrock is present along the base of upland slopes and swales; these are unlikely to be present at the Site based on its location.

2.3.3 Faults And Seismicity

Surface rupture occurs when the ground surface is broken due to fault movement during an earthquake. The location of surface rupture generally can be assumed to be along an active or potentially active major fault trace. No portion of the project Site is located within a fault zone and no active faults have been mapped at the Site. Therefore, potential for fault rupture at the project site is negligible. The closest active faults are the Rodgers Creek Fault and the Maacama Fault Zone. The San Andreas Fault will also influence shaking at the Site due to its proximity.

Ground shaking is a general term referring to all aspects of motion of the earth's surface resulting from an earthquake, and is normally the major cause of damage in seismic events. The extent of ground shaking is controlled by the magnitude and intensity of the earthquake, distance from the epicenter, and local geologic conditions.

The Modified Mercalli Intensity Scale (MMI) is the most commonly used scale for measurement of the subjective effects of earthquake intensity. A related concept, acceleration, is measured as a fraction or percentage of the acceleration under gravity (g). The closest active fault to the project site, the Hayward-Rodgers Creek fault zone, is considered capable of generating a Mm 6.8 earthquake. An earthquake of this magnitude would generate strong to violent seismic shaking (MMI VII to IX) at the project Site. Such ground shaking is expected to result in significant structural damage. This is a potentially significant hazard.

According to the California Geological Survey's 2008 ground motion interpolator (part of the Probabilistic Seismic Hazard Assessment for the State of California), there is a 10 percent probability that the site will experience a peak horizontal ground acceleration of 0.485g in the next 50 years, and a 2 percent probability that the site will experience a peak horizontal acceleration of 0.796g in the next 50 years. This is a relatively high level of ground shaking for California.

2.3.4 Geologic Hazards/Liquefaction Potential

Based on our review of several geologic investigations performed in the vicinity of the Site, there is a low to moderate potential for liquefiable soils to be present. However, the majority of the soils in the Rohnert Park are characterized as fine grained and stiff, and these soils are not typically considered liquefiable. In order to evaluate the liquefaction potential, we advanced eight cone penetrometer tests (CPT's) to a maximum depth of 50 feet below ground surface, (See Figure 2, Site Plan). Using data obtained from the CPT's, we performed a liquefaction analysis using the CLiq software. Our analysis resulted in an average total vertical settlements of approximately 1/3" across all eight CPT's, for a maximum considered earthquake of 6.8 magnitude (See appendix B for full CLiq output). Additionally, our analysis concluded that the overall probably for liquefaction was

considered to be low, between 4.5% and 6% (excluding CPT-3 as an outlier). As such, in our opinion the proposed development is at a low risk for liquefaction.

Landslides and other forms of slope failure form in response to the long-term geologic cycle of uplift, mass wasting, and disturbance of slopes. Mass wasting refers to a variety of erosional processes from gradual downhill soil creep to mudslides, debris flows, landslides and rock fall—processes that are commonly triggered by intense precipitation, which varies according to climactic shifts. Often, various forms of mass wasting are grouped together as landslides, which are generally used to describe the downhill movement of rock and soil.

Geologists classify landslides into several different types that reflect differences in the type of material and type of movement. The four most common types of landslides are translational, rotational, earth flow, and rock fall. Debris flows are another common type of landslide similar to earth flows, except that the soil and rock particles are coarser. Mudslide is a term that appears in nontechnical literature to describe a variety of shallow, rapidly moving earth flows.

The project vicinity is characterized by flat relief. The project site is not located within an area identified as being susceptible to landslides. This condition precludes the possibility of earthquake-induced landslides inundating the project site. No impacts would occur.

2.3.5 Groundwater

The Site lies within the Santa Rosa Hydrogeologic Unit. The colluvial/alluvial deposits are fine grained and discontinuous, and typically not a reliable source of groundwater. Where present, groundwater is located from near surface to about 12 feet below ground surface (bgs). We encountered subsurface water at a depth of 18’, 9’, 7’, 5’ and 5’ in borings B1, B3, B5, B7, & B8 respectively. Groundwater primarily is present in fractures present in the Franciscan Formation, at depths of 10 to 75 feet bgs.

3 FINDINGS AND CONCLUSIONS

3.1 SUBSURFACE CONDITIONS

We performed eight exploratory borings to a maximum depth of 40 feet below ground surface to classify the soil type, density, SPT N-value, and obtain samples for laboratory testing. The findings in the borings were generally consistent across the site.

In general, we observed medium brown low plasticity clays in the upper 10 feet, underlain by blue, high plasticity clays down to the bottom of the borings. We noted that gas was bubbling up from 40' BGS to the static groundwater level of 18' BGS in Boring B1. We also noted a sulphur smell at 30' BGS in boring B7.

We performed pocket penetrometer tests on in situ tube samples obtained in the field, with values between 1.5 and 4.5 tons per square foot (tsf) unconfined compressive strength. Boring locations are shown in Figure 2, Site Plan. The boring logs are shown in detail in Appendix A.

3.2 LABORATORY TESTING

To evaluate the expansion potential of the native soil, we performed an Expansion Index (EI) test. The Expansion Index test resulted in an EI of 103 for a soil sample obtained from the upper 2 feet of Boring B5. This indicates a high expansion potential.

Moisture/density tests were performed on 2.5" brass tube samples obtained in the field. The results of these tests are shown in the table below.

Boring	Depth (feet)	Percent Moisture	Dry Soil Density (pcf)
B1	2.5	25	96
B2	10	28	90
B3	25	28	94
B5	2.5	19	87
B5	20	21	102
B6	10	21	96
B7	2.5	24	100

Table 1 – Moisture/Density Tests on Brass Tube Samples

We also performed sieve washes over the #200 screen to further classify the native soil. Our results indicate sandy clays in the upper 10 feet, with fat clays below as noted in section 3.1. See results on the following page.

Boring	Depth (feet)	Percent Passing #200 Sieve
B1	5	63
B2	20	88
B5	5	63
B6	5	60
B7	15	62

Table 2 – Sieve Wash Over #200 Screen

3.3 EXISTING FILL

We did not encounter significant existing fill during our subsurface exploration.

3.4 EXCAVATION EFFORT

Based upon our borings, conventional grading equipment should be able to excavate the on site soil with reasonable expectations.

3.5 SUITABILITY FOR CONSTRUCTION

From an earthwork, pavement, and foundations viewpoint, we recommend lime treatment of the site due to highly expansive clay prevalent throughout the site.

We encountered what we believe are pockets of natural gas at a depth of 40’ and 30’ below ground surface in borings B1 and B7, respectively. This is outside our scope and expertise. We recommend retaining the services of an environmental consultant to examine the nature of the gas encountered during our subsurface exploration, and any impacts this would have to the project.

High groundwater was encountered in our exploratory borings. For this reason, we recommend the use of a 15-mil vapor barrier, such as Stego-Wrap per section 5.2. Utility excavations may require dewatering as well.

4 EARTHWORK RECOMMENDATIONS

4.1 NATIVE AND IMPORT FILL MATERIAL

On-site soil (less debris and organic materials) are considered suitable as fill material. Imported fill materials should have a plasticity index less than 12 and a maximum particle size of 2 inches. Allow Gularte & Associates 48 hours to sample and test proposed import fill materials prior to delivery at the site.

4.2 CLEARING AND GRUBBING

The site was covered in green, medium length grass at the time of our exploration. This material should be stripped and hauled off site or placed in landscape areas prior to mass grading.

4.3 FILL COMPACTION/BUILDING PAD PREPARATION

After clearing and grubbing, scarify the original grade to prepare for structural fill. Scarification should include ripping and moisture conditioning of the upper 12 inches of the site prior to compacting. The native grade should be moisture conditioned to within 0 to +4 percent of optimum moisture content. After moisture conditioning, compaction should be done with dedicated compaction equipment. Once compaction testing has been performed on the original grade, fill placement may commence.

Fill should be moisture conditioned to within 0 to +4 percent of optimum water content. Compact fills for structural areas such as pavements and building pads to 88 to 92 percent relative compaction per ASTM D1557. Compaction should be done with dedicated compaction equipment.

Compact the upper 6 inches of pavement subgrade and aggregate baserock to at least 95 percent relative compaction per ASTM D1557.

We strongly recommend that you retain our firm to check that existing grade has been prepared properly, and test fill placement every 12 to 18 inches to check that the soil has been compacted adequately during the grading operation.

4.4 LIME TREATMENT

Due to the highly expansive native clay, lime treatment of the site is recommended in all structural areas to mitigate damage to foundations and pavements. Please contact our office for specific lime treatment recommendations to be issued as an addendum to this report.

4.5 TRENCH BACKFILL

The contractor is responsible for conducting all trenching and shoring in accordance with CALOSHA requirements. Place and compact trench backfill as follows:

- Trench backfill should have a maximum particle size of 2 inches;

- Moisture condition trench backfill to within 0 to +4 percent of optimum water content; moisture condition backfill outside the trench.
- Place fill in loose lifts not exceeding 12 inches for backhoes and 18 inches for large excavators.
- Compact fill to 90 percent relative compaction per ASTM D1557.
- Jetting of trench backfill is not acceptable except in joint utility trenches where damage to conduits makes mechanical compaction methods impractical.
- Trench excavations deeper than 5 feet may require dewatering due to high groundwater.

4.6 SLOPES

Construct final slope gradients to 3:1 (horizontal:vertical) or flatter. Slope faces should be compacted and vegetated to reduce the effects of rutting from rainfall and overland water flow. Construct a keyway at the toe of the fill slope and at least 2 feet deep on the downhill side of the key. The keyway should be a minimum of 12 feet wide and sloped back into the slope at a minimum 5% slope. In order to remove loose soil/rock, excavate benches into competent material after engineered fill has been placed in the keyway per our recommendations. Benches should be cut into the existing slope as filling proceeds every 2 to 4 feet vertically and 4 to 8 feet wide into the slope, to remove loose soil/rock. We recommend that buildings have a minimum setback of 5 feet from ascending slopes and 10 feet from descending slopes, or as outlined in section 1808A.7 of the 2016 California Building Code. The setback is measured from the outermost footing line closest to the toe/hinge point of slope. Gularte & Associates, Inc. should be retained to check footing dimensions, and their orientation to nearby slopes for conformance with the recommendations contained in this report.

4.7 SITE DRAINAGE

Surface drainage design should include the following:

1. Slope concrete pavement areas at least ½ percent and asphalt concrete pavements at least ½ and preferably 1 percent to extend pavement life. Do not allow water to pond on pavement areas.
2. If soil surrounds the building, discharge roof down spouts to storm drain system. Where soil surrounds the building, provide a 5 percent slope away from building exteriors for a distance of at least 3 feet.
3. Direct sprinklers away from buildings. Use drip irrigation near the structure and pavements. Excess watering increases to risk of premature pavement failure and shrink/swell underneath the structure.

5 FOUNDATION RECOMMENDATIONS

5.1 FOUNDATIONS

The proposed structures can be supported on continuous or isolated spread footings bearing in competent native soil or compacted fill per our recommendations in Section 4. Continuous footings should be at least 18 inches wide and at least 18 inches deep below adjacent pad grade. Spread footings should be at least 24 inches wide and 18 inches deep below finished pad grade (not including crushed rock or pavement).

Table 2 below provides maximum allowable bearing capacity for dead plus live loads. These bearing capacities may be increased by one-third for the short-term effects of wind or seismic loading.

Minimum Footing Dimensions	Allowable Bearing Capacity (PSF)
Strip Footings 12” W x 24” Deep	2,800
Spread Footing 18” W x 24” Deep	3,000

Table 3 –Footing Parameters

Provide minimum steel reinforcing in strip footings of three #4 bars top and three #4 bars bottom. More may be required by the structural engineer

Lateral loads may be resisted by friction along the base of footings and by passive pressure along the face of footings. The passive pressure is based on an equivalent fluid pressure in pounds per cubic foot (pcf). We recommend a passive lateral pressure of 350 pcf and a coefficient of friction equal to 0.30 for design. If passive resistance and friction are combined to resist lateral loads, we recommend that the passive pressure be reduced by one-half.

Due to the expansion potential of the native soil, footing lines should be kept neat to avoid “mushrooming” of footings. We also don’t recommend oversizing the footings for this reason; higher bearing pressure is preferred.

We recommend that footing excavations be moisture conditioned 24 hours prior to concrete placement. Proper moisture conditioning will be checked by being able to probe the footing excavations 8 to 12 inches prior to concrete placement. We should be retained to probe footings prior to pouring concrete.

Provided our recommendations are followed, total ***static*** settlement beneath the footings should be no more than 1-inch, with an estimated maximum differential settlement of ½-inch over a distance of 15 feet. Refer to section 2.3.4 for seismically induced settlement.

Utility excavations parallel to footing lines should be clear of a 1:1 (horizontal:vertical) plane projected downward from the base of footings. Where utility lines cross footings, they should be sleeved and footings deepened as appropriate.

5.2 SLAB ON GRADE

We recommend the following for slabs-on-grade:

1. Place 6 inches of Caltrans Class II aggregate baserock (AB) compacted to at least 95% relative compaction.
2. Place a minimum 15-mil Stego Wrap vapor barrier between the pad and AB or alternatively over the AB. Pouring slab directly on vapor barrier in warm weather could be problematic for proper curing of slab; contractor to take necessary precautions.
3. Provide a minimum concrete thickness of 7 inches.
4. Reinforce slabs with No. 4 reinforcing bars placed on 24-inch centers each way or alternatively No. 3 reinforcing bars placed on 16 inches each way. Place dobies per ACI; we recommend a maximum dobie spacing of 6' on center, each way.
5. Use a concrete water-cement ratio of 0.50 or less for the slab; may be further modified by structural engineer requirements.
6. Use higher strength concrete, minimum 3,500 psi for the slab only; may be further modified by structural engineer requirements.
7. *Due to native highly expansive clays, lime treatment 12" – 18" deep is required.*

Slab thickness and reinforcing steel requirements above are provided for purposes of resisting soil expansion potential. The structural engineer may increase these parameters based on building loads or anticipated building use. The structural engineer should provide final design thickness and additional reinforcement, if necessary, for the intended structural loads.

Exterior Flatwork: Exterior flatwork includes items such as concrete sidewalks, steps, and outdoor courtyards exposed to foot traffic only. Provide a minimum concrete flatwork thickness of 4 inches.

5.3 RETAINING WALL PARAMETERS

Provided that adequate drainage is included, we recommend that walls subjected to active soil pressure be designed to resist an equivalent fluid pressure of 45 pounds per cubic foot (pcf). For at-rest conditions, we recommend an at-rest fluid pressure of 65 pcf with level backfill conditions. Retaining wall backfill should be predominantly granular, non-expansive backfill. Generally, we expect horizontal movements for retaining walls under active pressure conditions to rotate laterally an amount equal to 1% of the height of the wall.

The above lateral earth pressures assume sufficient drainage behind the walls to prevent any build-up of hydrostatic pressures (i.e. sump) from surface water infiltration and/or a rise in the ground water level. Drainage of the walls may be accomplished by one of the following methods:

1. Clean drain rock wrapped in Mirafi 140N non-woven filter fabric or equivalent as approved by our office. Drain rock should be ¾ to 1-1/2 inch in size and

should have less than 5% passing the No. 200 sieve. Rock can be crushed or rounded. Drain rock should be 12 inches wide and extend to within 12 inches of subgrade.

2. Caltrans Class II Permeable material placed 12 inches wide and extended to within 12 inches of subgrade. The Caltrans Class II Permeable is self filtering; and as such a geotextile filter fabric is not necessary.

3. Geocomposite drainage can be used in lieu of crushed rock. We commonly recommend American Wick Drain Sitedrain 96 geocomposite drainage board. The product should be installed per the manufacturer's directions. We recommend the wider drainage board be placed in the lower 2 feet of the wall. It is important that the proper transition pieces are used to transition from the geocomposite to 4-inch tight pipe for outletting purposes.

In either of the above cases, we recommend waterproofing of the walls with a product such as Sonneborne 5000 or equivalent as reviewed and approved by our office in writing. Waterproofing should be applied per the manufacturer's instructions.

Water collected at the bottom of the drain system should be transmitted away from the wall by a perforated pipe or weep holes. The pipe should be at least four inches in diameter with the perforations placed down (lettering typically on top). The pipe should daylight to a lower grade or connect to a sump, storm drain, or other suitable disposal facility. If adequate drainage is not provided, we recommend that an additional equivalent fluid pressure of 40 pcf be added to the values recommended above.

5.4 2016 CBC SEISMIC PARAMETERS

We provide the 2016 California Building Code parameters in the table below.

Categorization	Design Value
Site Latitude	38.357694° N
Site Longitude	122.717971° W
Site Class	D
Mapped Acceleration Parameter (S_S)	1.600g
Mapped Acceleration Parameter (S_1)	0.627g
Site Class Factor, Fa	1.0
Site Class Factor, Fv	1.5
Spectral Response Acceleration (S_{MS})	1.600g
Spectral Response Acceleration (S_{M1})	0.941g
Design Spectral Response Acceleration (S_{DS})	1.067g
Design Spectral Response Acceleration (S_{D1})	0.627g

Table 4 – CBC Seismic Parameters

5.5 PAVEMENT DESIGN

5.5.1 Asphalt Concrete Pavement

We prepared several different asphalt pavement sections as shown in the table below. Our design was based on an R-value of 5 and Procedure 608 of the Caltrans Highway Design Manual. *This pavement design is for untreated subgrade. Please contact our office for an alternative pavement design for lime-treated subgrade*.

	Traffic Index			
	4	**4.5**	**5**	**6**
Asphalt Concrete (in)	2.5	2.5	3	3.5
Aggregate Base (in)	8	9	10	13

Table 5 – Pavement Sections

5.5.2 Concrete Pavement Design

Trash enclosures may consist of 6" of concrete over 6" of aggregate base compacted to at least 95% relative density per ASTM D1557. For other onsite concrete pavement design with specific requirements, please contact our firm.

5.6 SPECIAL INSPECTIONS

We recommend the following minimum special inspections as part of the grading and foundation portions of the project. The project architect, governing agency, or structural engineer may require other inspections.

- Compaction testing during grading.
- Observe lime treatment process.
- Observation of footing excavations.
- Observation of slab reinforcing steel.
- Observation, sampling, and testing of concrete during the slab and footing pours.

6 LIMITATIONS

The scope of this evaluation was limited to an evaluation of the load-carrying capabilities and stability of the subsoils. Oil, hazardous waste, radioactivity, irritants, pollutants, molds, or other dangerous substance and conditions were not the subject of this study. Their presence and/or absence is not implied or suggested by this report, and should not be inferred.

The accompanying report summarizes the findings and opinions of Gularte & Associates, Inc. Our findings and opinions are based on information obtained on given dates by borings, laboratory testing, engineering judgment, and analyses.

The analyses, conclusions, and recommendations contained in our report are based on site conditions as they existed at the time of our study, and further assume that probes such as exploratory borings are representative of the subsurface conditions throughout the site; i.e., the subsurface conditions everywhere are not significantly different from those disclosed by the probes.

If during construction different subsurface conditions from those encountered during our exploration or different from those assumed in design are observed or appear to be present, or where variations from our design recommendations are made, we must be advised promptly so that we can review these conditions and modify the applicable recommendations if necessary. We cannot be held responsible for differing site conditions, changes in design, or modified geotechnical recommendations not brought to our attention.

Soil conditions cannot be fully determined by borings and, therefore, unanticipated soil conditions are commonly encountered. Such unexpected soil conditions often require that additional expenditures be made to attain a properly constructed project. Therefore, some contingency funding is recommended to accommodate potential extra costs.

Foundation dimensions, minimum slab thickness, and reinforcing details recommended herein are based upon geotechnical and construction considerations and are not offered in lieu of foundation design by an engineer. A determination of flooding potential, the existence of wetlands, or corrosive soil was beyond the scope of this report.

This geotechnical study did not include an investigation regarding the existence, location, or type of possible hazardous materials. If an investigation is necessary, we should be advised. In addition, if any hazardous materials are encountered during construction of the project, the proper regulatory officials should be notified immediately.

This report was prepared for the specific use of our client and applies only to the subject property. We are not responsible for interpretations by others of data presented in this report. This report is not a legal opinion. No warranty is expressed or implied. We base our conclusions in this report on judgment and experience. We performed this work in accordance with generally accepted standards of practice existing in northern California at the time of the report.

Gularte & Associates, Inc. is not an expert on mold prevention. If particular recommendations are desired to prevent mold, we recommend that you contact an expert in that field.

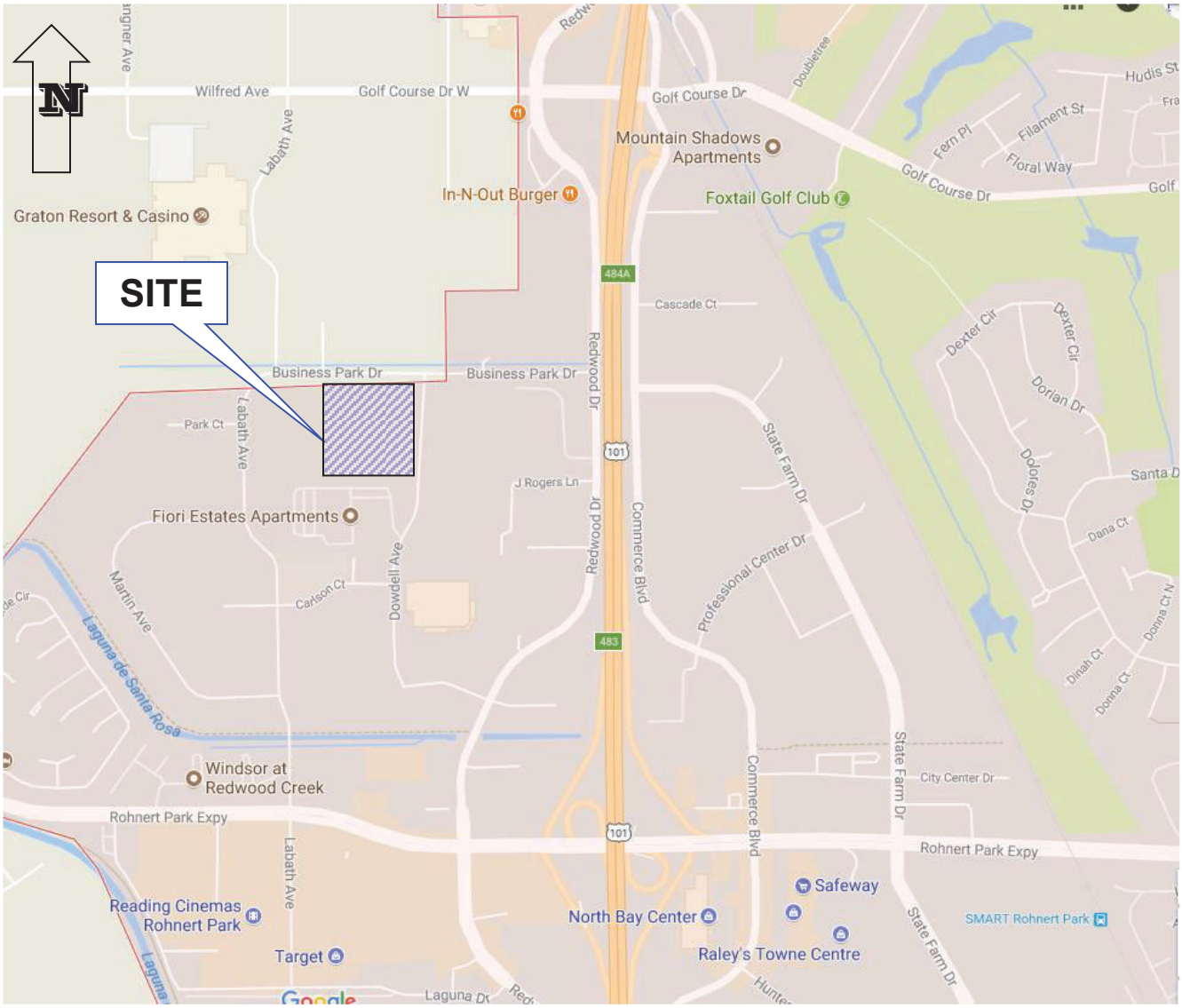
FIGURES

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Figure 3 – Seismic Hazard Map

Figure 4 – Geologic Map

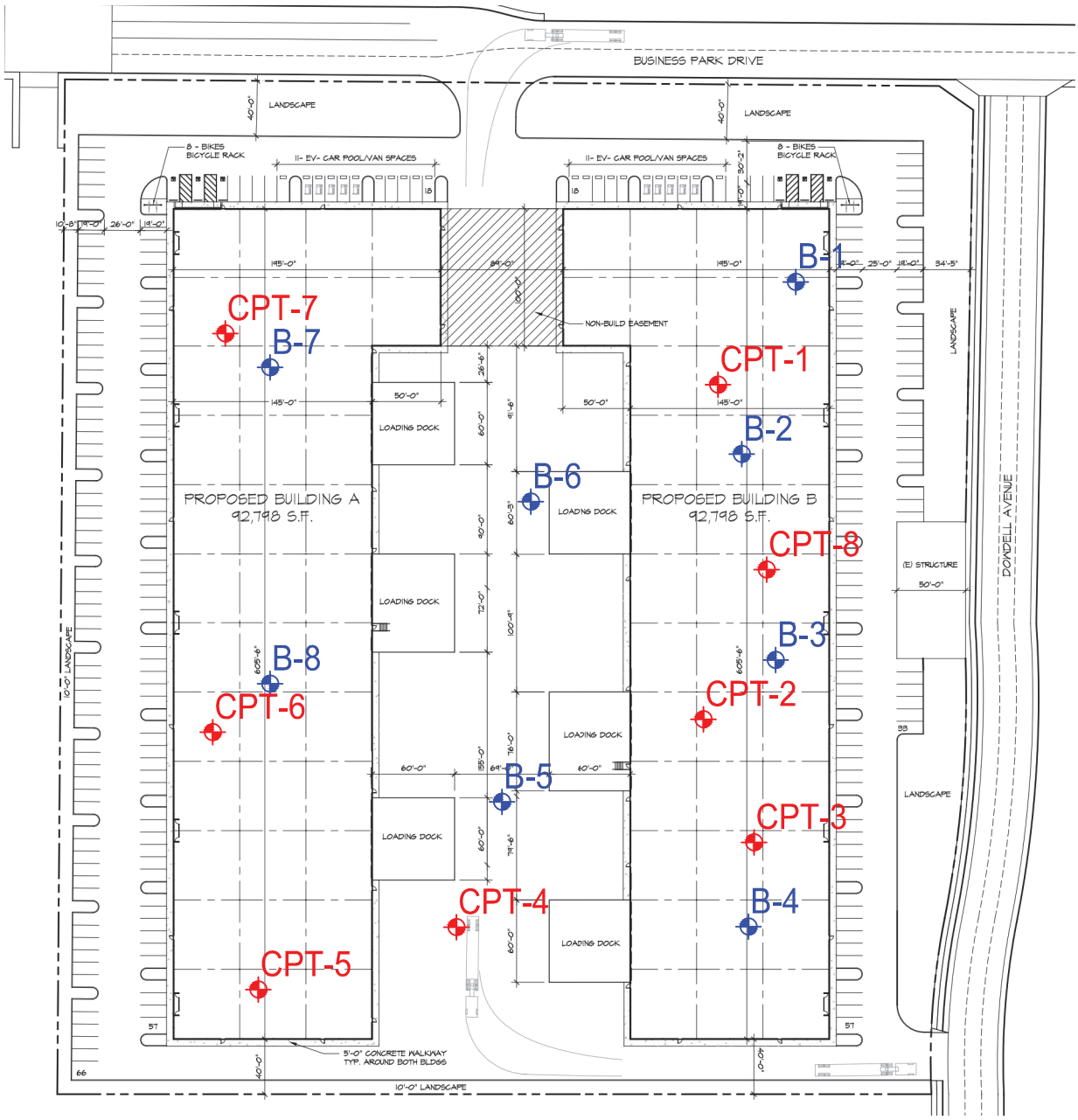


Vicinity Map

Dowdell Industrial Park – Rohnert Park

Gularte & ASSOCIATES INC.
Geotechnical Consultants

November 2017	Job No. 4130	Figure 1



LEGEND:

B-1 BORING LOCATION

CPT-1 CONE PENETRATION TEST LOCATION

NORTH

REFERENCE:

SITEPLAN

DOWDELL INDUSTRIAL PARK - ROHNERT PARK

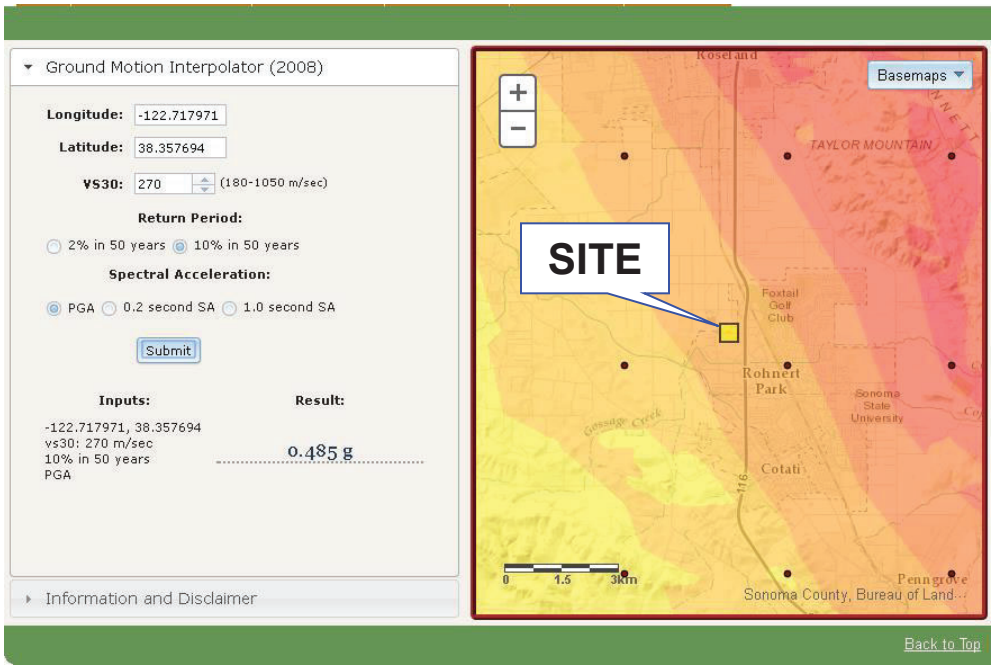
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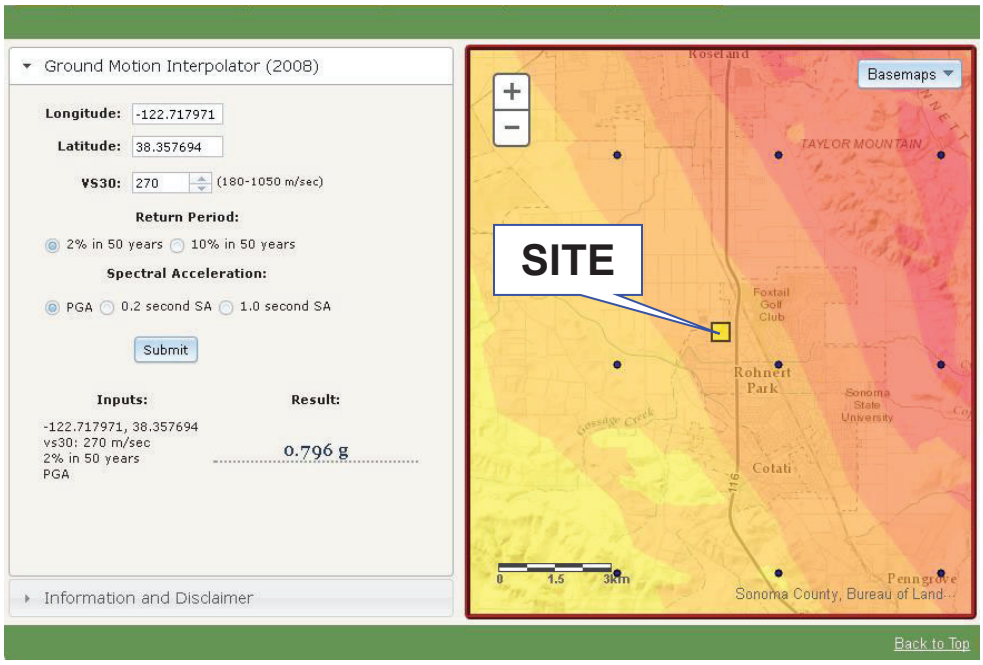
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REV. DATE: OCT. 27, 2017

Figure 2



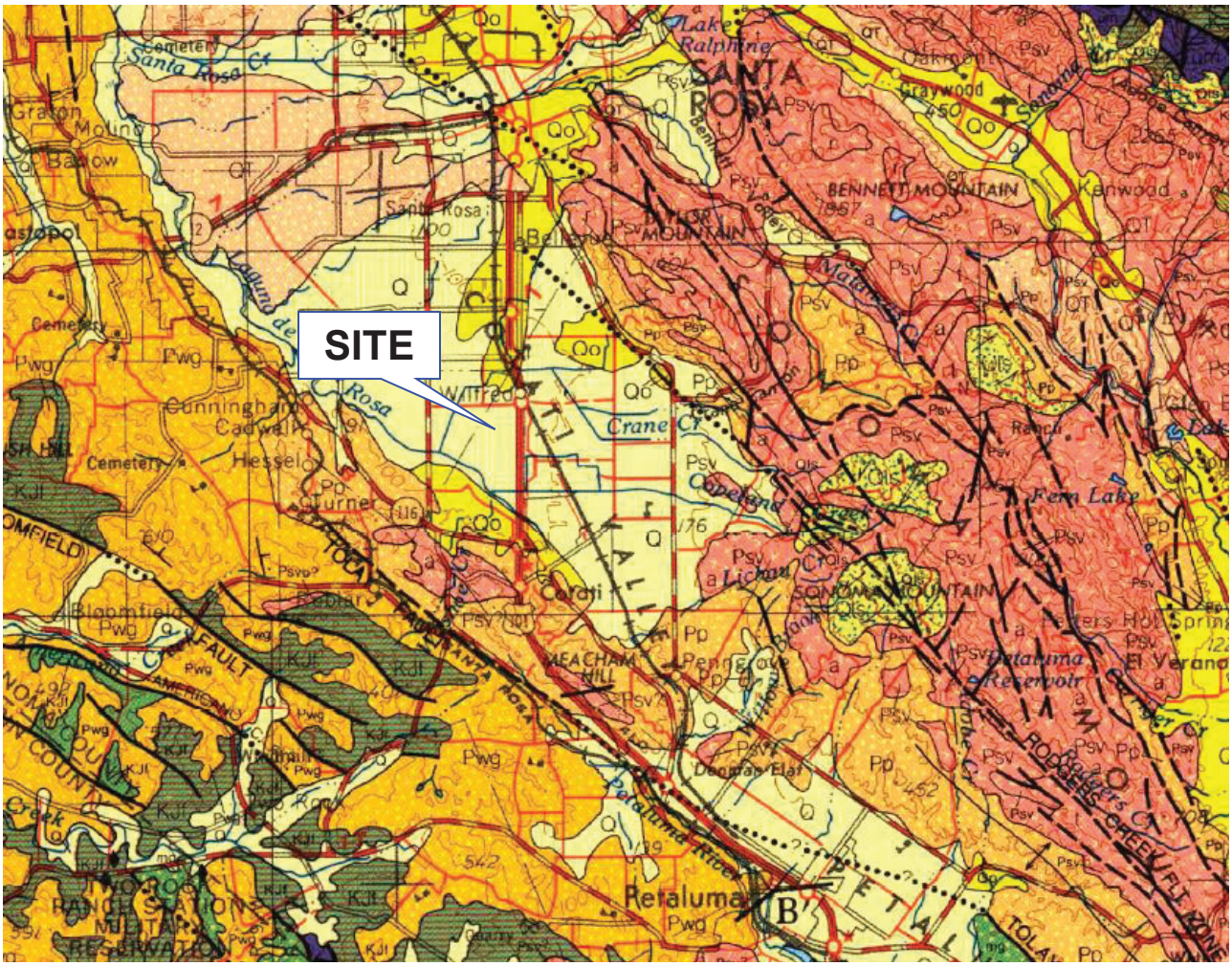


Seismic Hazard Map

Dowdell Industrial Park – Rohnert Park

Gularte & ASSOCIATES INC. Geotechnical Consultants

November 2017	Job No. 4130	Figure 3



Geologic Map

Dowdell Industrial Park – Rohnert Park

Gularte & ASSOCIATES INC. Geotechnical Consultants

November 2017	Job No. 4130	Figure 4

APPENDIX A

Boring Logs

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/24/17

Gularte & Associates, Inc.

Boring B-1

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0					
	B1-1	9/8/13	CAL		CL: OLIVE BROWN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 2.0 TSF
5	B1-2	4/5/6	SPT		CL: OLIVE BROWN SANDY CLAY; STIFF; DAMP
10	B1-3	5/7/11	CAL		CL: TAN RUST MOTTLED SILTY CLAY; STIFF; MOIST; POCKET PEN. = 3.5 TSF
15	B1-4	3/3/4	SPT		CL: REDDISH BROWN CLAY W/ SAND+GRAVEL; MED. STIFF; MOIST; TRANS. TO POORLY GRADED SAND (SP) IN SHOE
▼ 20	B1-5	10/14/20	--		SP: NO SAMPLE DUE TO WET POSSIBLY HEAVING SANDS
25	B1-6	4/8/8	CAL		CH: RED AND BLUE HIGH PLASTICITY CLAY; STIFF; MOIST; POCKET PEN. = 1.5 TSF
30	B1-7	5/6/9	SPT		CH: BLUE CLAY; VERY STIFF; MOIST
35					Gas: NO SAMPLE; GAS BUBBLING FROM 40' BGS TO STATIC GROUNDWATER LEVEL @ 18' BGS
40	B1-8	NO SAMPLE	--		

SPT or Cal Mod "N" Value (Uncorrected)

0 20 40 60 80 100

Depth (feet): 0, -5, -10, -15, -20, -25, -30, -35, -40

Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

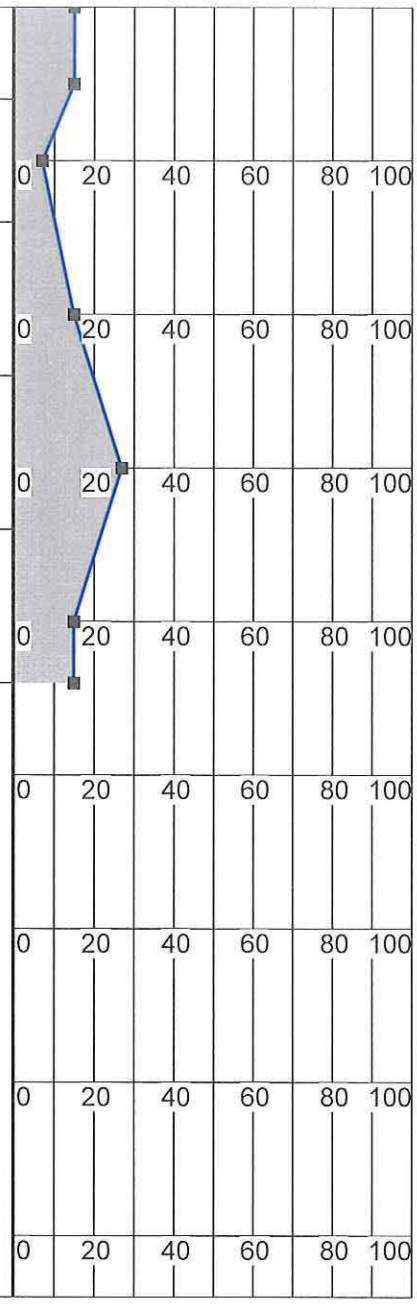
Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/24/17

Gularte & Associates, Inc.

Boring B-2

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0	B2-1	7/7/8	CAL		CL: OLIVE BROWN SILTY SANDY CLAY; STIFF; DAMP
5	B2-2	2/3/4	SPT		CL: LIGHT BROWN SANDY CLAY; MED. STIFF; WET
10	B2-3	4/6/9	CAL		CL: BROWN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 2.75 TSF
15	B2-4	11/11/16	CAL		CL: BROWN SANDY CLAY; STIFF; MOIST; TRANS. TO BLUE CLAYEY SAND @ 16.5' BGS; POCKET PEN. > 4.5 TSF
20	B2-5	4/6/9	SPT		CL: BLUE SILTY CLAY; VERY STIFF; MOIST
25					
30					
35					
40					

SPT or Cal Mod "N" Value (Uncorrected)



Depth (feet)

Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/24/17

Gularte & Associates, Inc.

Boring B-3

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0					
5	B3-1	5/5/8	CAL		CL: TAN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 2.5 TSF
10	B3-2	4/4/9	SPT		SC: LIGHT BROWN CLAYEY SAND; MED. DENSE; MOIST
15	B3-3	6/9/10	CAL		CL: BROWN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 3.75 TSF
20	B3-4	5/7/8	SPT		CL: BLUE CLAY; VERY STIFF; MOIST
25	B3-5	5/9/10	CAL		CH: BLUE CLAY; STIFF; MOIST; POCKET PEN. = 2.5 TSF
30	B3-6	9/13/18	SPT		SC: BLUE CLAYEY SAND; DENSE; MOIST
35					
40					

SPT or Cal Mod "N" Value (Uncorrected)

0 20 40 60 80 100

Depth (feet)

0 -5 -10 -15 -20 -25 -30 -35 -40

Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

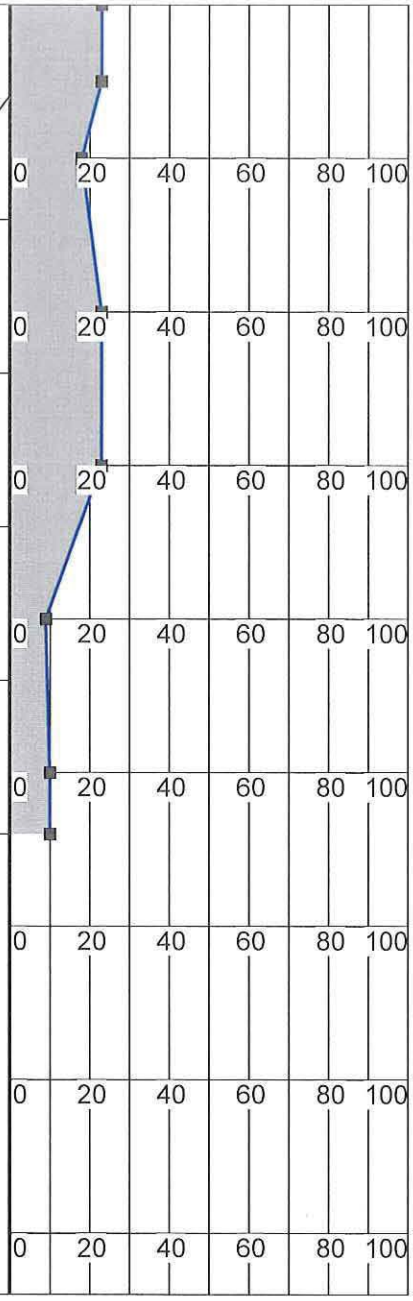
Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/24/17

Gularte & Associates, Inc.

Boring B-4

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0	B4-1	7/9/14	CAL		CL: TAN/LIGHT BROWN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 2.0 TSF
5	B4-2	4/6/12	SPT		CL: LIGHT BROWN SANDY CLAY; VERY STIFF; DAMP
10	B4-3	7/11/12	CAL		SC: LIGHT BROWN CLAYEY SAND; MED. DENSE; DAMP; POCKET PEN. = 3.0 TSF
15	B4-4	--			
20	B4-5	6/4/5	SPT		CL: BLUE SILTY CLAY; STIFF; MOIST
25	B4-6	4/4/6	SPT		CH: BLUE CLAY; STIFF; MOIST
30					
35					
40					

SPT or Cal Mod "N" Value (Uncorrected)



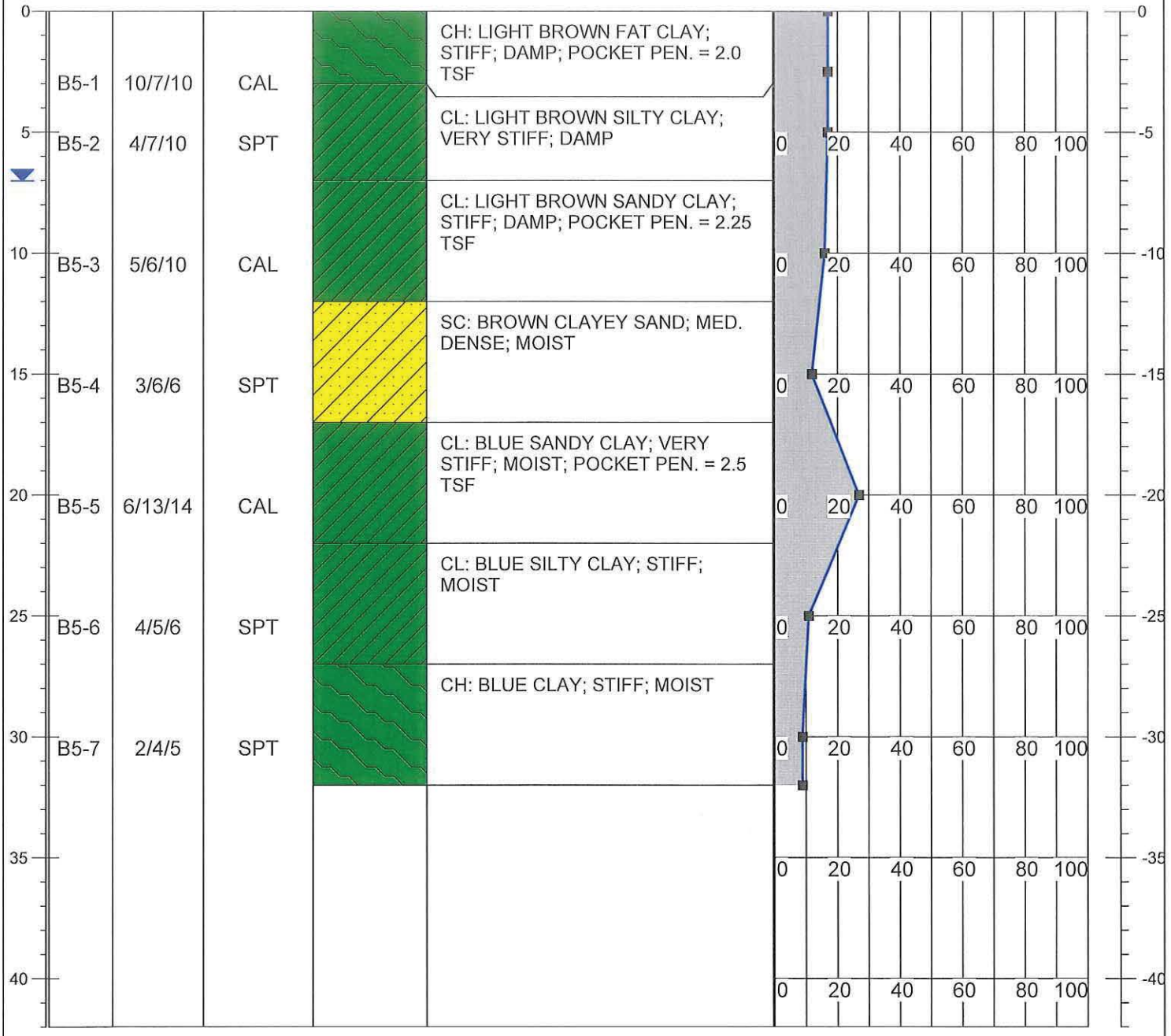
Depth (feet): 0, -5, -10, -15, -20, -25, -30, -35, -40

Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/25/17

Boring B-5

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0	B5-1	10/7/10	CAL		CH: LIGHT BROWN FAT CLAY; STIFF; DAMP; POCKET PEN. = 2.0 TSF
5	B5-2	4/7/10	SPT		CL: LIGHT BROWN SILTY CLAY; VERY STIFF; DAMP
10	B5-3	5/6/10	CAL		CL: LIGHT BROWN SANDY CLAY; STIFF; DAMP; POCKET PEN. = 2.25 TSF
15	B5-4	3/6/6	SPT		SC: BROWN CLAYEY SAND; MED. DENSE; MOIST
20	B5-5	6/13/14	CAL		CL: BLUE SANDY CLAY; VERY STIFF; MOIST; POCKET PEN. = 2.5 TSF
25	B5-6	4/5/6	SPT		CL: BLUE SILTY CLAY; STIFF; MOIST
30	B5-7	2/4/5	SPT		CH: BLUE CLAY; STIFF; MOIST
35					
40					



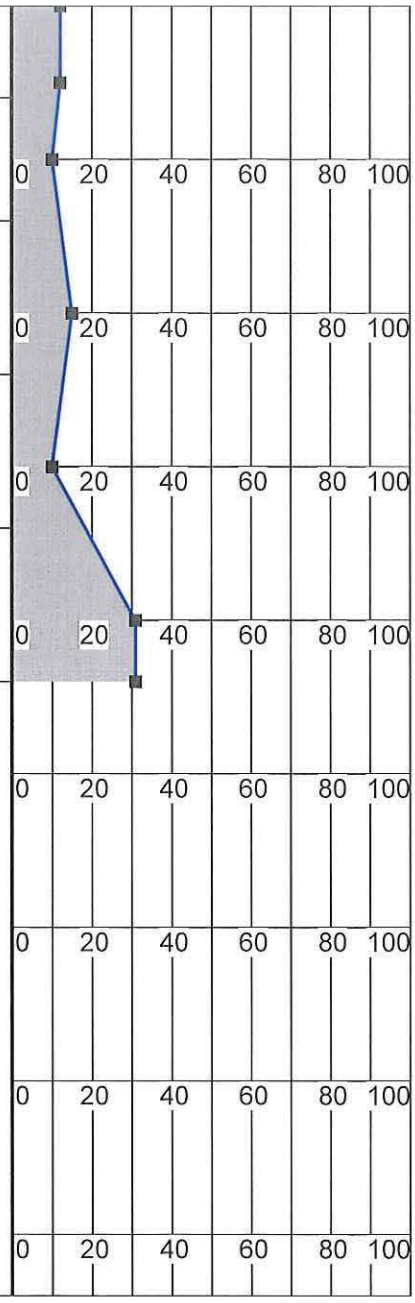
Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/25/17

Gularte & Associates, Inc.

Boring B-6

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0	B6-1	6/5/7	CAL		CH: BLUE/BLACK FAT CLAY; STIFF; DAMP; POCKET PEN. = 1.25 TSF
5	B6-2	3/4/6	SPT		CL: BLACK SILTY CLAY; MED. STIFF; DAMP
10	B6-3	4/7/8	CAL		CL: LIGHT BROWN SANDY SILTY CLAY; STIFF; MOIST; POCKET PEN. = 1.75 TSF
15	B6-4	4/5/5	SPT		CL: LIGHT BROWN SANDY CLAY; STIFF; MOIST
20	B6-5	6/13/18	CAL		CL: BLUE SANDY CLAY; VERY STIFF; MOIST; POCKET PEN. = 4.0 TSF
25					
30					
35					
40					



Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/25/17

Gularte & Associates, Inc.

Boring B-7

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0	B7-1	8/12/16	CAL		CL: LIGHT BROWN SANDY CLAY; VERY STIFF; DAMP; POCKET PEN. > 4.5 TSF
5	B7-2	4/4/6	SPT		CL: LIGHT BROWN CLAY W/ FINE SAND; STIFF; MOIST
10	B7-3	5/5/7	CAL		SC: MED. BROWN CLAYEY SAND; LOOSE; MOIST
15	B7-4	4/3/5	SPT		CL: MED. BROWN SANDY CLAY; STIFF; MOIST
20	B7-5	6/8/13	CAL		CL: BLUE CLAY; STIFF; MOIST; POCKET PEN. = 3.75 TSF
25	B7-6	4/5/4	SPT		CH: BLUE CLAY; STIFF; MOIST; VENTING GAS & STRONG SULPHUR SMELL @ 30' BGS
30					
35					
40					

SPT or Cal Mod "N" Value (Uncorrected)

0 20 40 60 80 100

Depth (feet): 0, -5, -10, -15, -20, -25, -30, -35, -40

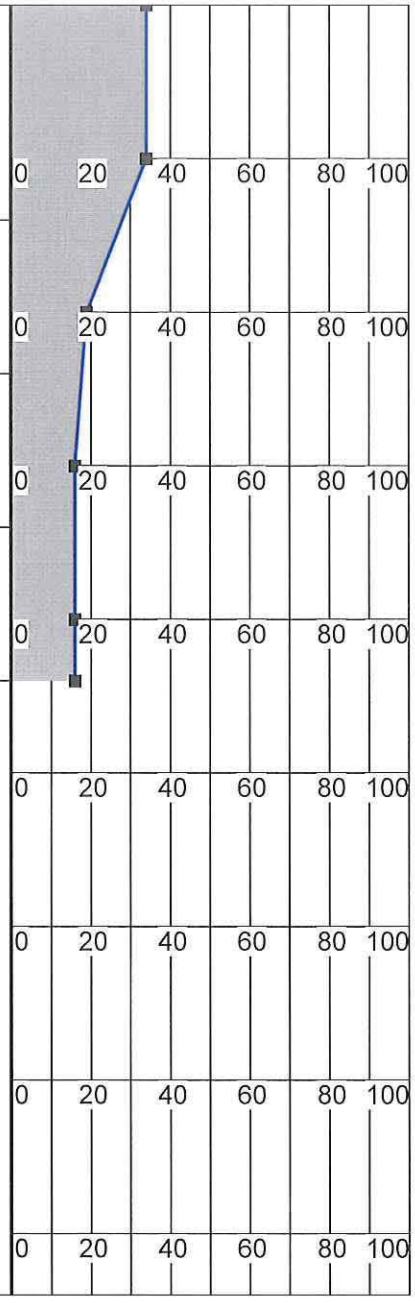
Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

Auger	Solid Stem Auger	**Project No.**	4130
Size	6"	**Project Name**	Dowdell Industrial
Drill	CME 75	**Elevation**	N/A
Logged By	Mark Shinn	**Date**	5/25/17

Gularte & Associates, Inc.

Boring B-8

Depth (feet)	Sample No.	SPT/Cal Mod N-Value	Sample Type	Lithology	LITHOLOGIC DESCRIPTION
0					
5	B8-1	4/11/23	CAL		CL: BLUE CLAY; VERY STIFF; MOIST; POCKET PEN. = 4.25 TSF
10	B8-2	4/6/13	SPT		SC: BROWN SANDY CLAY; VERY STIFF; MOIST; TRANS. TO WELL GRADED SAND @ 11.5' BGS
15	B8-3	9/8/8	CAL		CL: BROWN SANDY CLAY; STIFF; MOIST
20	B8-4	3/7/9	SPT		CL: BLUE CLAY; VERY STIFF; MOIST
25					
30					
35					
40					



Depth (feet)
0
-5
-10
-15
-20
-25
-30
-35
-40

Client	Project	Sheet
Panattoni Dev't Co. Inc.	Dowdell Industrial	1 of 1

APPENDIX B

Laboratory Test Results

Expansion Index Test; ASTM D4829

Project No.:	4130
Project Name:	Dowdell Industrial
Date:	6/2/2017
Sampling Location:	Boring B5 - Upper 3 feet
Sample Description	Light Brown Clay (CH)

Water Content	**No. 1**	
Mass of pan	191.5	grams
Mass of wet soil+pan	371.5	grams
Mass of dry soil+pan	354.1	grams
Water Content (%)	**10.7**	percent

Dry Soil Density		
Weight of Ring	201	grams
Weight of Ring + Soil	599.4	grams
Height of Ring	1	inches
Ring Diamenter	4	inches
Volume of Ring	12.6	in^3
Wet Soil Density	120.5	pcf
Dry Soil Density	**108.9**	**pcf**

Saturation and Expansion Index	
Percent Saturation	52.8
Uncorrected EI	100.2
Corrected EI	**102.9**

Dial Readings	
Time (hrs)	Reading (in)
9:47 AM	0.1549
9:58 AM	0.1588
11:37 AM	0.2181
3:31 PM	0.2367
5:21 PM	0.2549
8:56 AM	0.2551

Delta	0.1002

EI	Classification
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
> 130	Very High

Notes:

ASTM D2216/2922 Moisture/Density Test

Project No.: 4130
Project Name: Dowdell Industrial
Sampling Locations: See Site Plan
Soil Description: See Boring Logs

Boring Location	B1	B2	B3	B5	B5	B6	B7
Sample Depth	2.5	10	25	2.5	20	10	2.5

Water Content Calculations	**No. 1**	**No. 2**	**No. 3**	**No. 4**	**No. 5**	**No. 6**	**No. 7**
Obtain Mass of Container	196.3	191.7	198.2	190.6	193.6	199.5	192.7
n Mass of Wet Specimen+Container	1063.3	1020.7	1070.5	943.6	1087.4	1068.9	1075.0
in Mass of Dry Specimen+Container	891.2	839.0	878.2	823.2	929.6	898.6	906.8
Water Content (%)	**24.8**	**28.1**	**28.3**	**19.0**	**21.4**	**24.4**	**23.6**

Soil Density Calculations	**No. 1**	**No. 2**	**No. 3**	**No. 4**	**No. 5**	**No. 6**	**No. 7**
Obtain Mass of Mold:	254.5	250.0	208.3	253.9	257.0	274.0	222.0
Obtain Mass of Soil and Mold:	1122.1	1081.9	1081.0	1006.0	1152.0	1145.0	1116.0
Total Mass of Soil	867.6	831.9	872.7	752.1	895.0	871.0	894.0
Length of sample	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Wet Soil Density	119.6	114.7	120.3	103.7	123.3	120.0	123.2
Dry Soil Density	**95.8**	**89.5**	**93.8**	**87.1**	**101.6**	**96.5**	**99.7**

Notes

ASTM D1140 Sieve Wash Over The No. 200 Screen

Project No.: 4130
Project Name: Dowdell Industrial
Date: 6/1/2017

Soil Description: See Boring Logs

Basic Information

Procedure Used (A or B) _____
Preparation Method Used (Wet or Dry) _____

Boring #	B1	B2	B5	B6	B7
Depth	5	20	5	5	15

Pan #	**101**	**100**	**77**	**42**	**38**
Mass of Container	233.1	234.3	189.1	186.6	190.5
Mass of Dry Specimen+Container	379.6	373.6	358.7	335.0	354.4
Mass of Dry Washed+Container	287.9	250.4	251.5	246.2	253.4
Percent Passing No. 200 Sieve	**62.6**	**88.4**	**63.2**	**59.8**	**61.6**

Notes

Mass of Container+Wet Specimen	415.6	410.4	403.8	386.8	394.3
Mass of Container+Dry Specimen	379.6	373.6	358.7	335	354.4
Moisture Content %	**24.6**	**26.4**	**26.6**	**34.9**	**24.3**

APPENDIX C

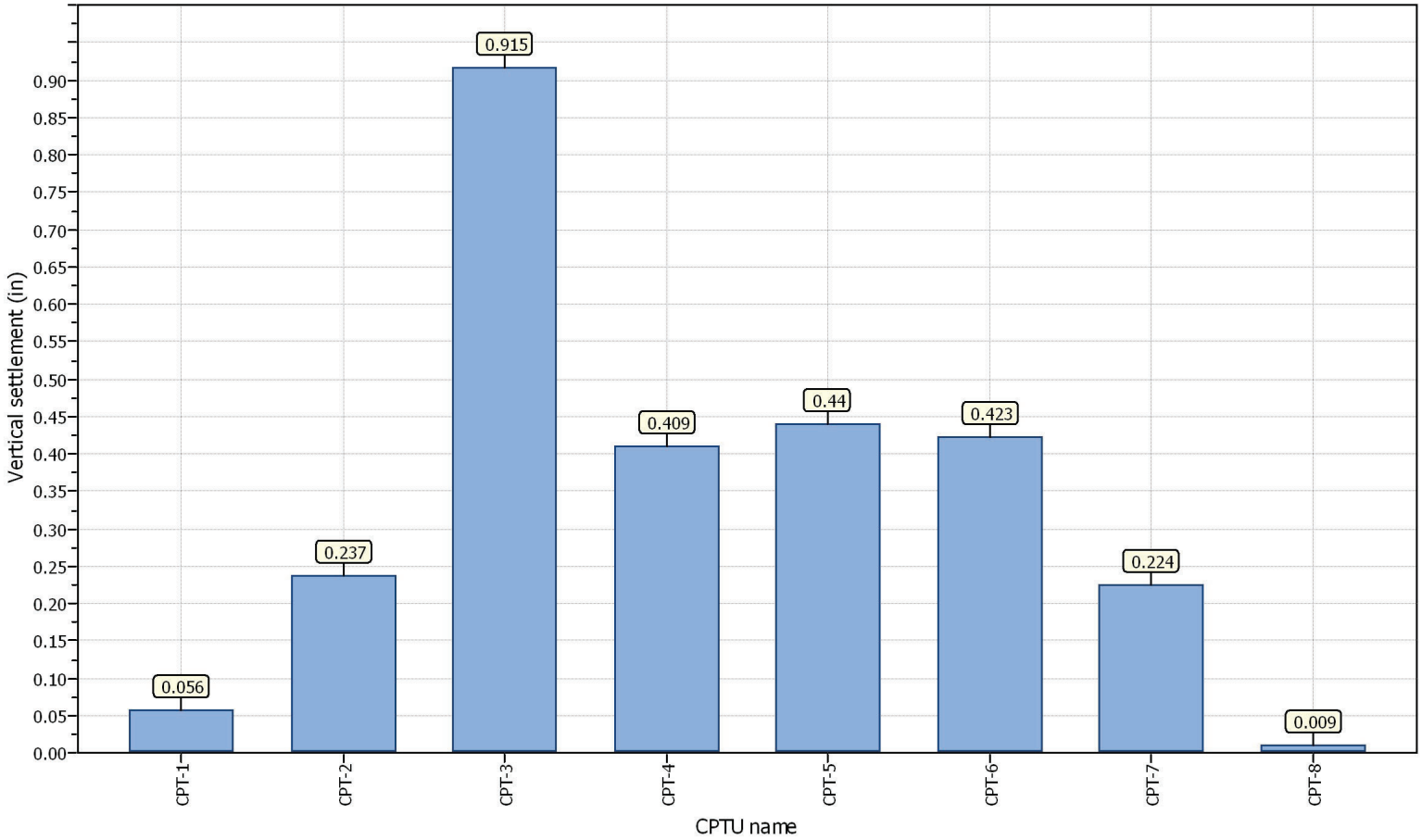
Liquefaction Analysis using CLiq Software

GeoLogismiki
Geotechnical Engineers
Merarhias 56
http://www.geologismiki.gr

Project title :

Location :

Overall vertical settlements report

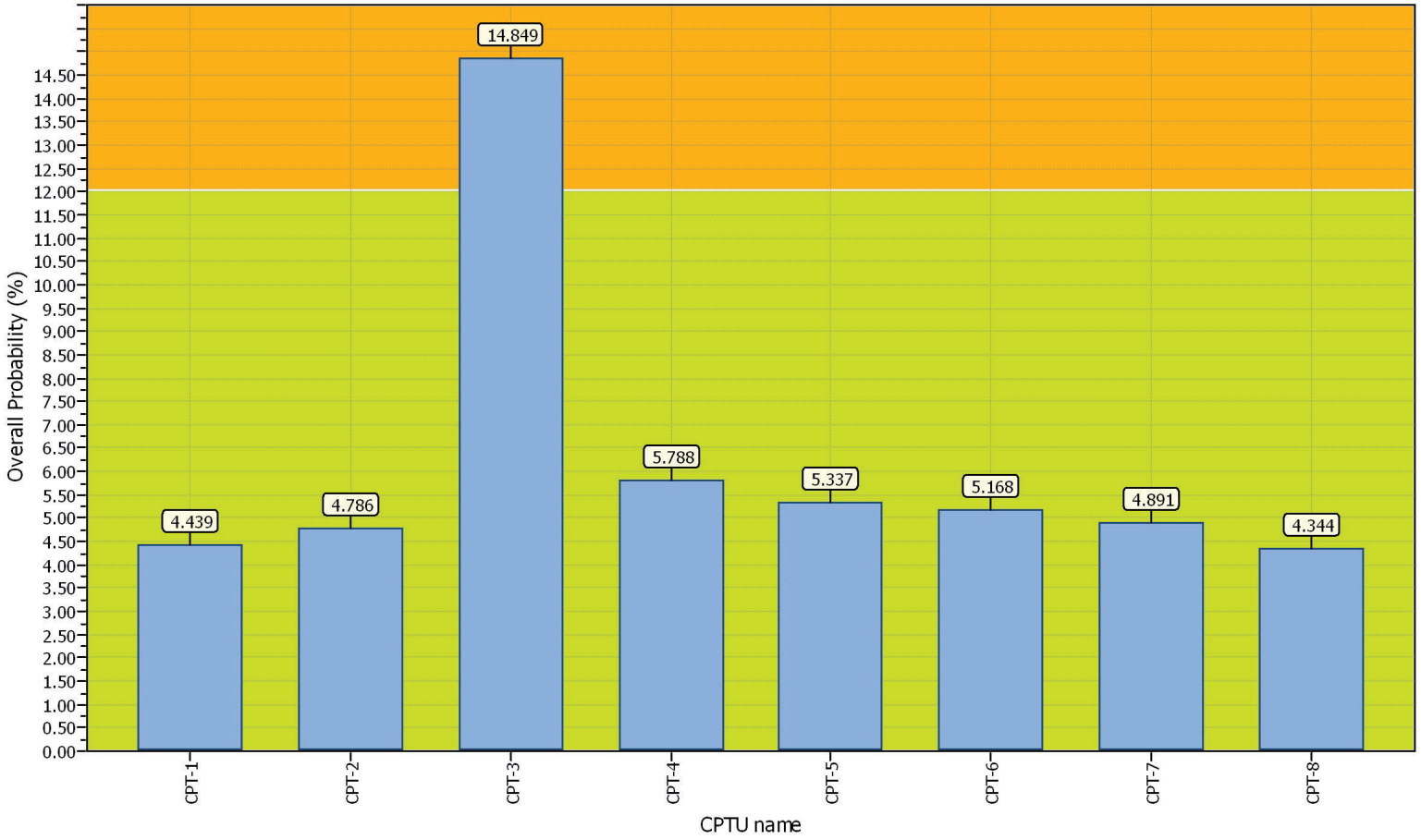


GeoLogismiki
Geotechnical Engineers
Merarhias 56
http://www.geologismiki.gr

Project title :

Location :

Overall Probability for Liquefaction report



Probability color scheme

- Very High Probability
- High Probability
- Low Probability

Basic statistics

Total CPT number: 8
87.50% low probability
12.50% high probability
0.00% very high probability

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Summary data report 1
Vertical settlements summary report 7

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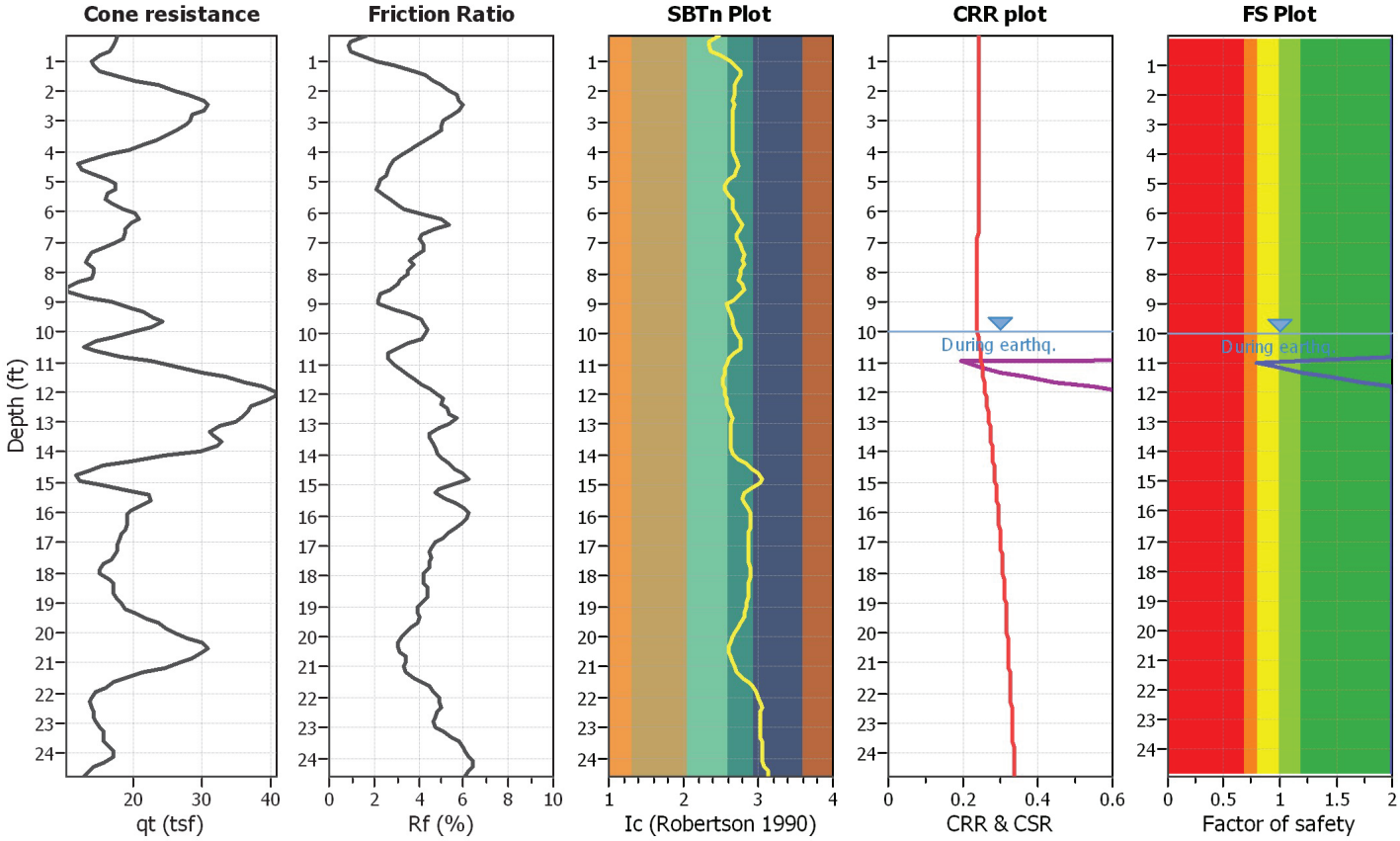
LIQUEFACTION ANALYSIS REPORT

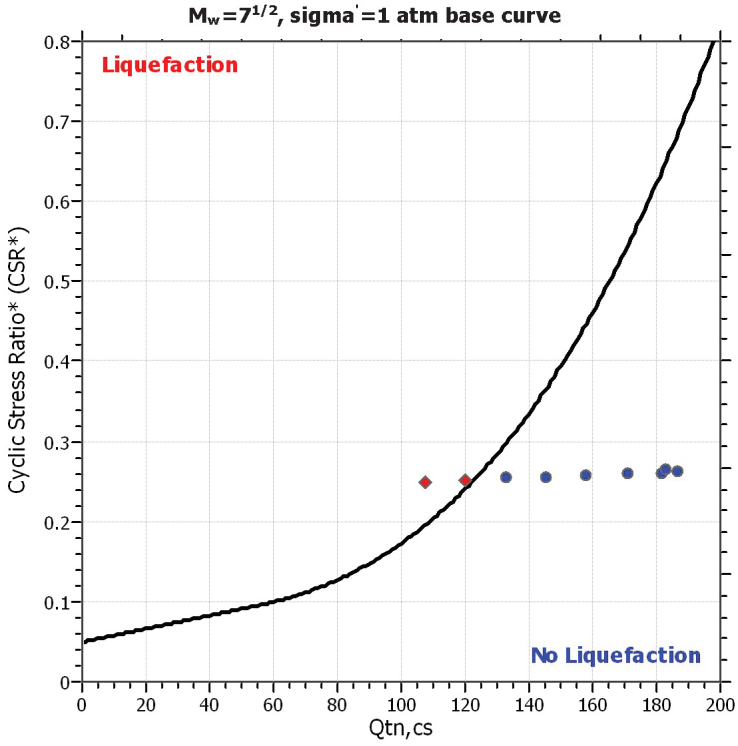
Project title : **Location :**

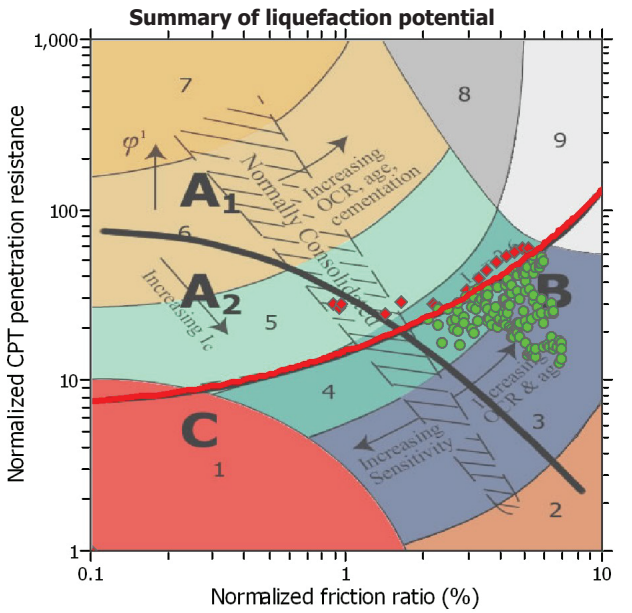
CPT file : CPT-1

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

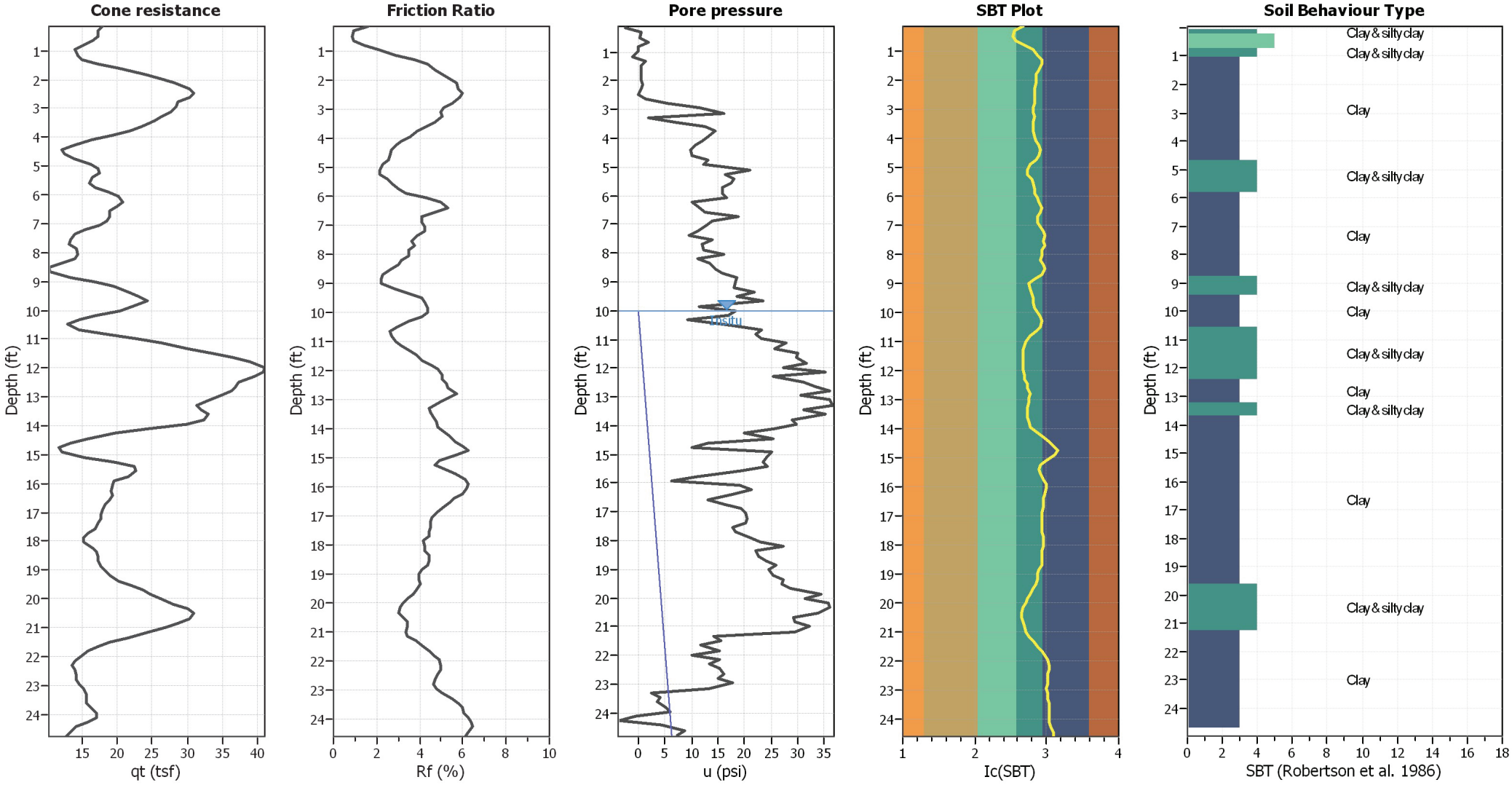






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



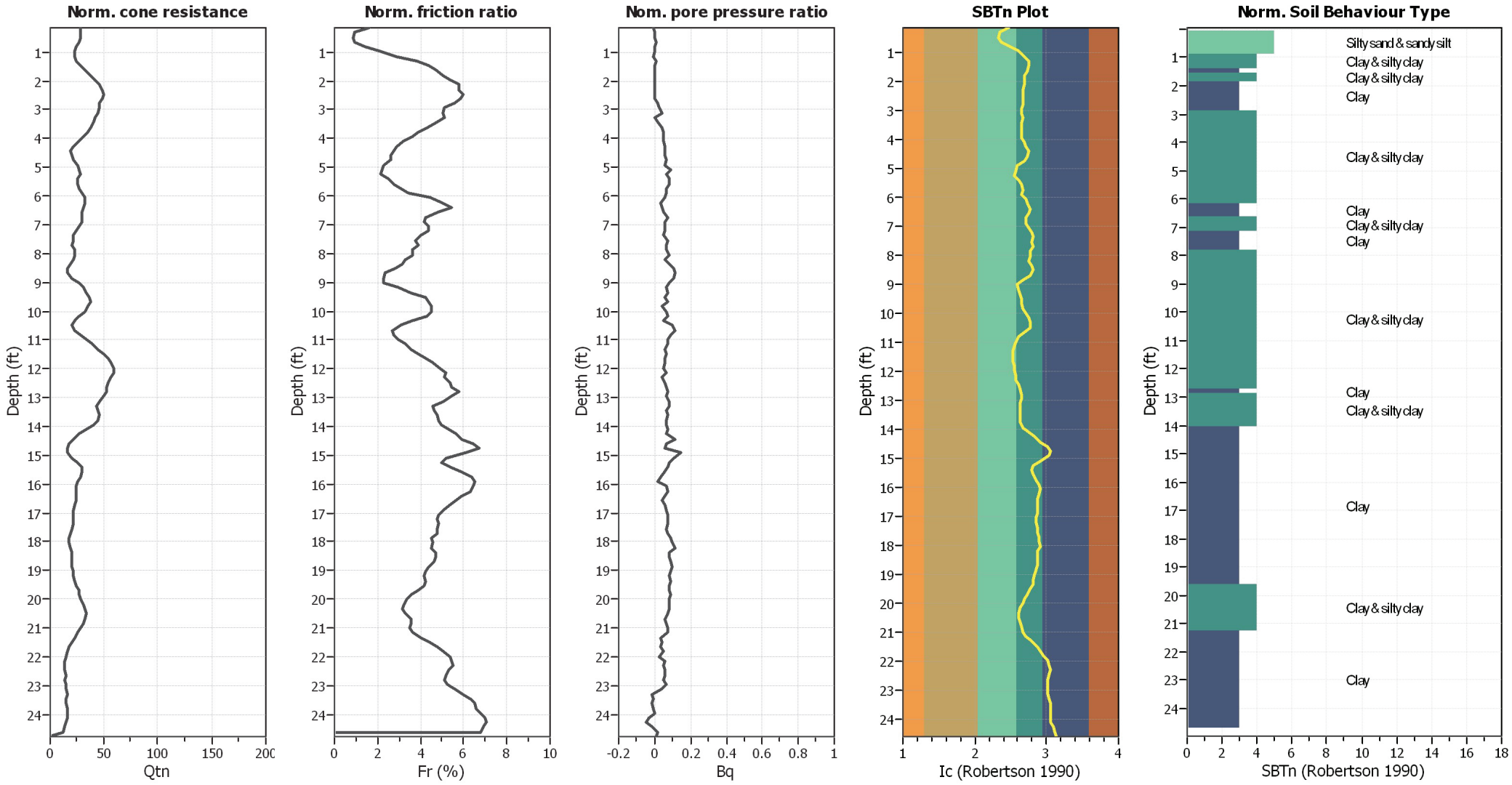
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



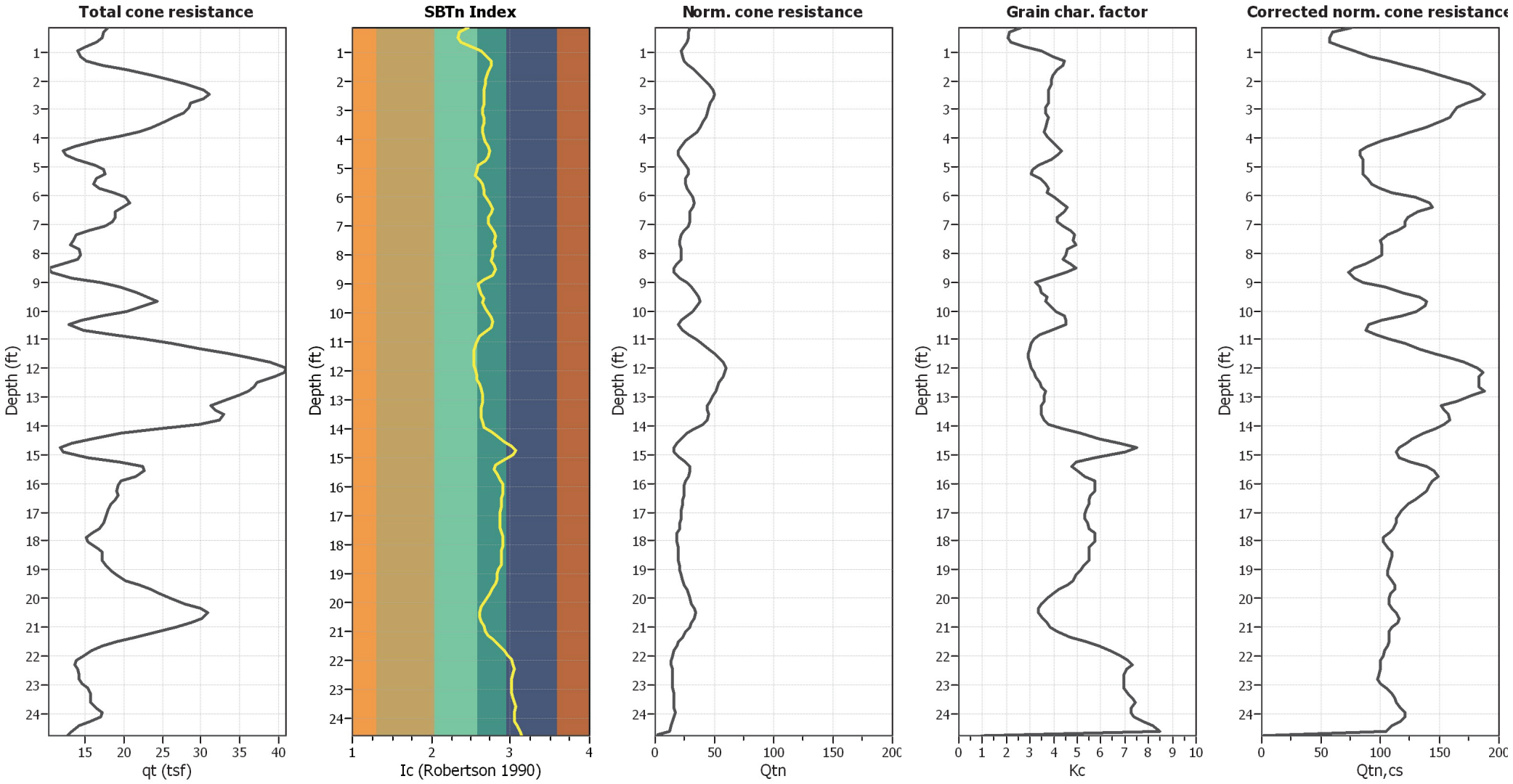
Input parameters and analysis data

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Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

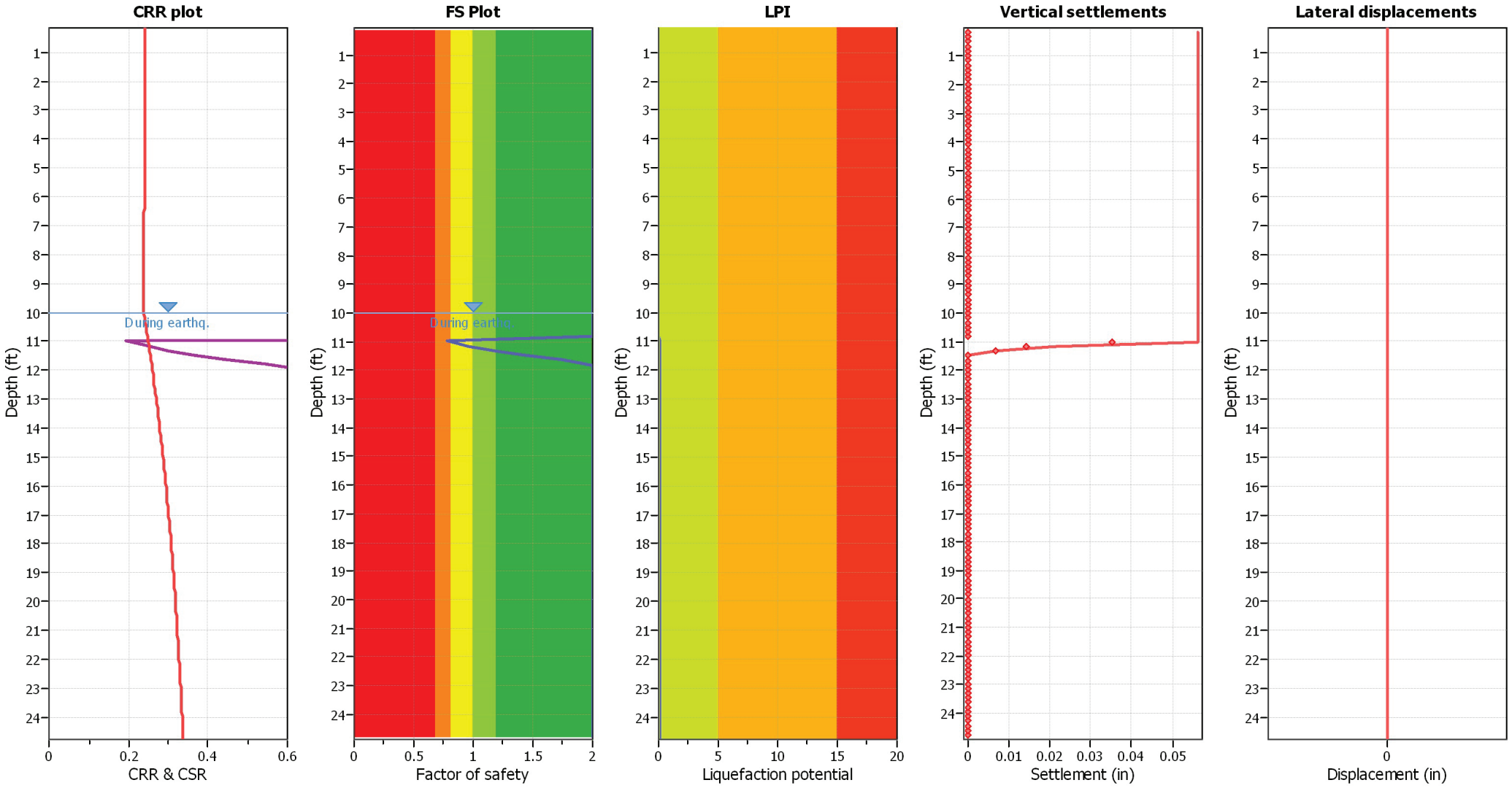
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

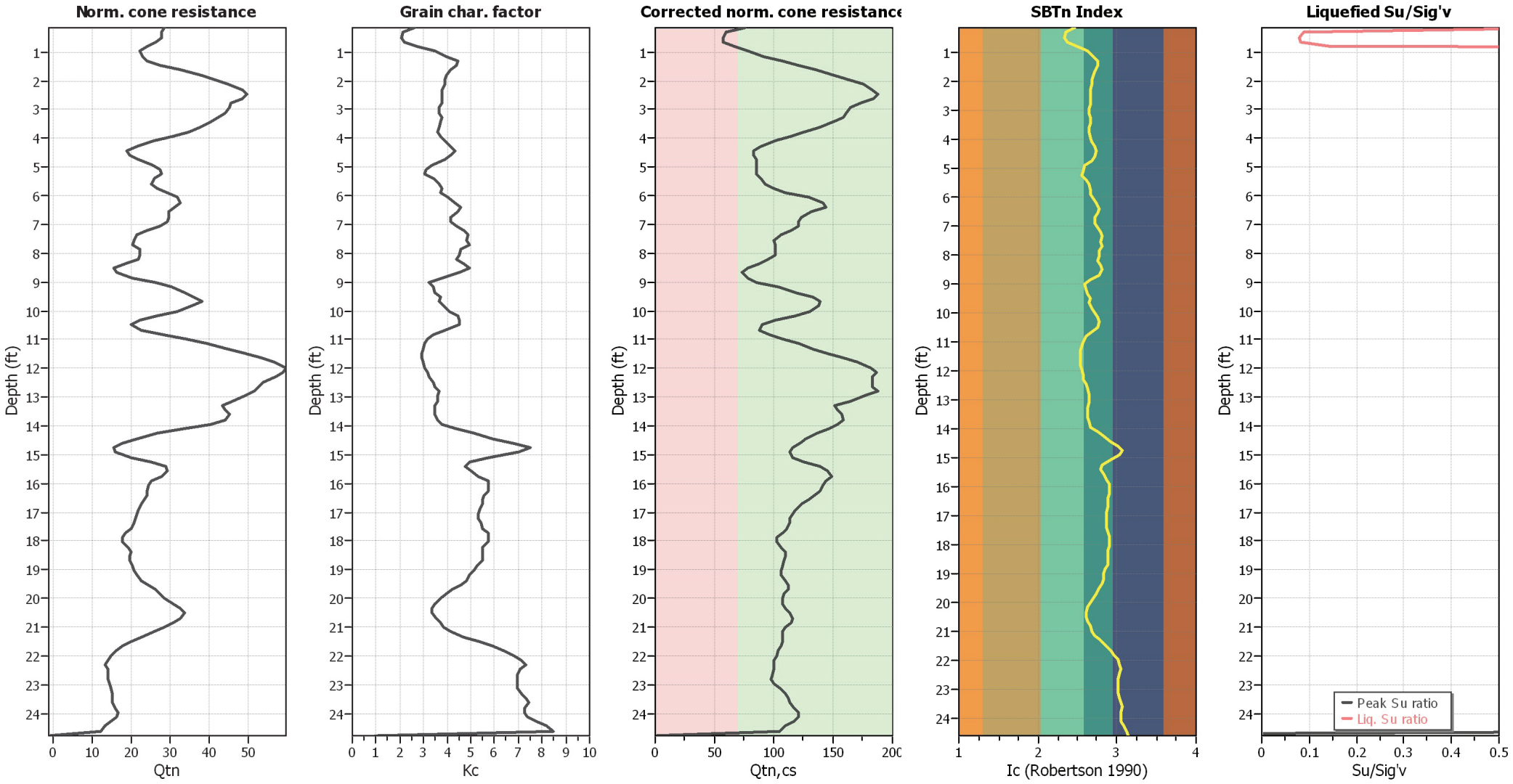
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

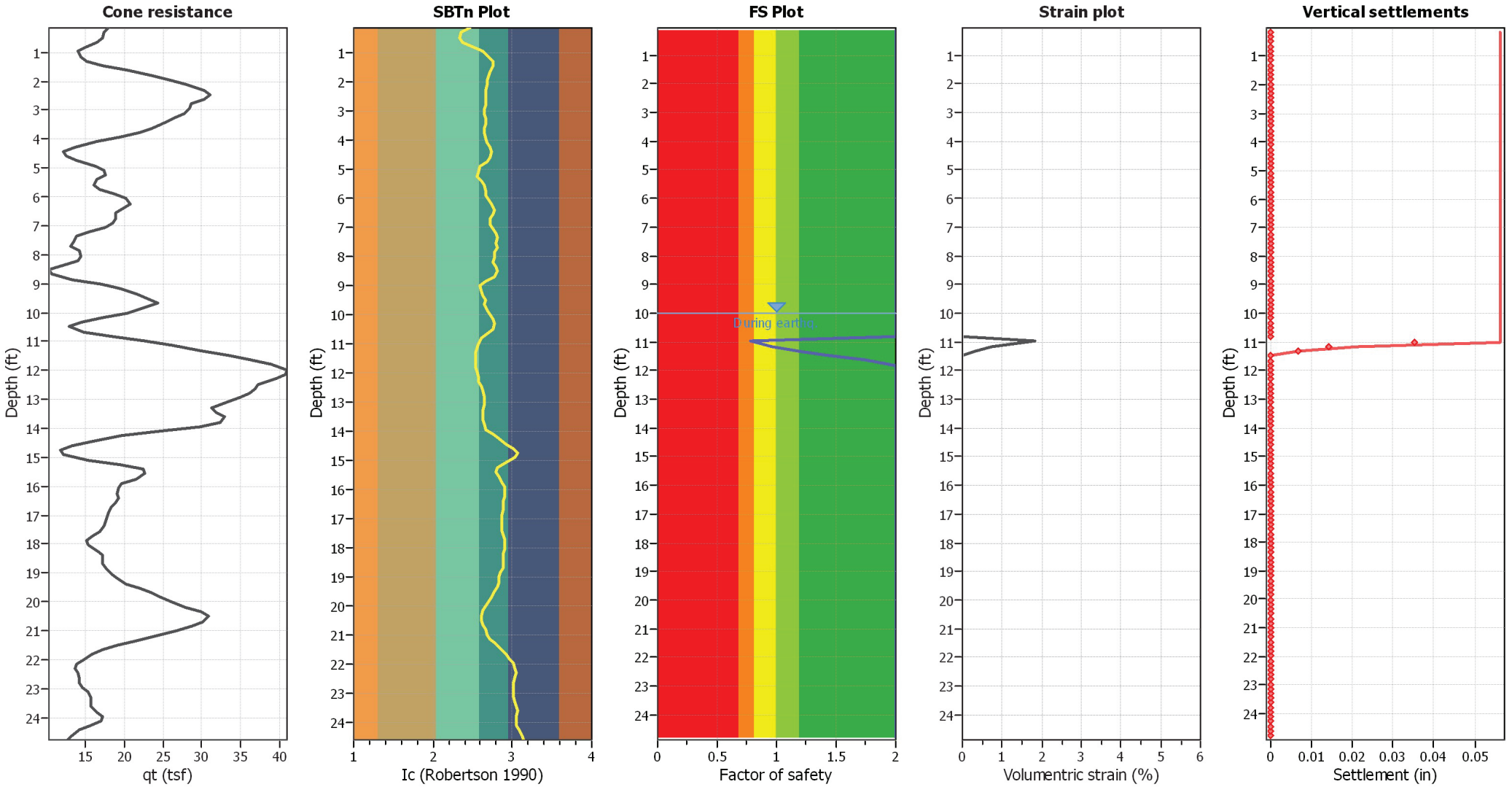
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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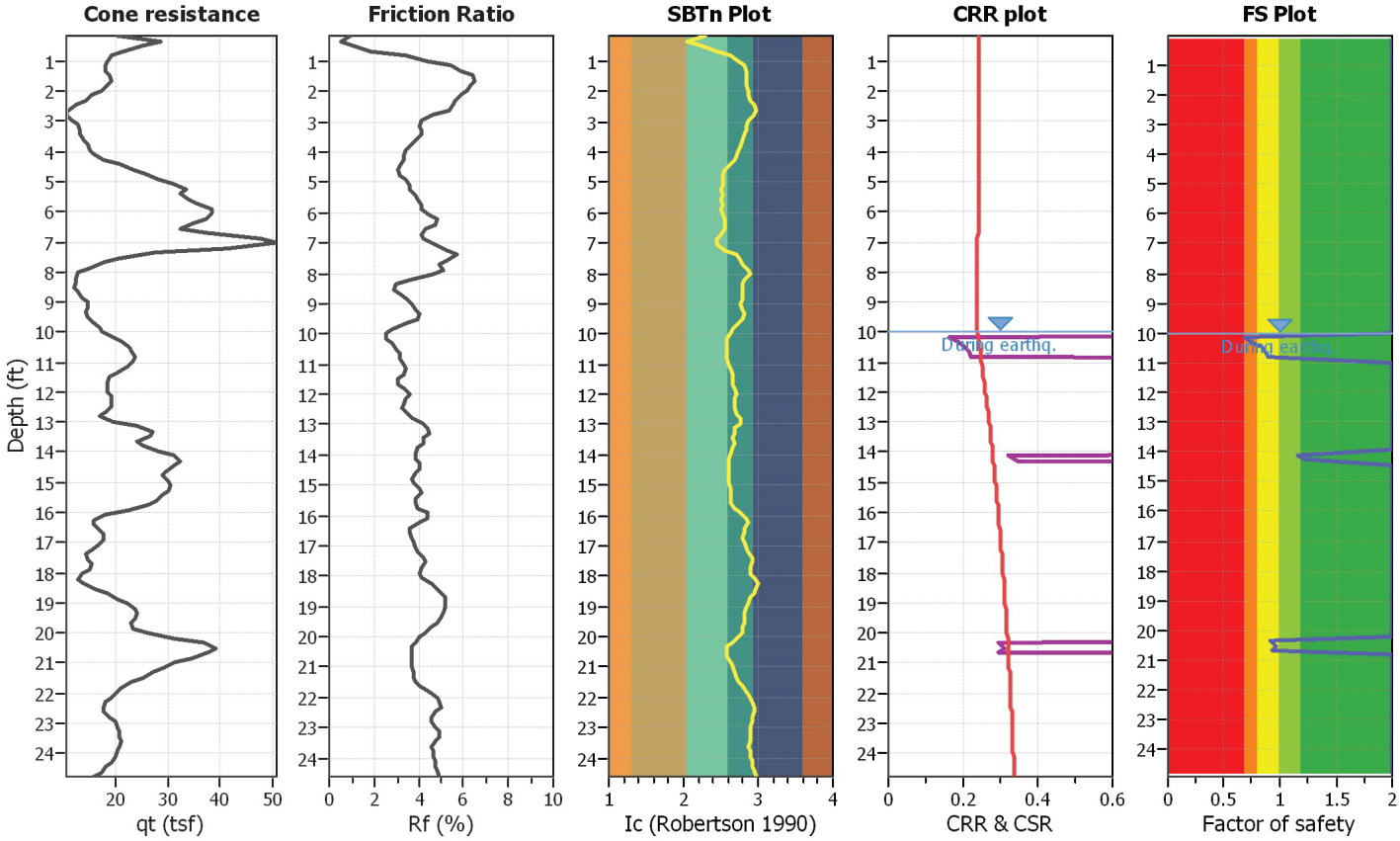
LIQUEFACTION ANALYSIS REPORT

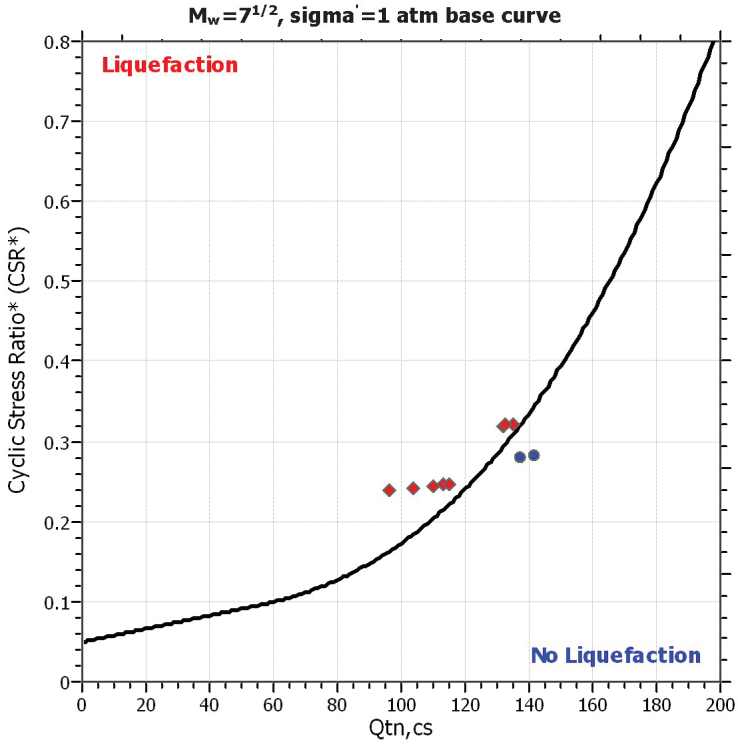
Project title : **Location :**

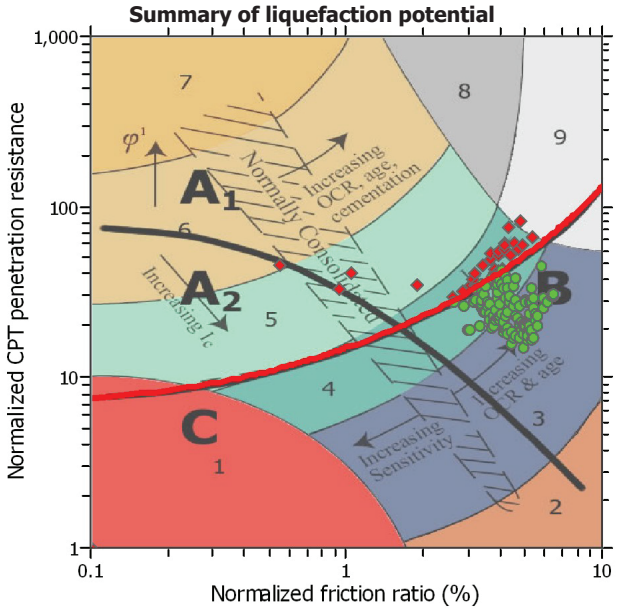
CPT file : CPT-2

Input parameters and analysis data

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Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

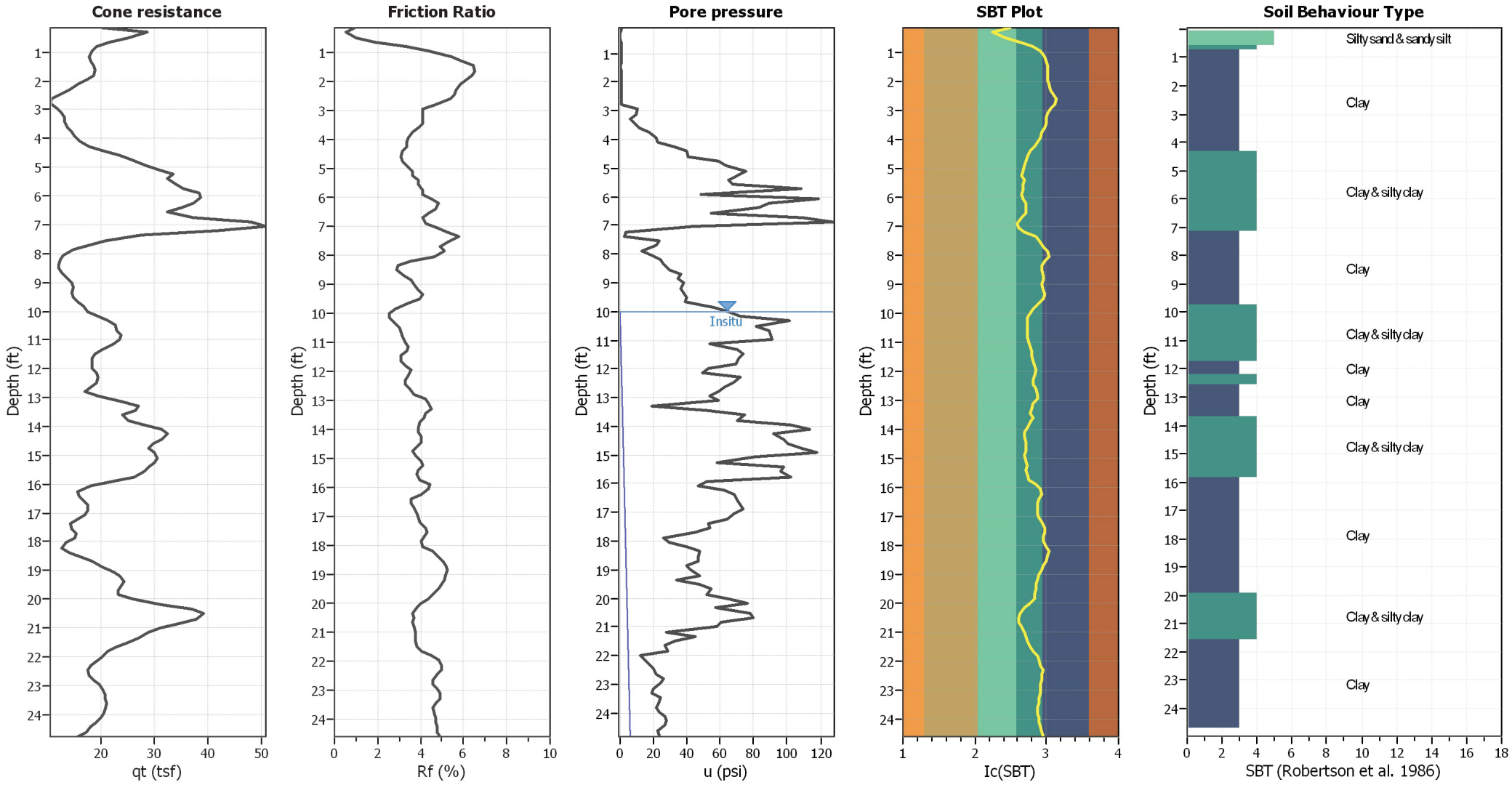






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



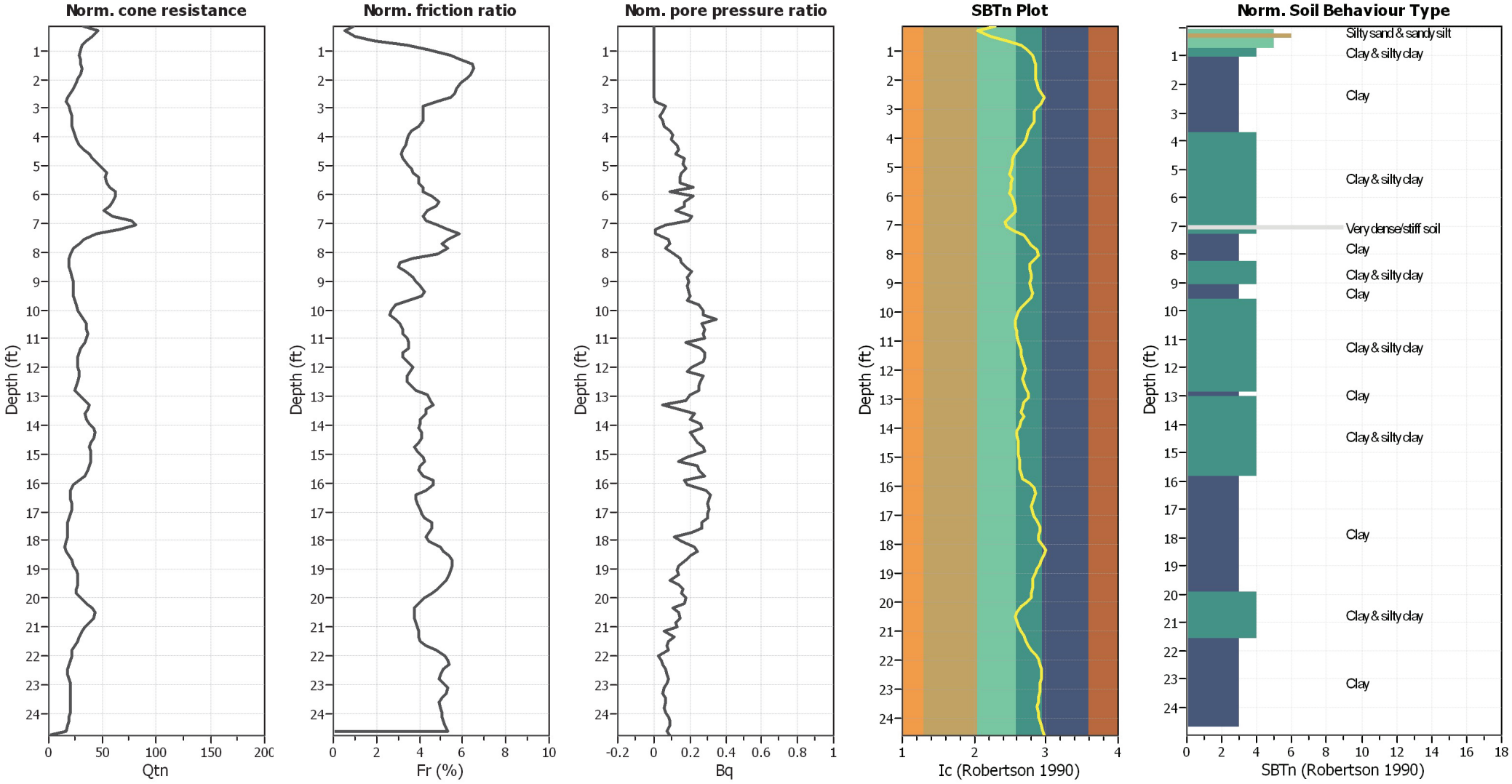
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



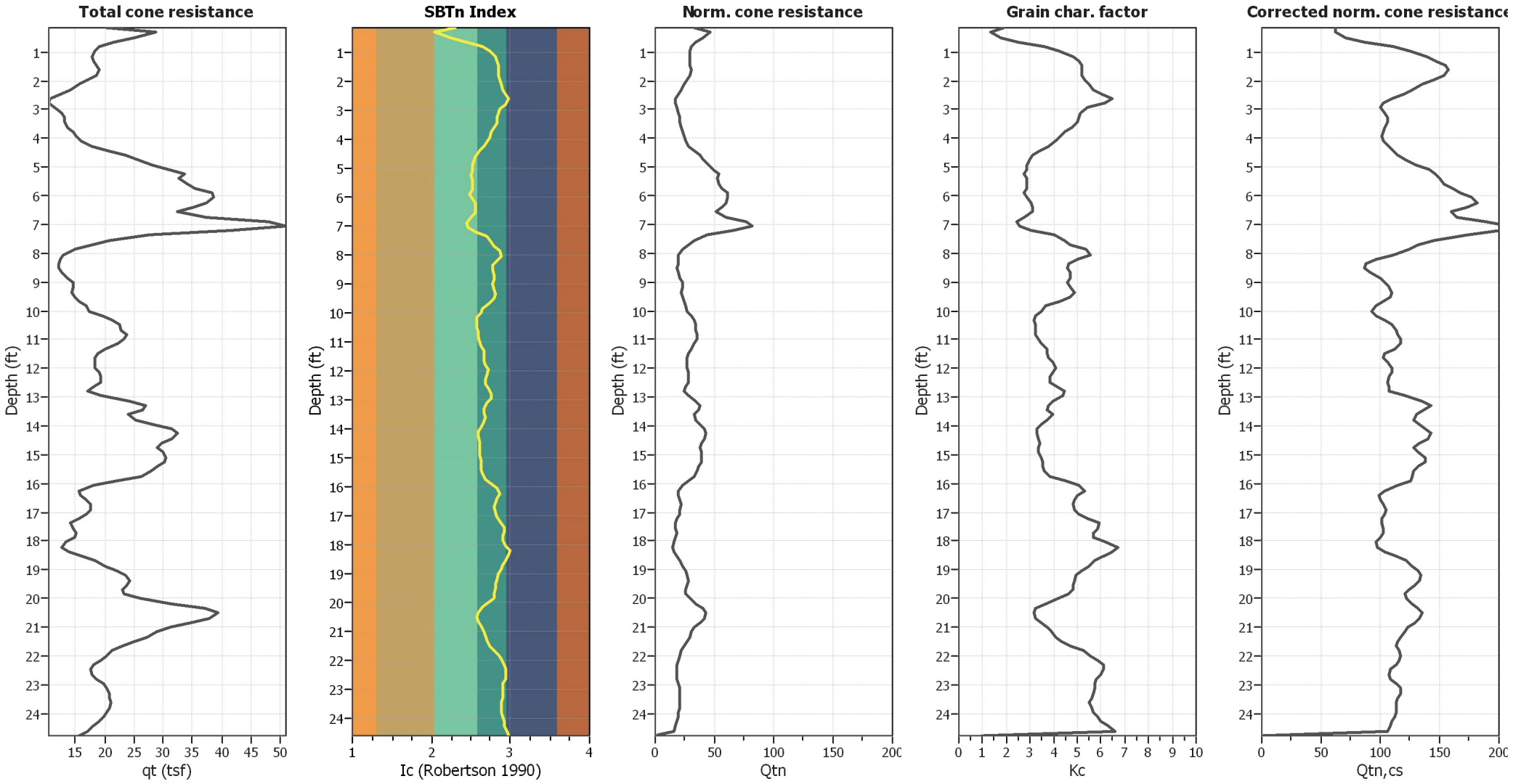
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

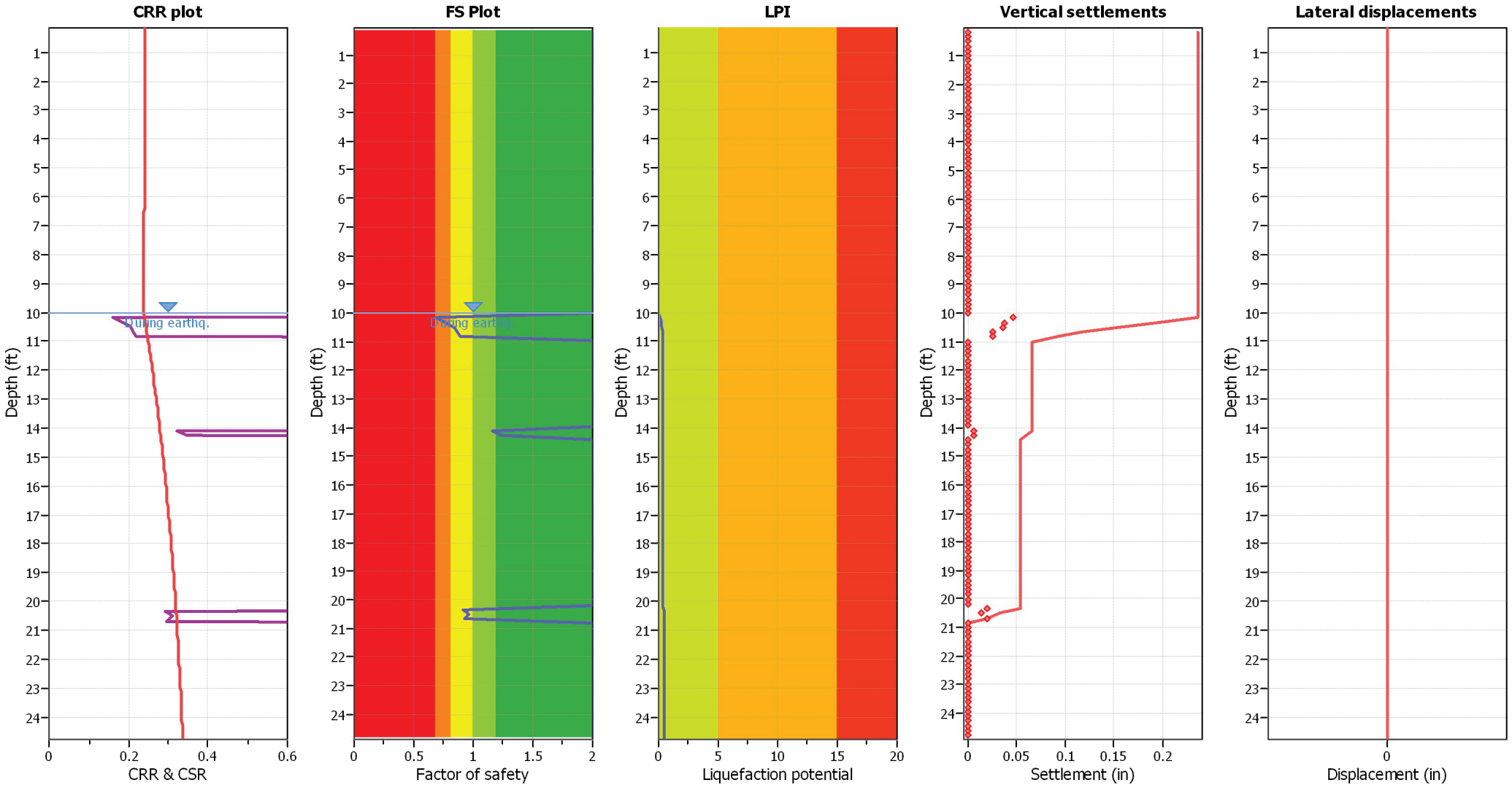
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

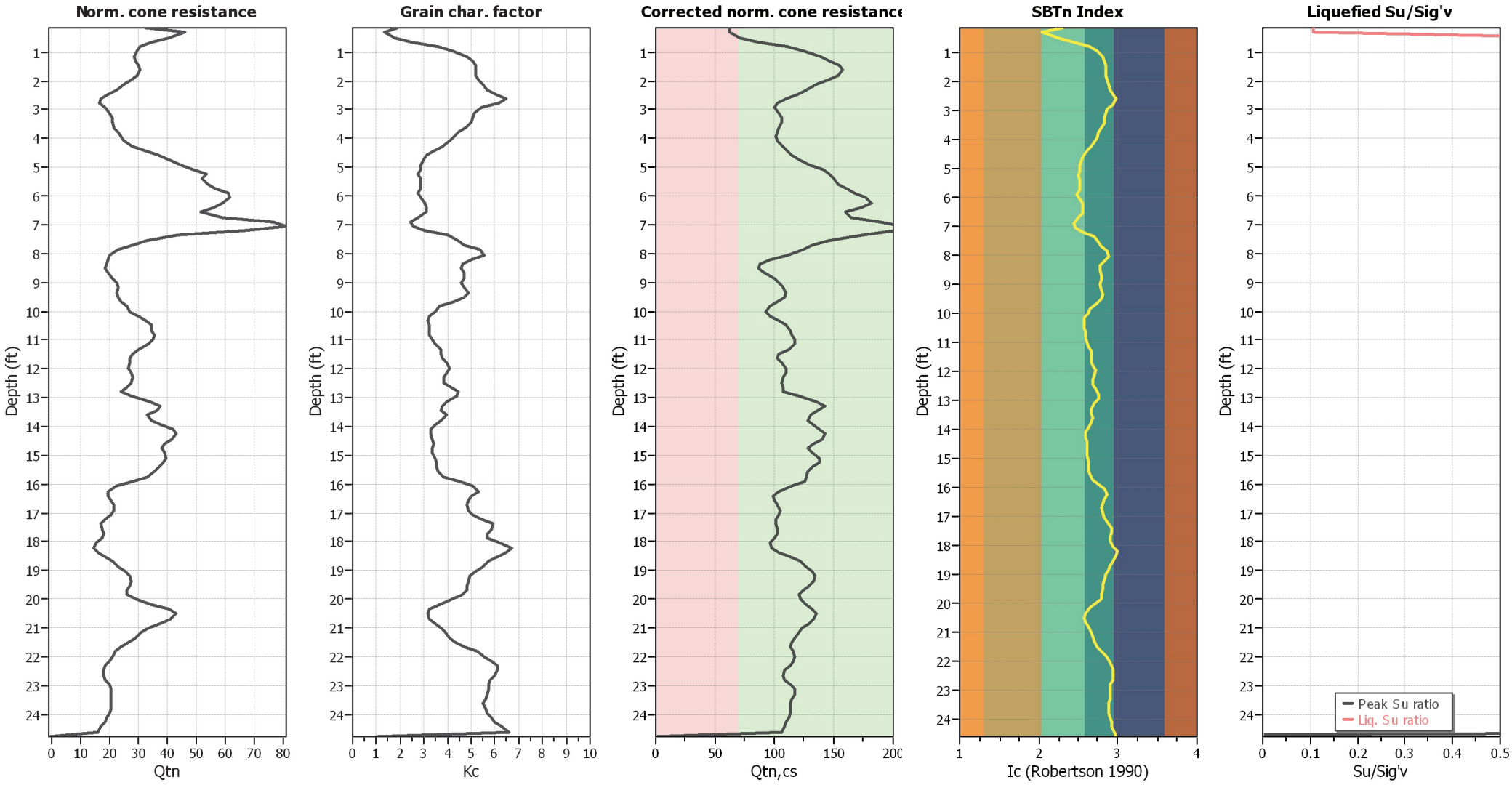
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

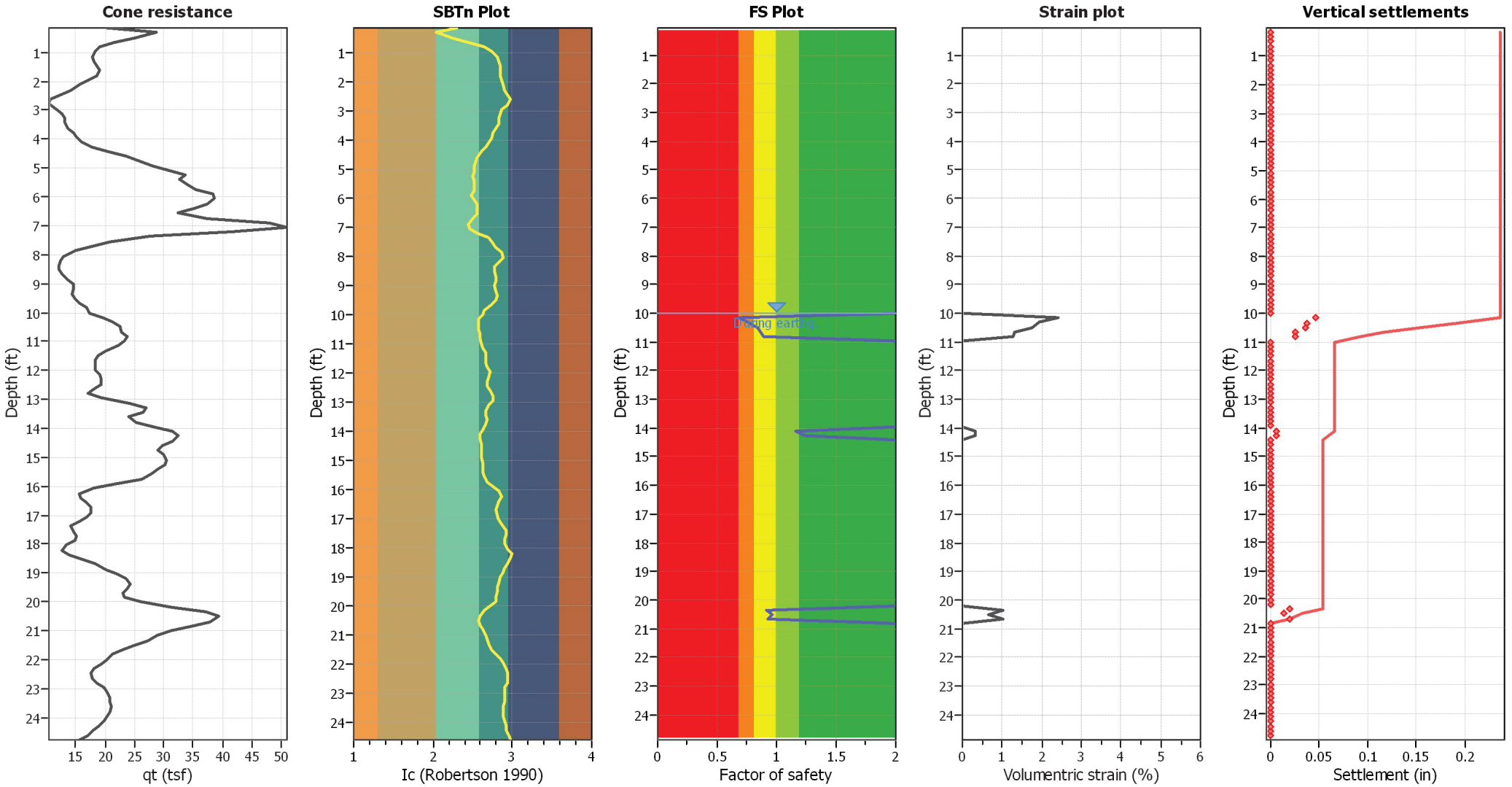
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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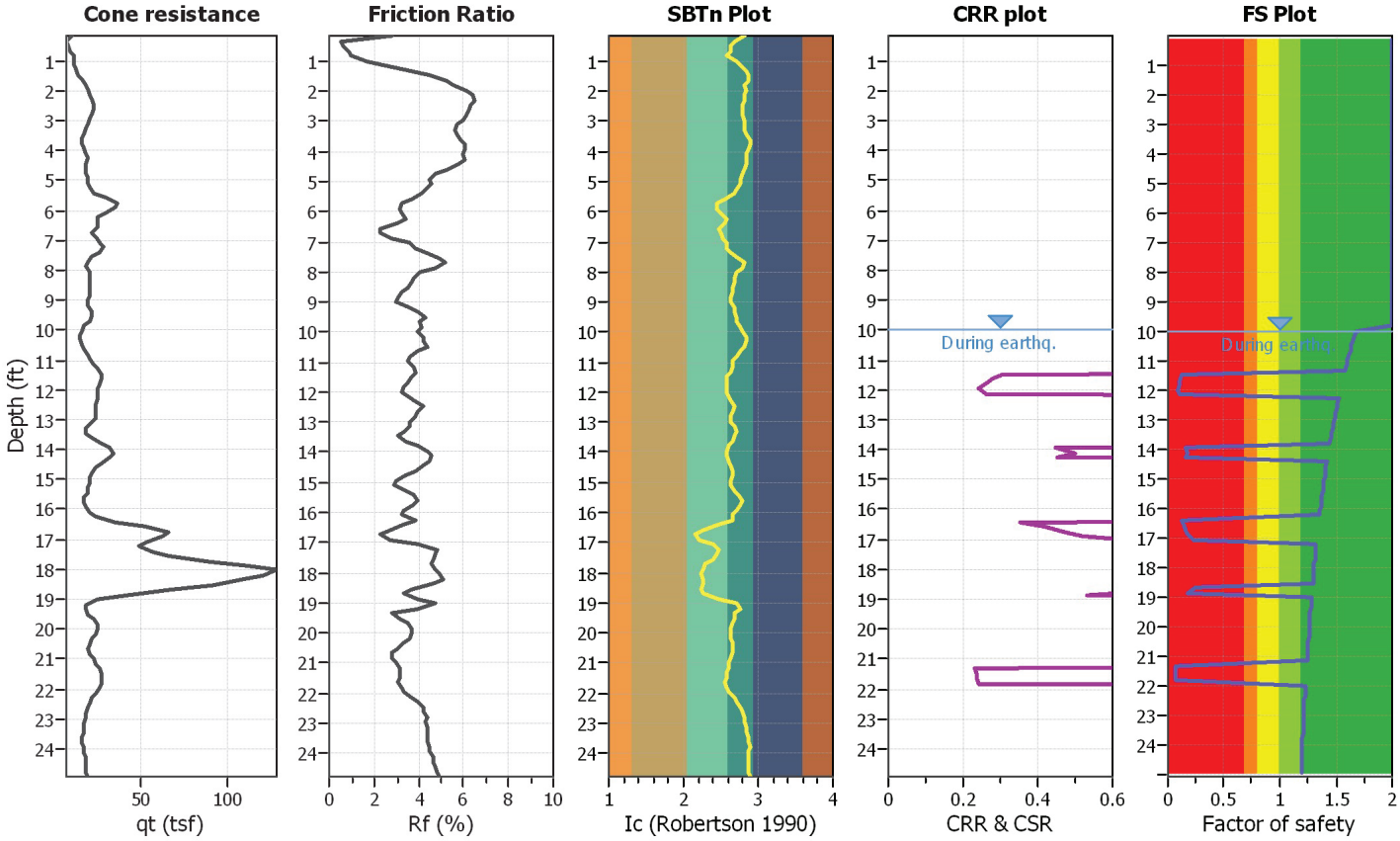
LIQUEFACTION ANALYSIS REPORT

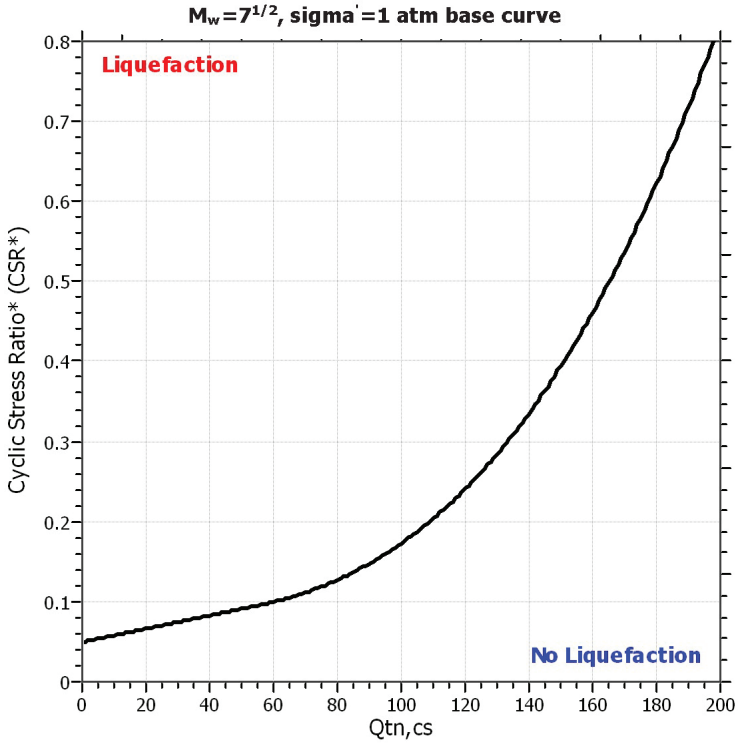
Project title : **Location :**

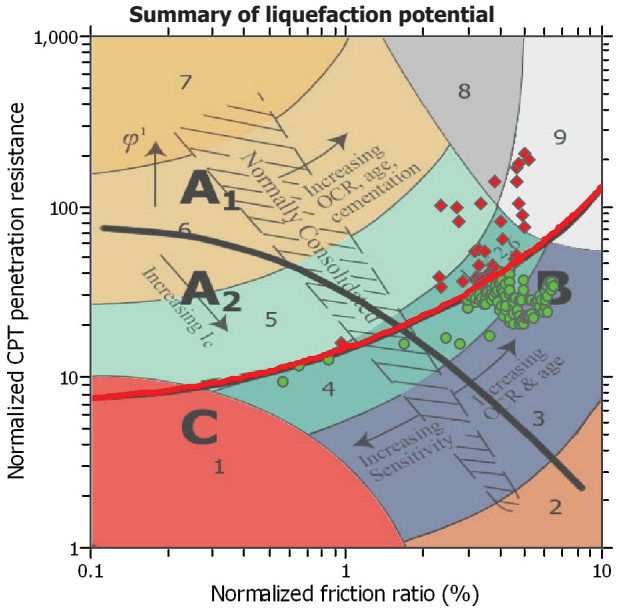
CPT file : CPT-3

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	1.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	4.80	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

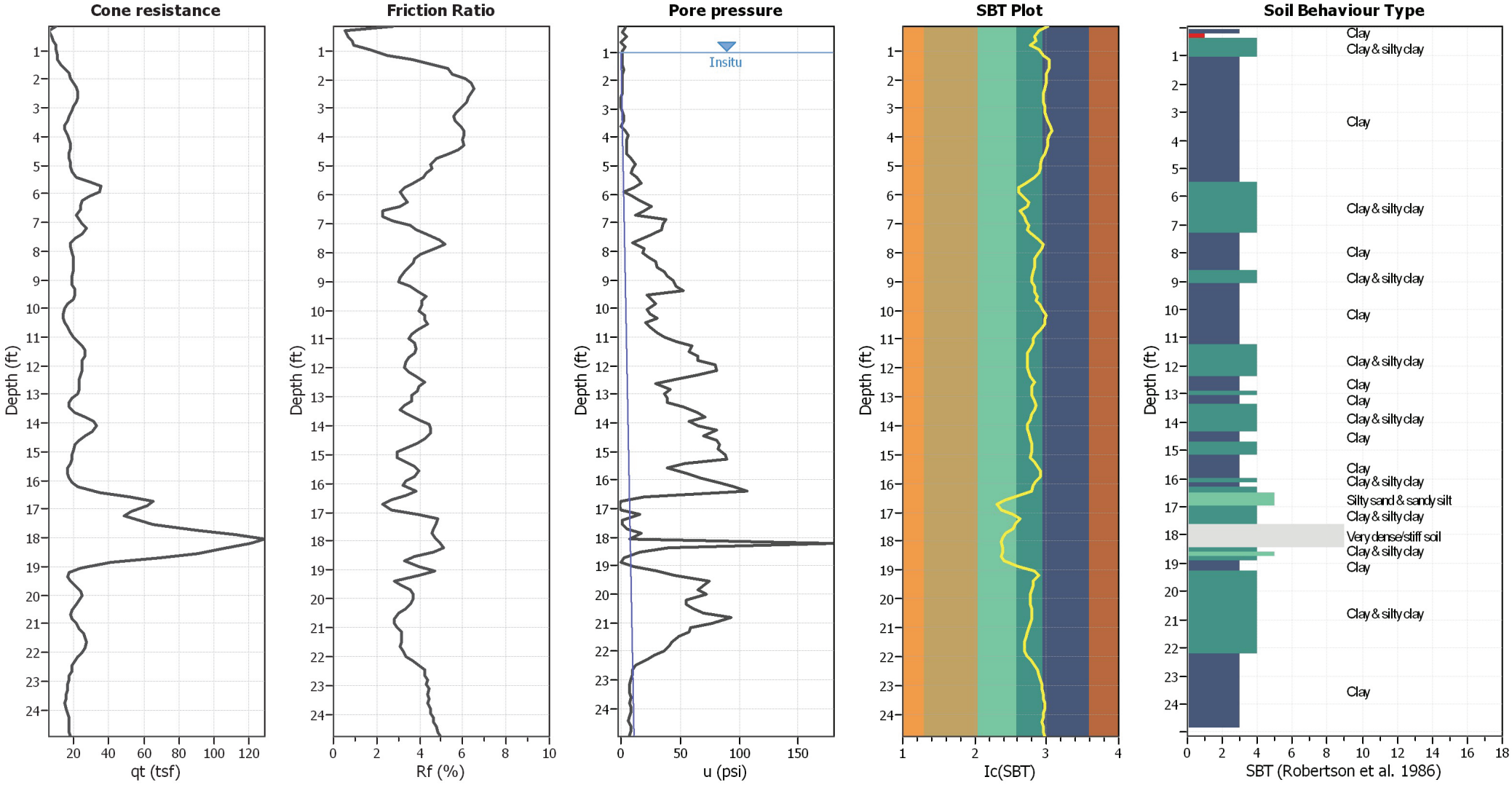






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



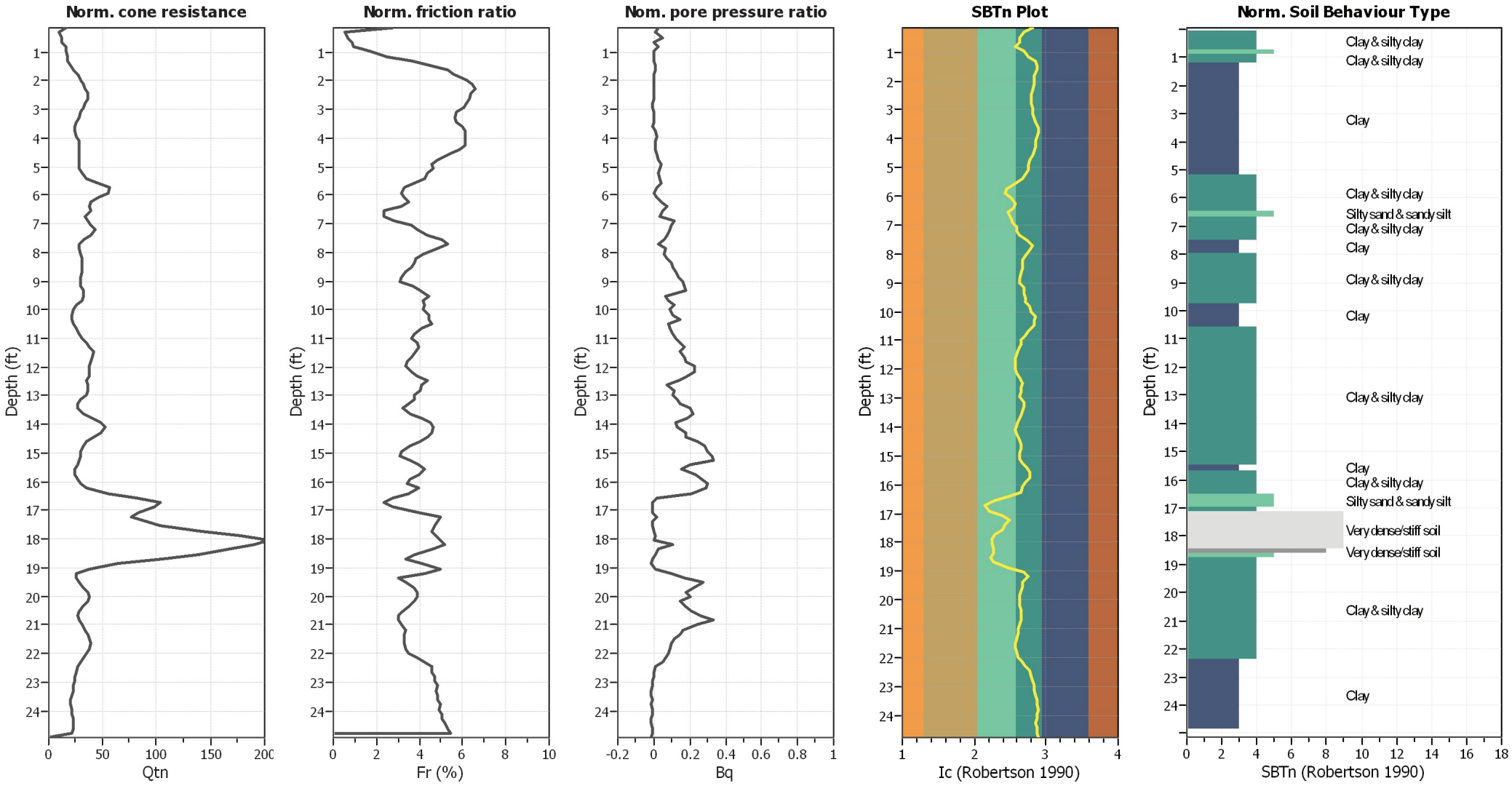
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	4.80	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



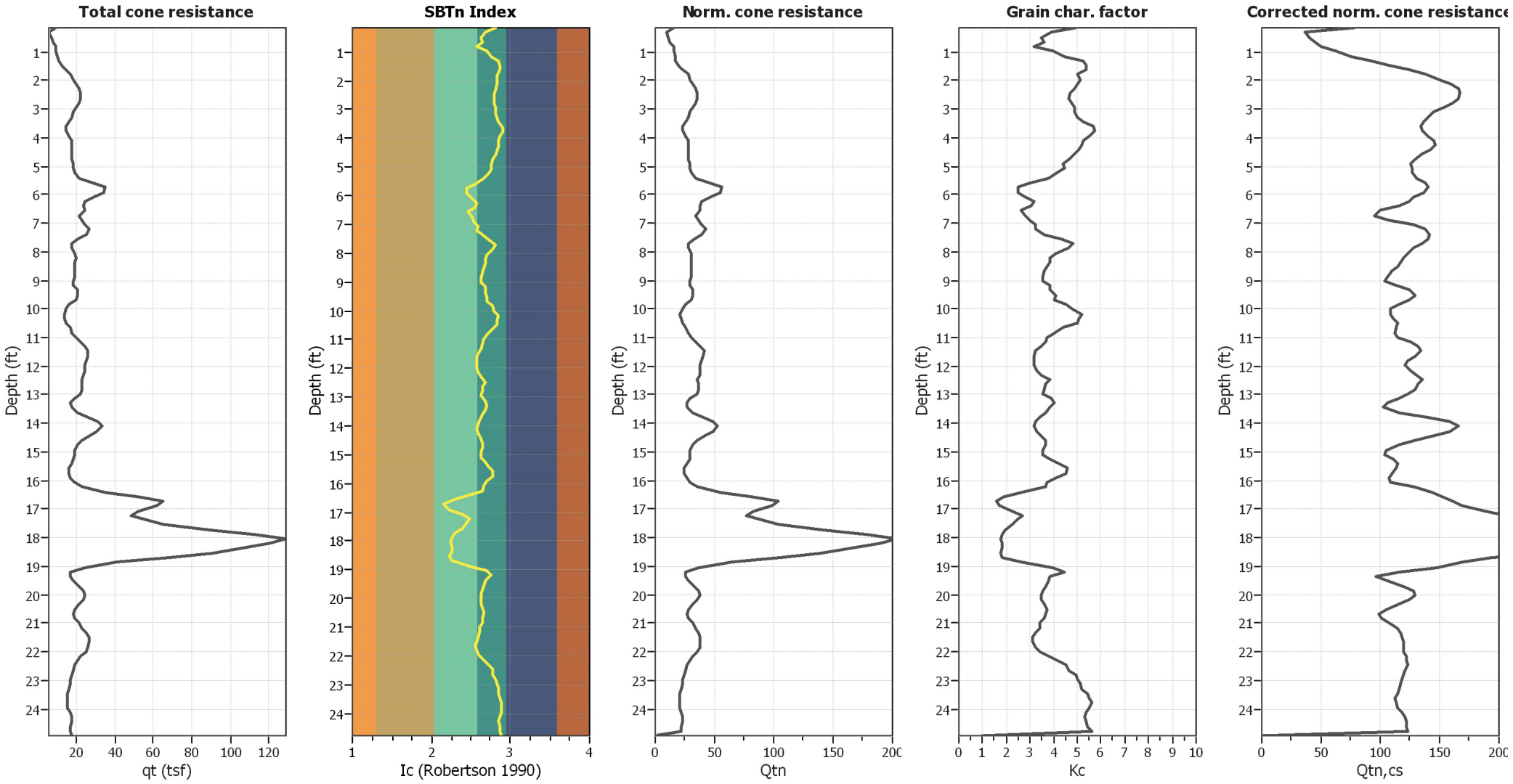
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	4.80	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

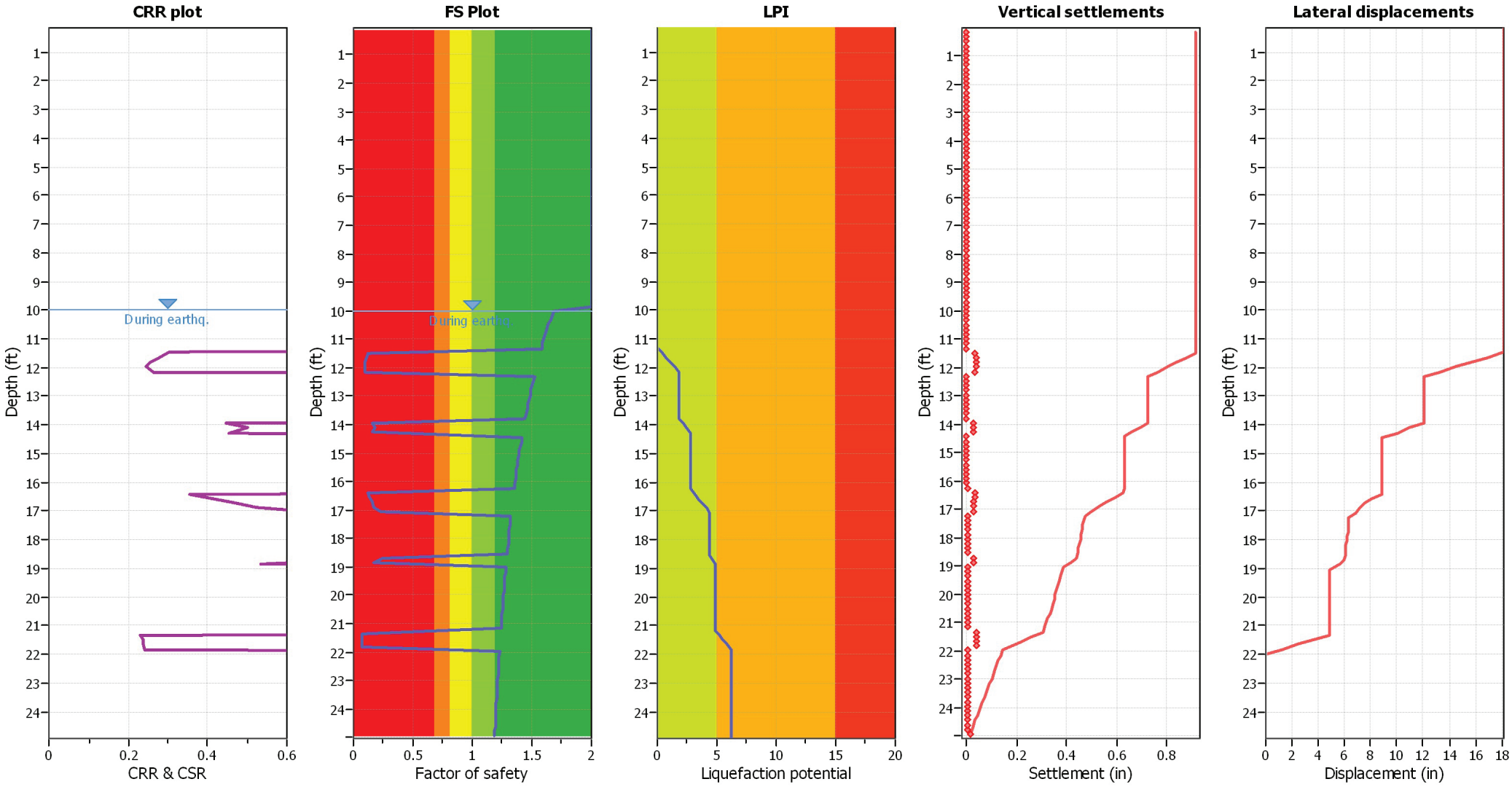
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	4.80	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	4.80	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.00 ft	Fill height:	N/A	Limit depth:	N/A

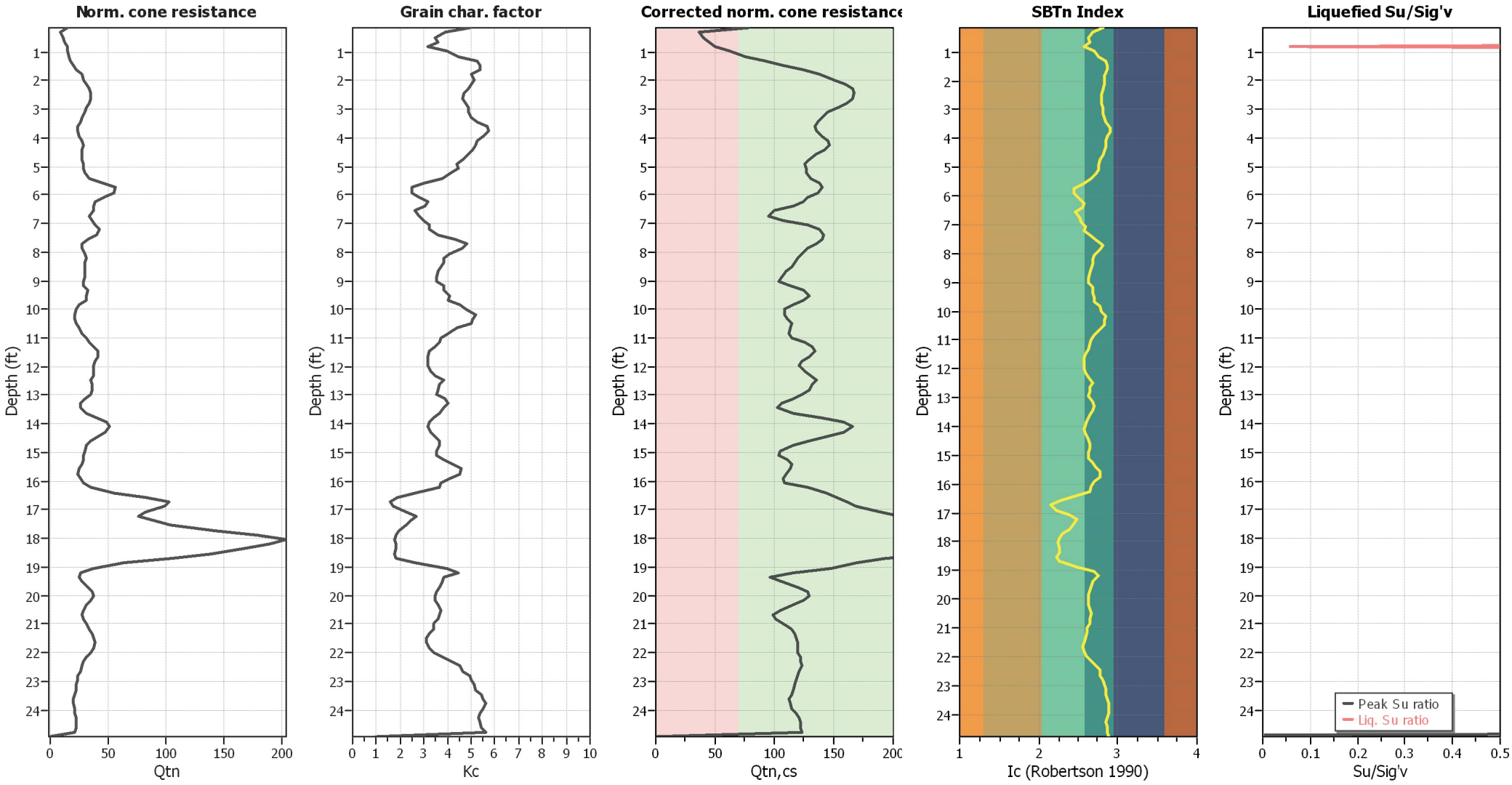
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

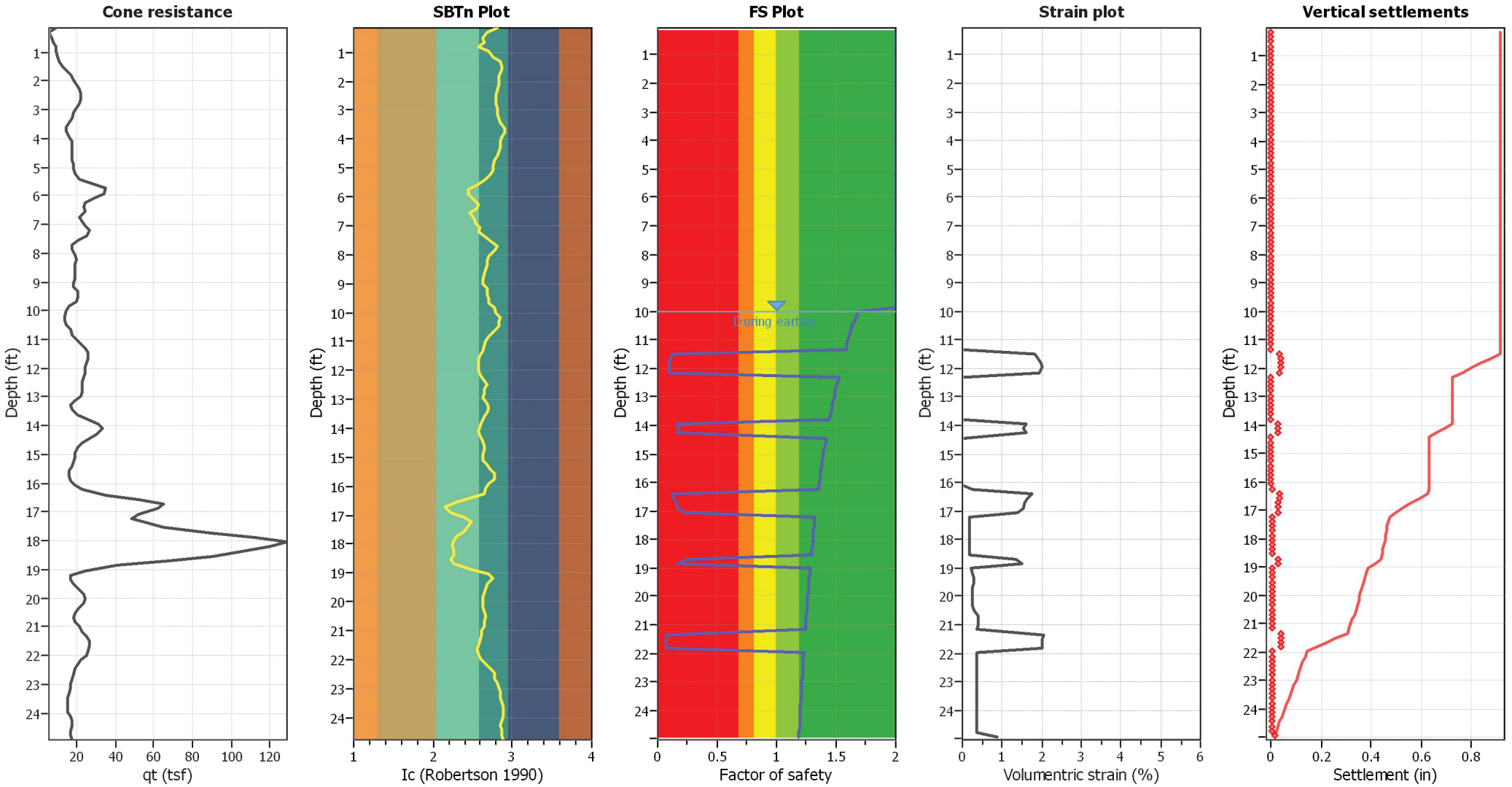
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	4.80	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements

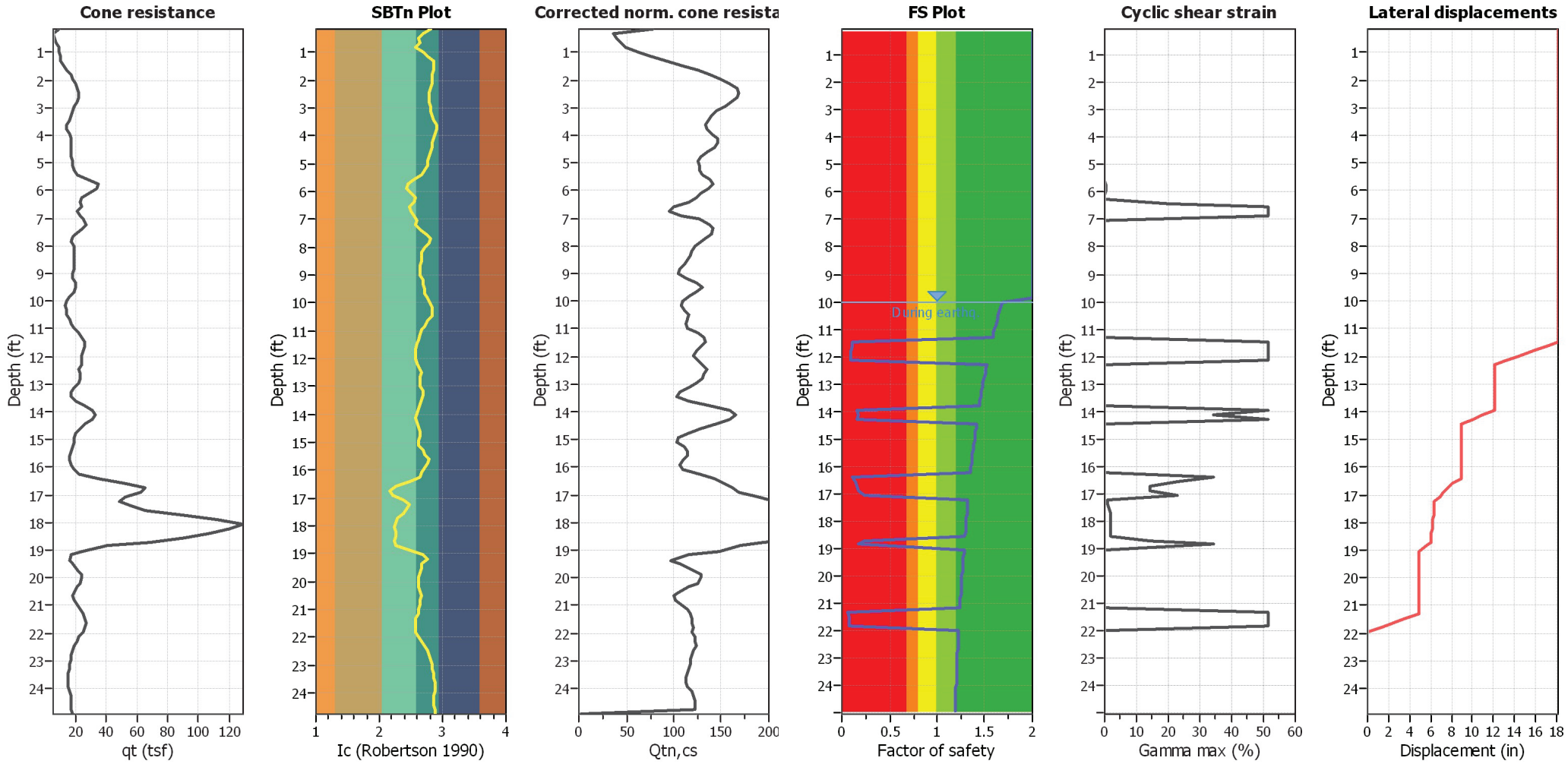


Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

Estimation of post-earthquake lateral Displacements

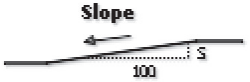
Geometric parameters: Gently sloping ground without free face (Slope 1.00 %)



Abbreviations

q_t: Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c: Soil Behaviour Type Index
$Q_{tn,cs}$: Equivalent clean sand normalized CPT total cone resistance
F.S.: Factor of safety
γ_{max}: Maximum cyclic shear strain
LDI: Lateral displacement index

Surface condition



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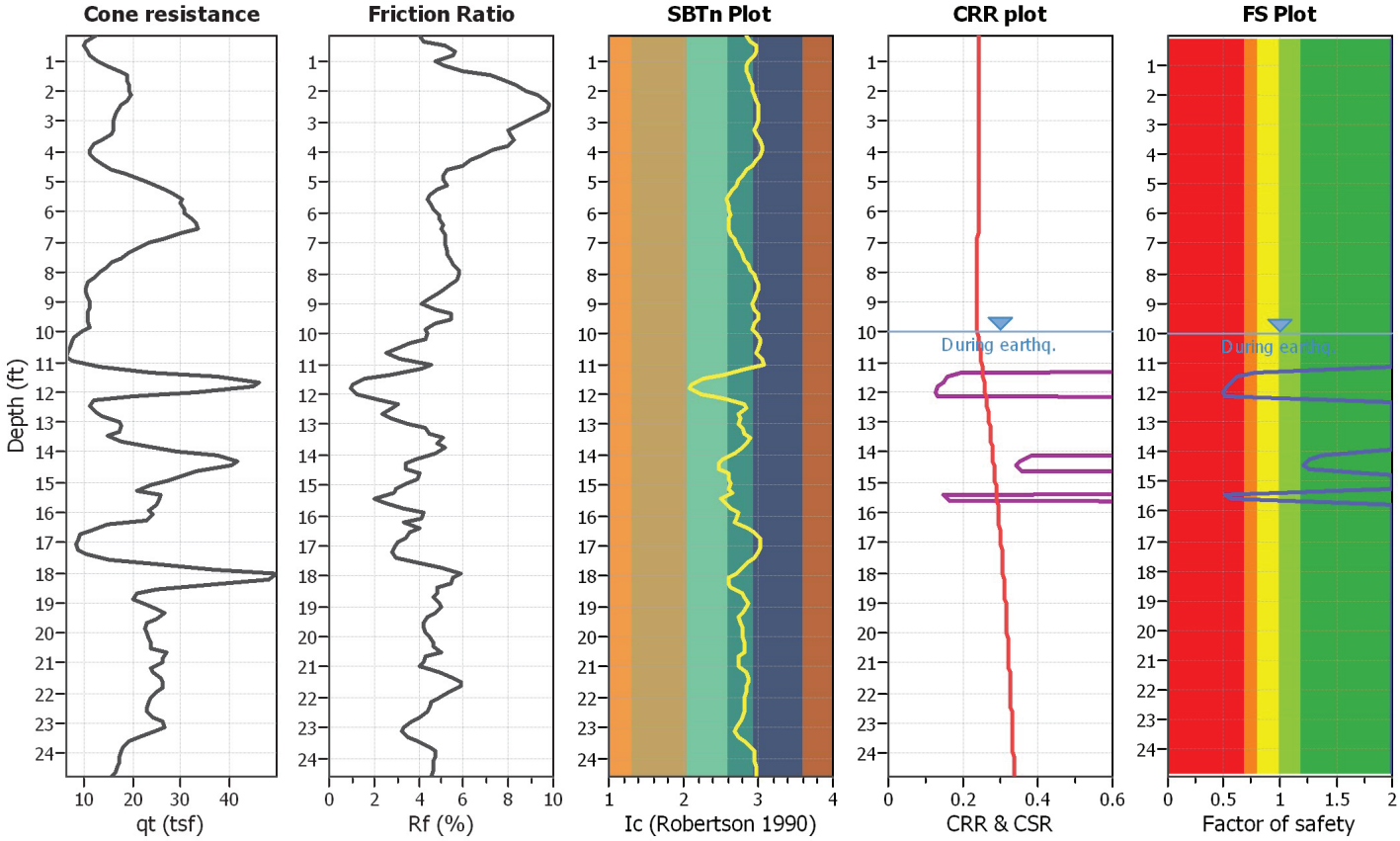
LIQUEFACTION ANALYSIS REPORT

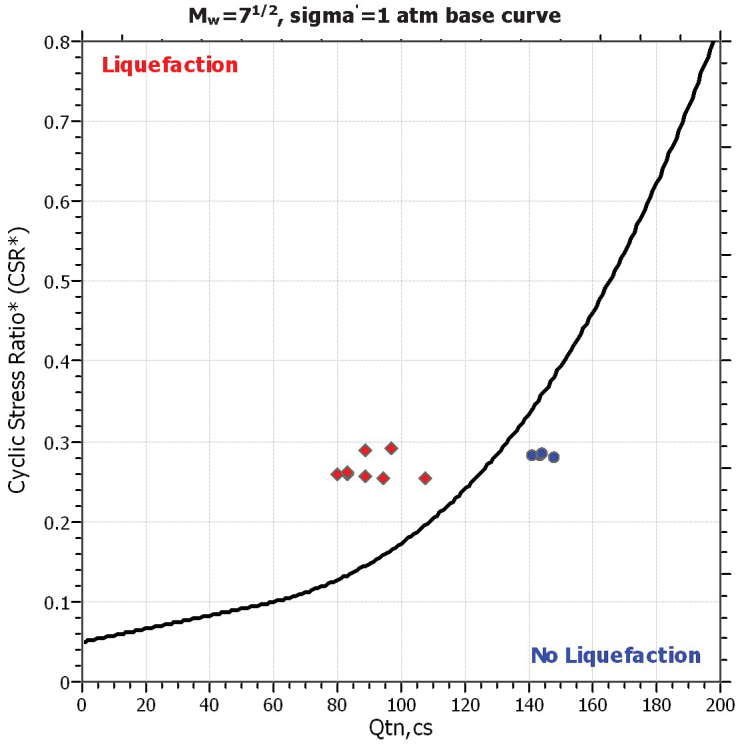
Project title : **Location :**

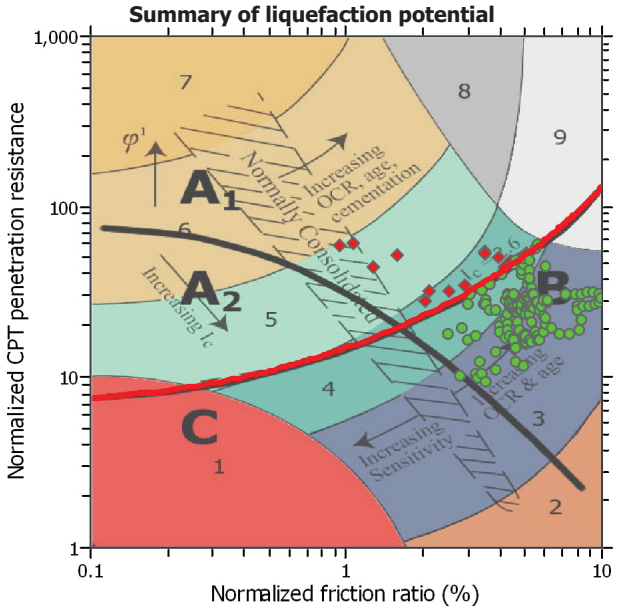
CPT file : CPT-4

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

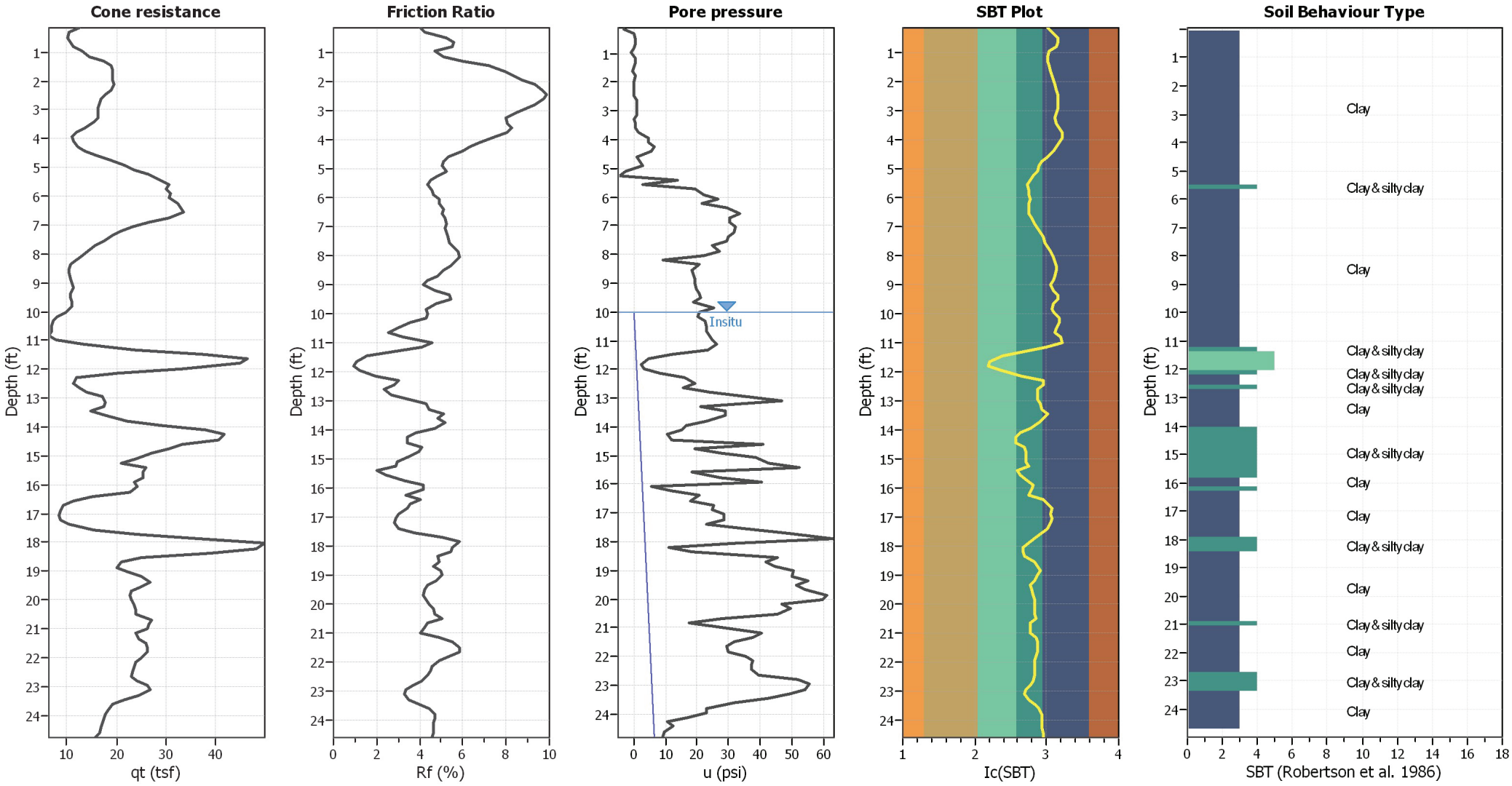






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



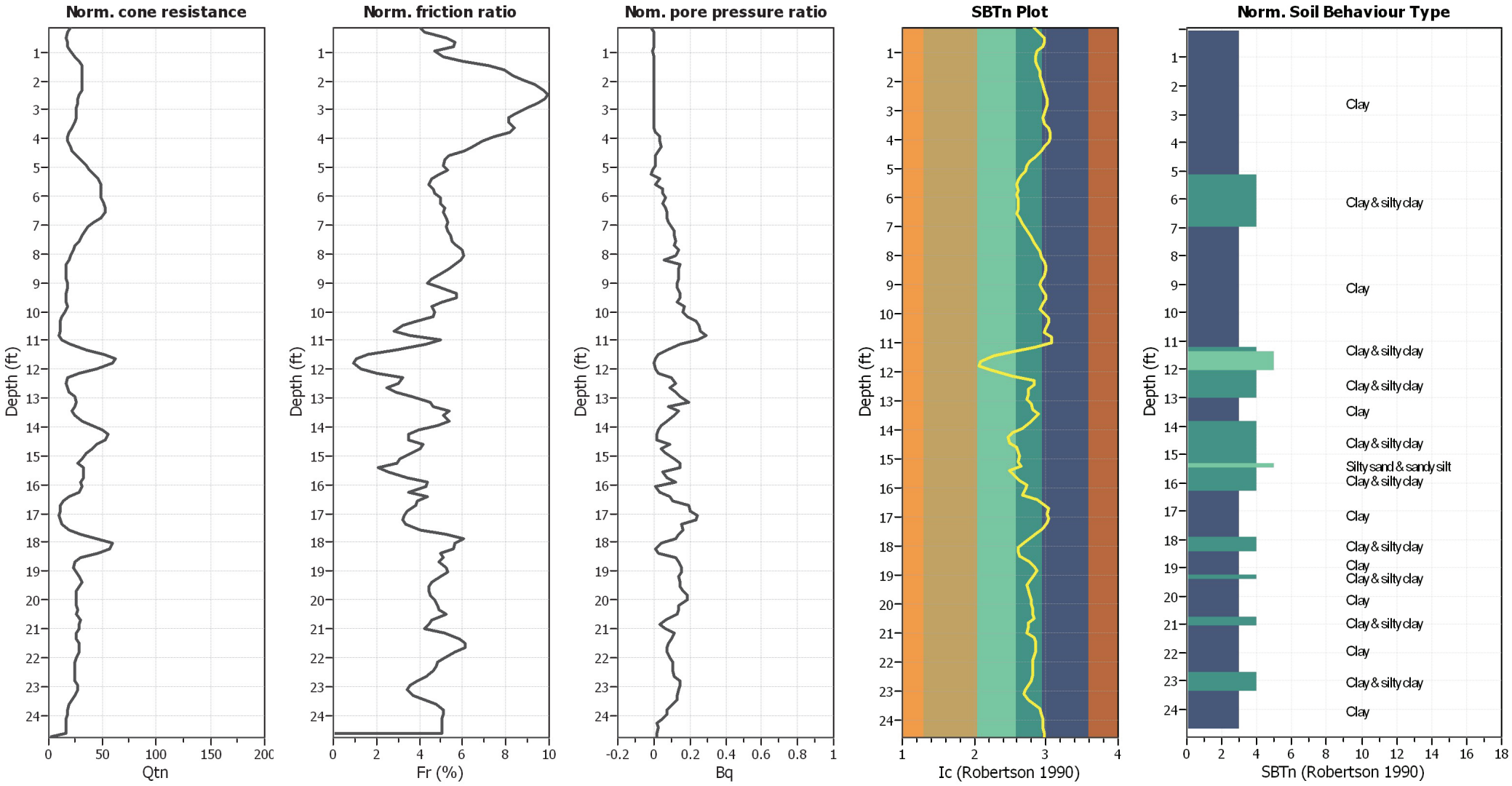
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



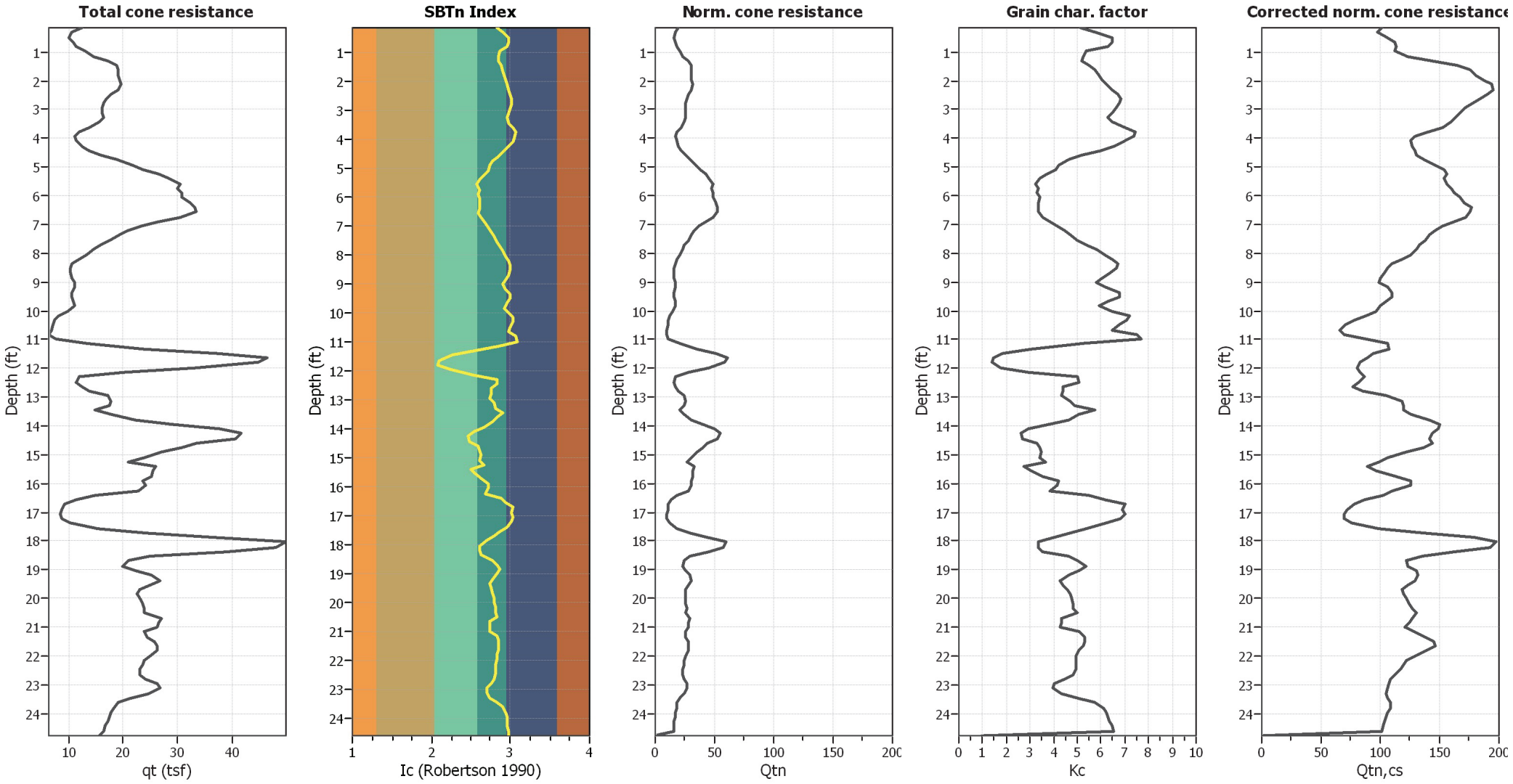
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
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9. Very stiff fine grained

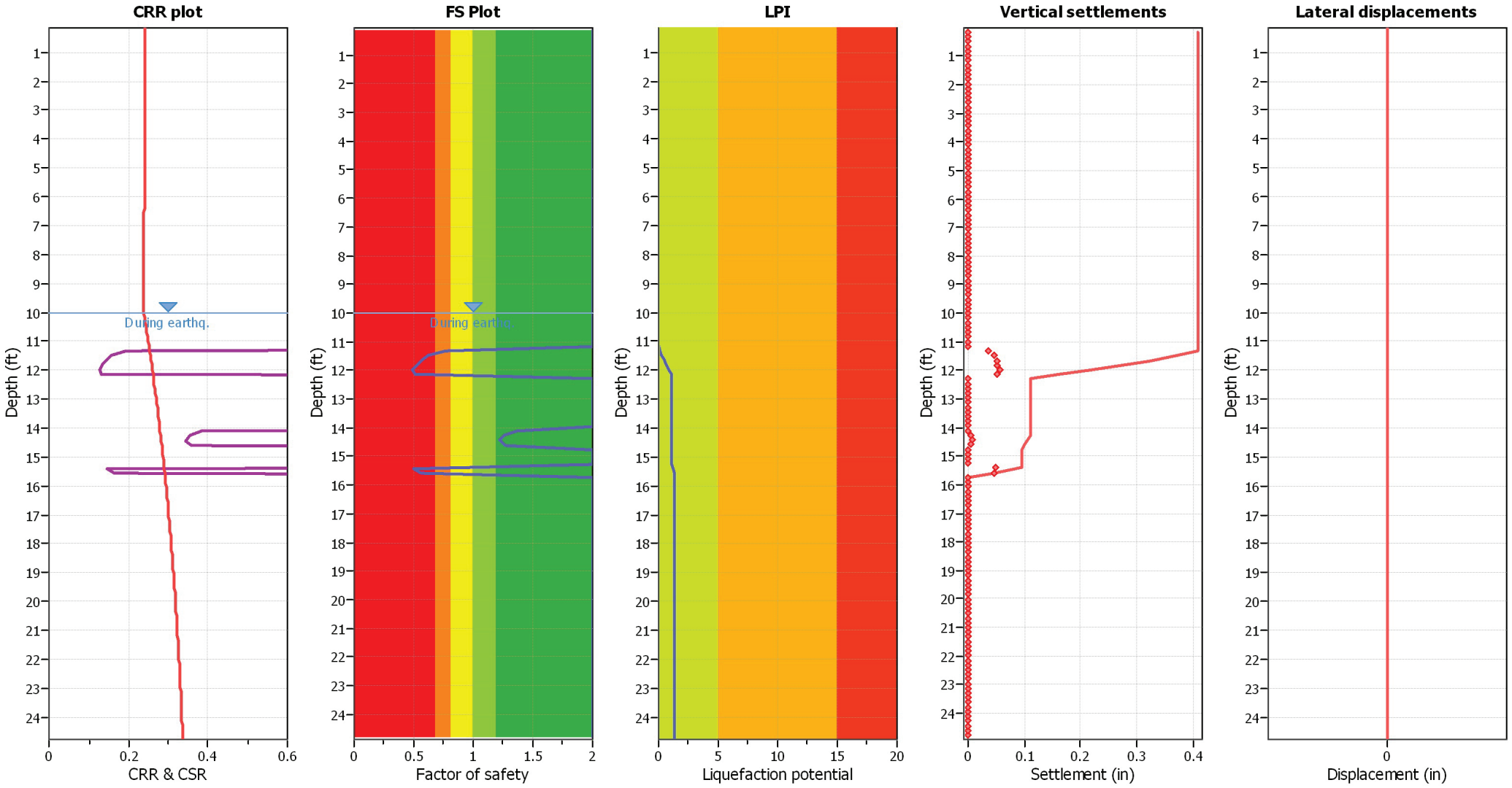
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

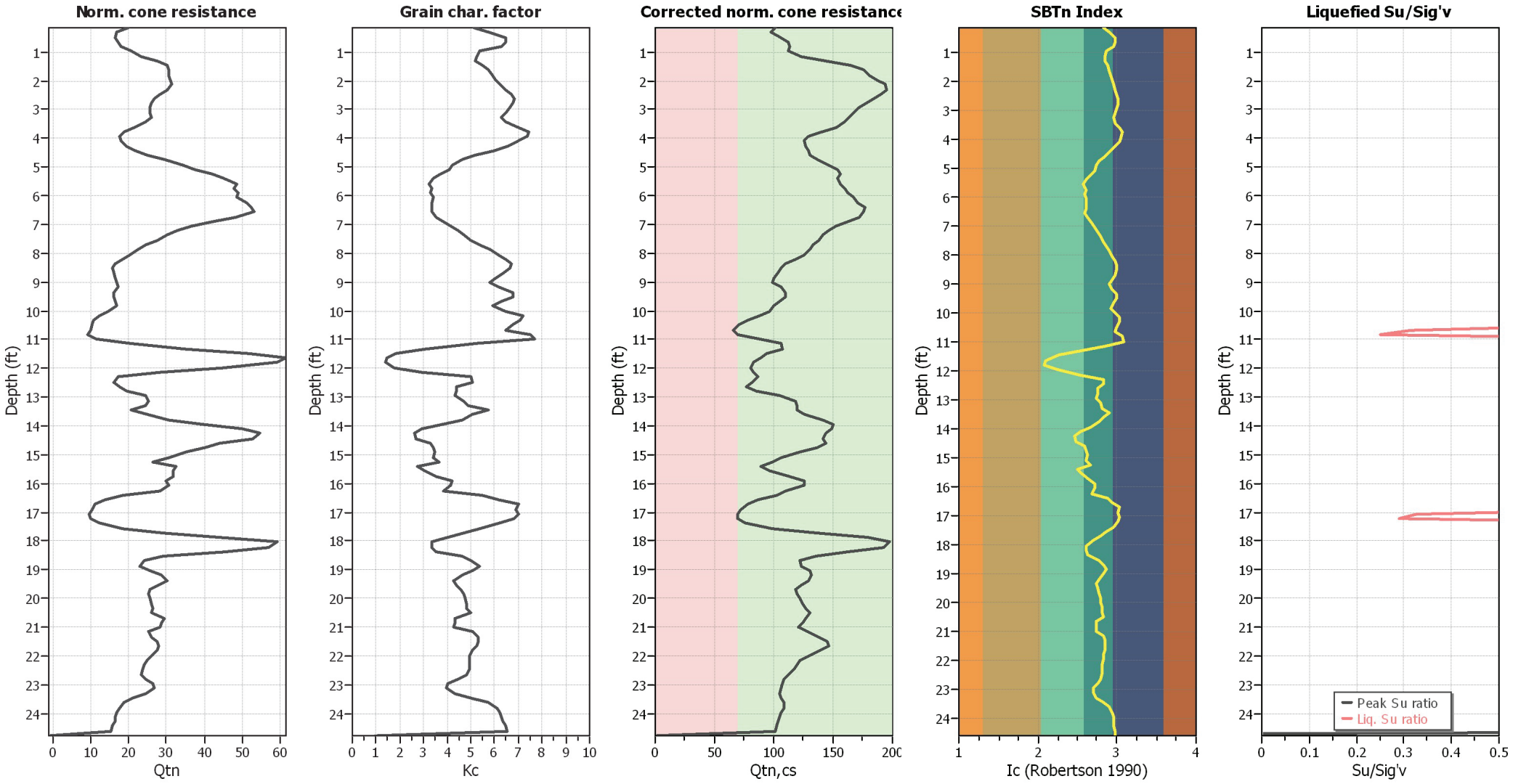
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

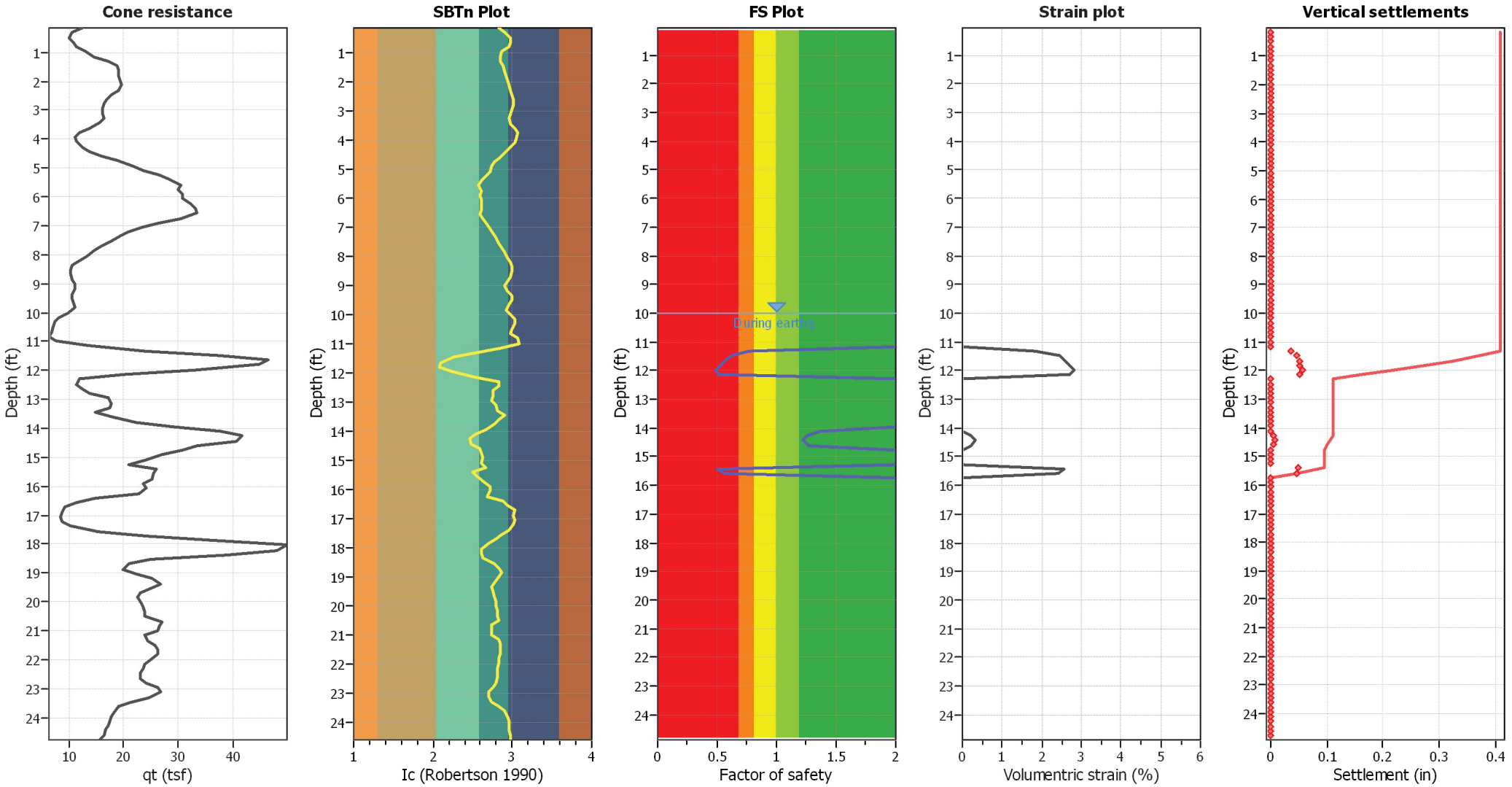
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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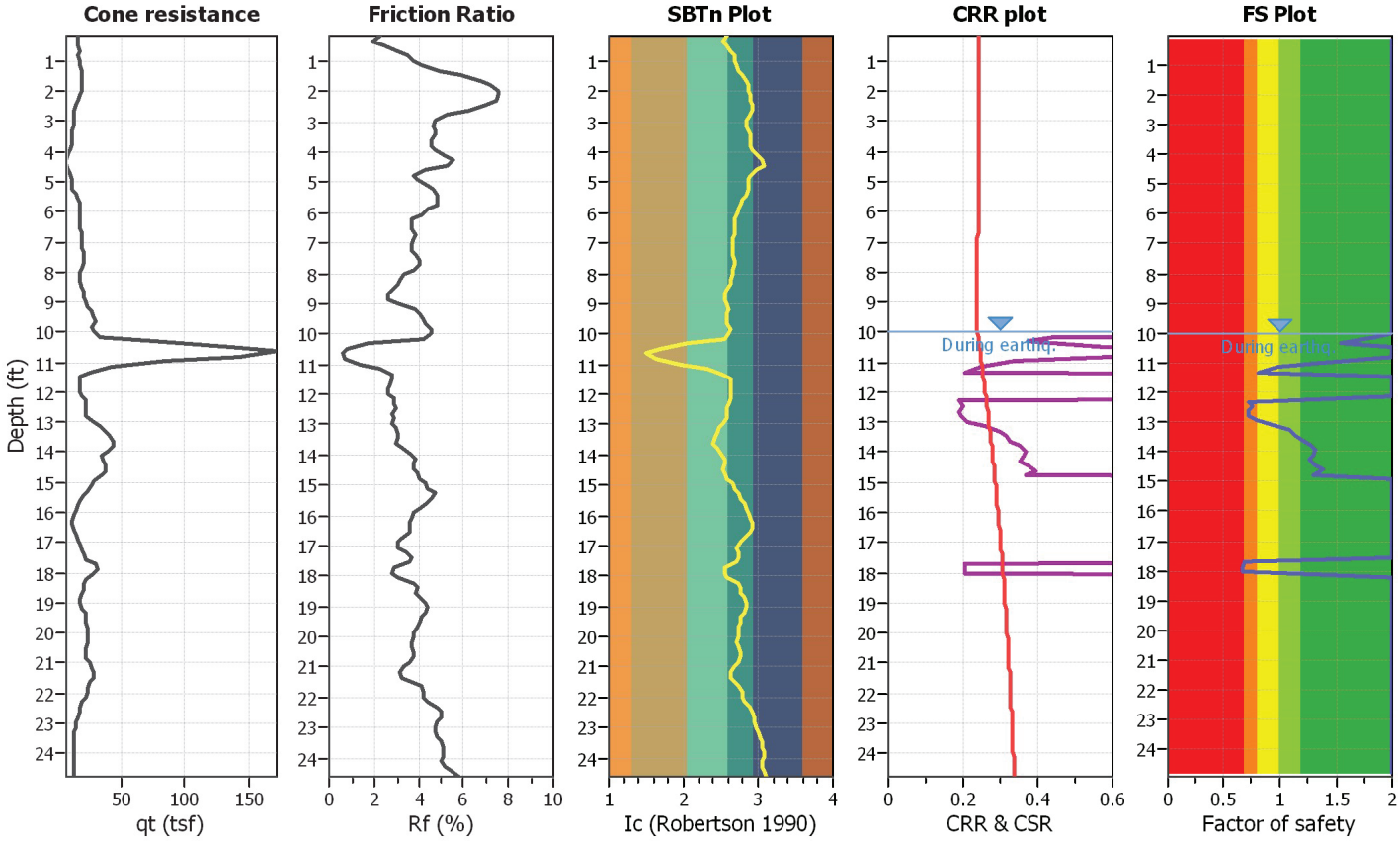
LIQUEFACTION ANALYSIS REPORT

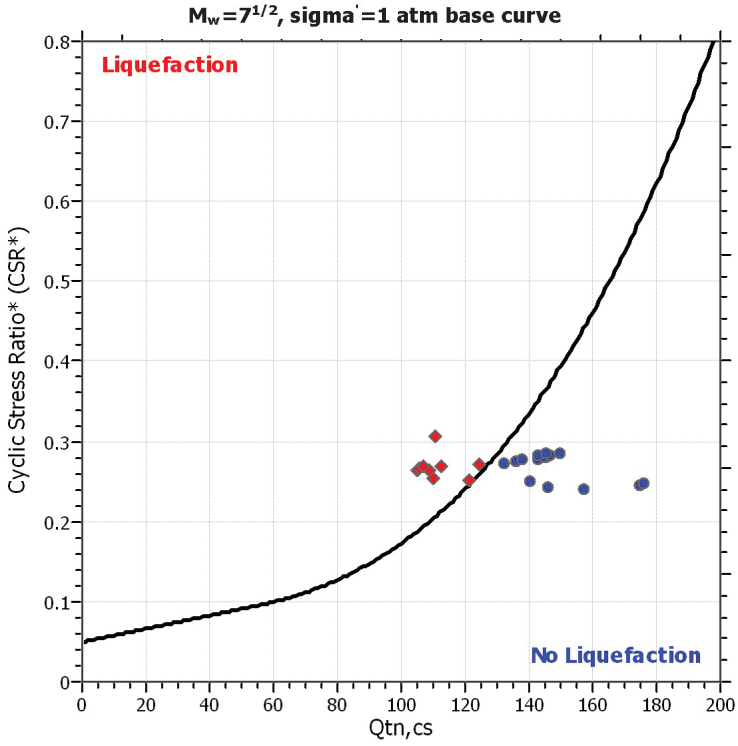
Project title : **Location :**

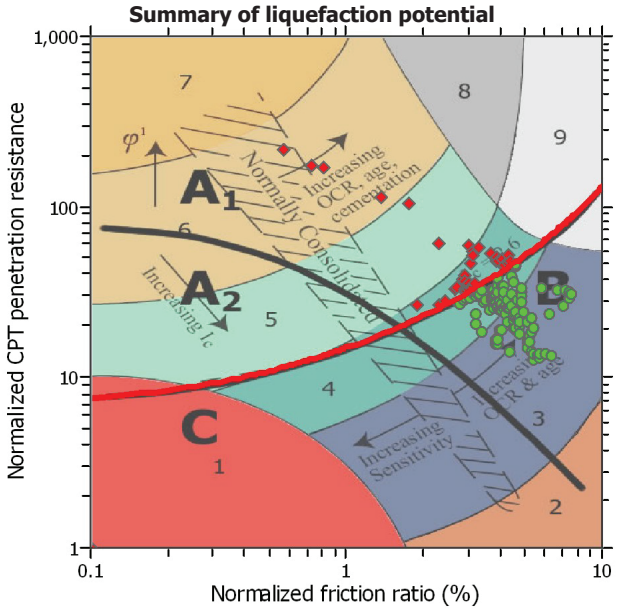
CPT file : CPT-5

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

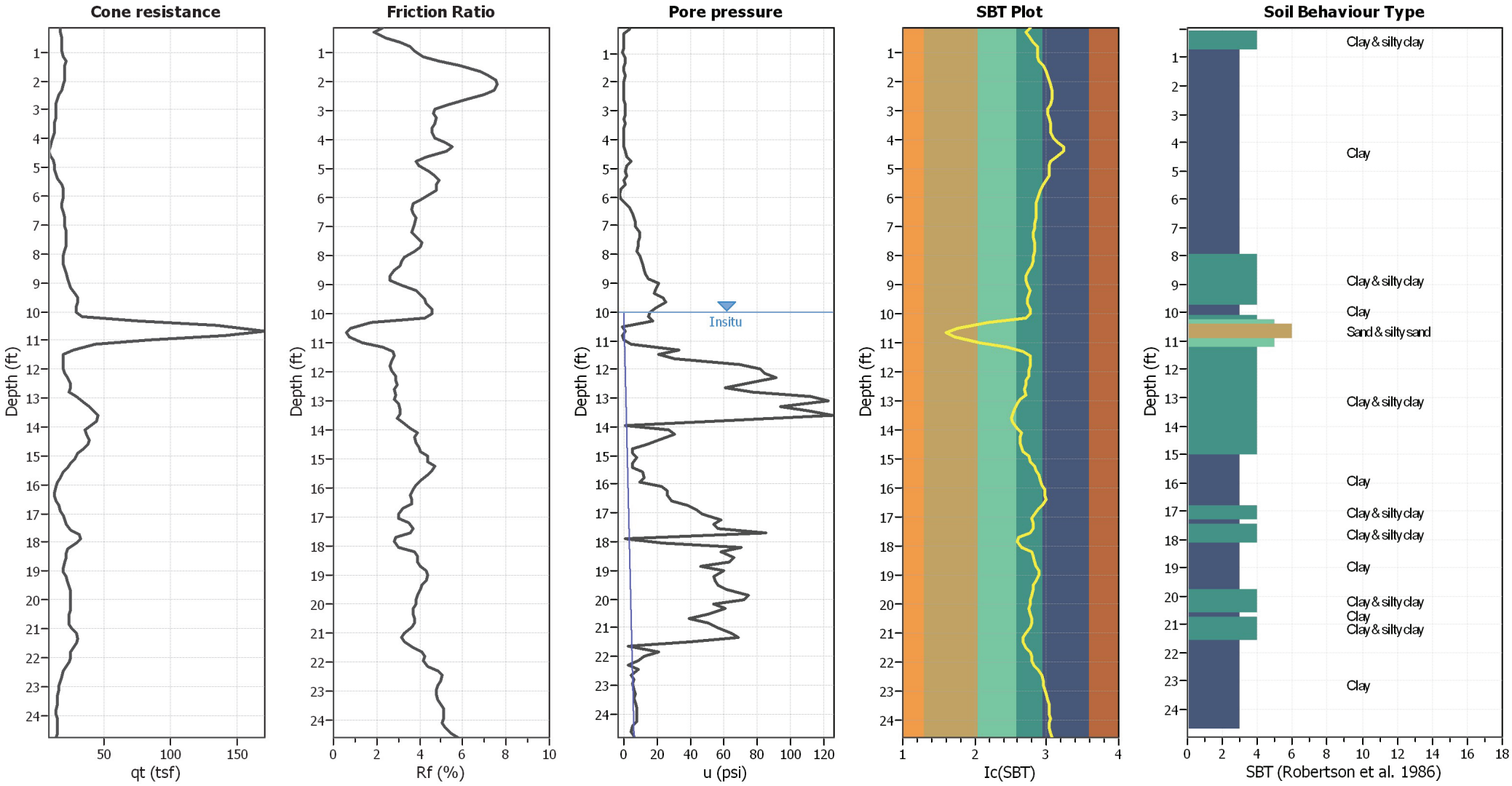






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



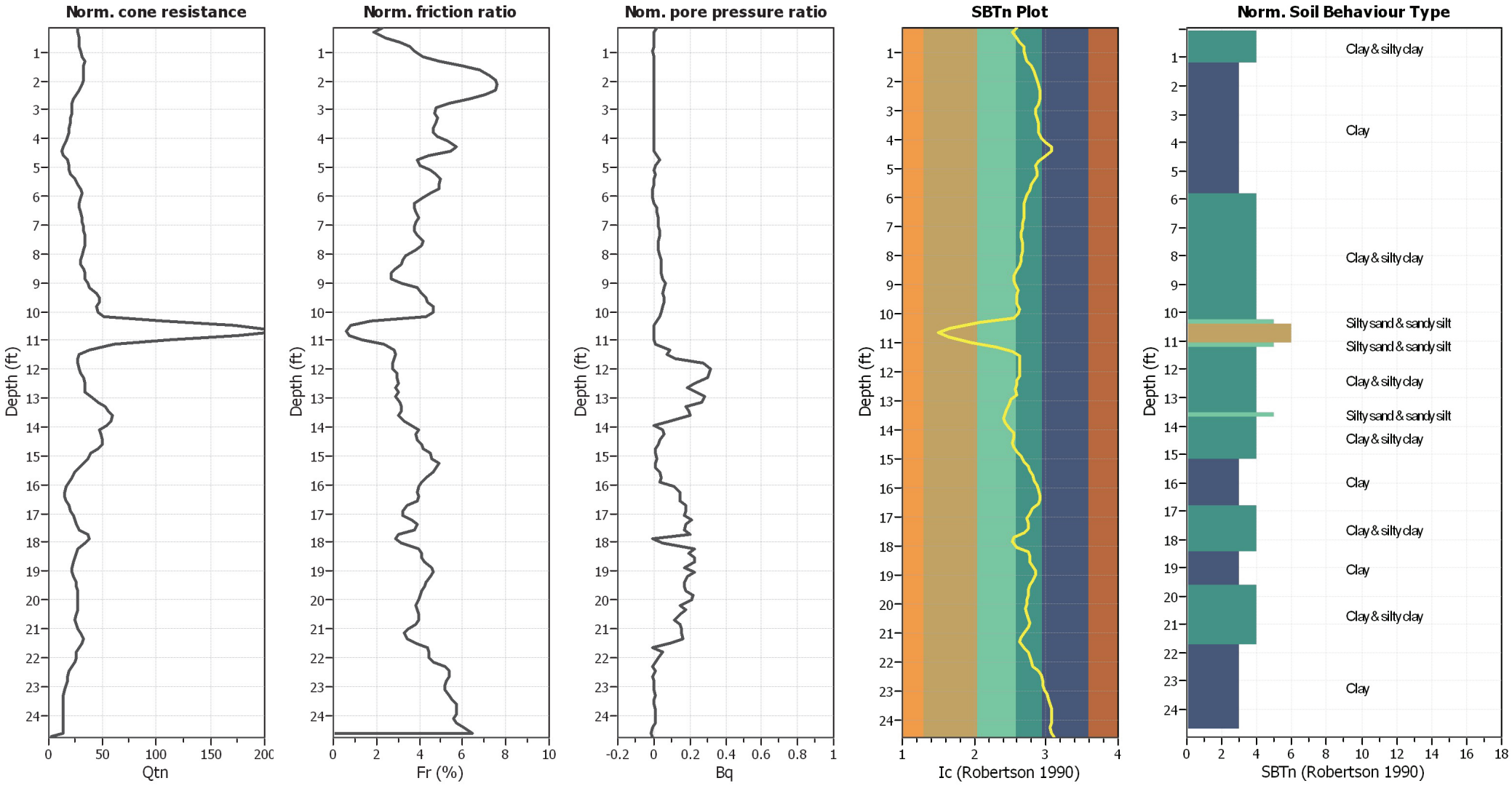
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



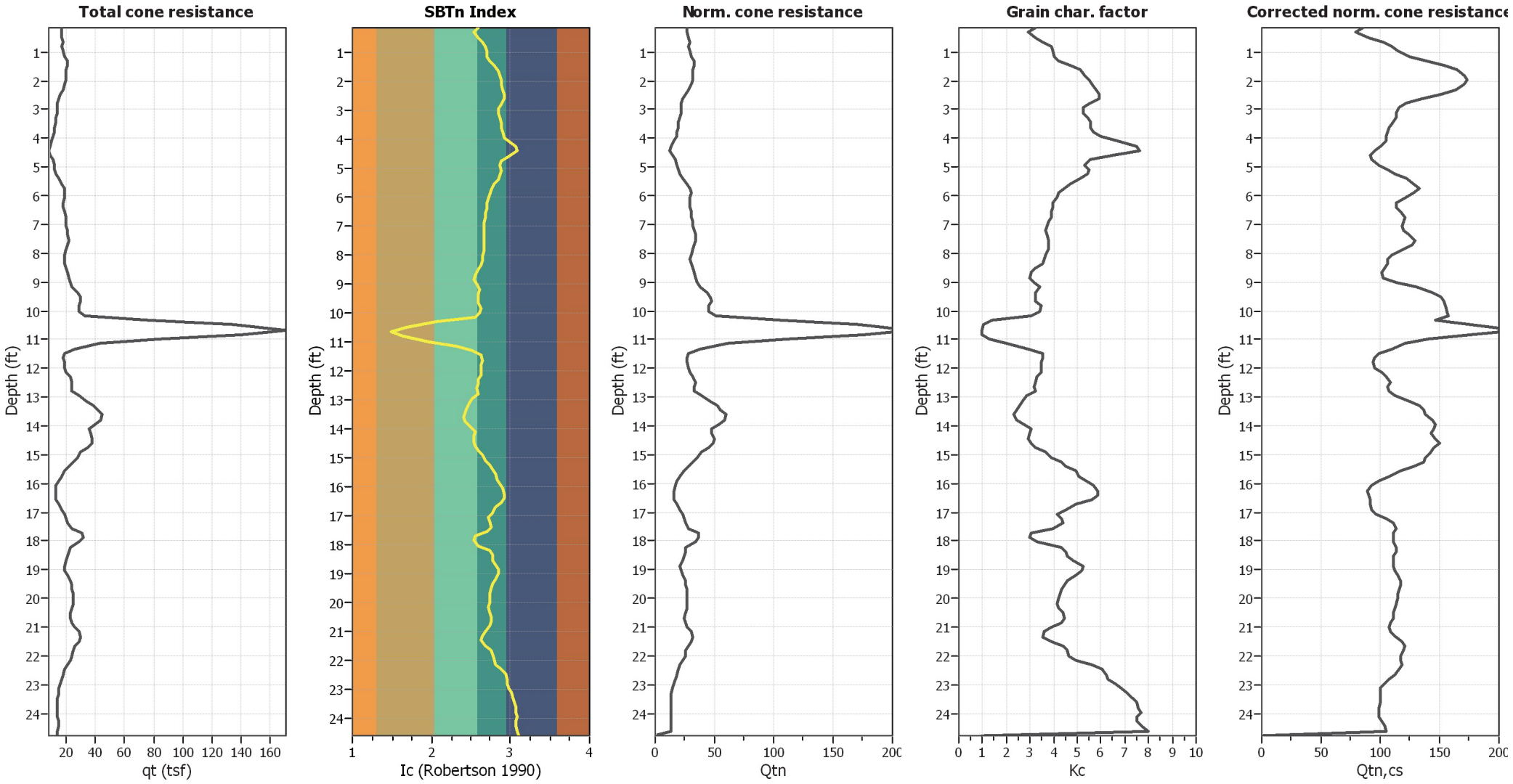
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

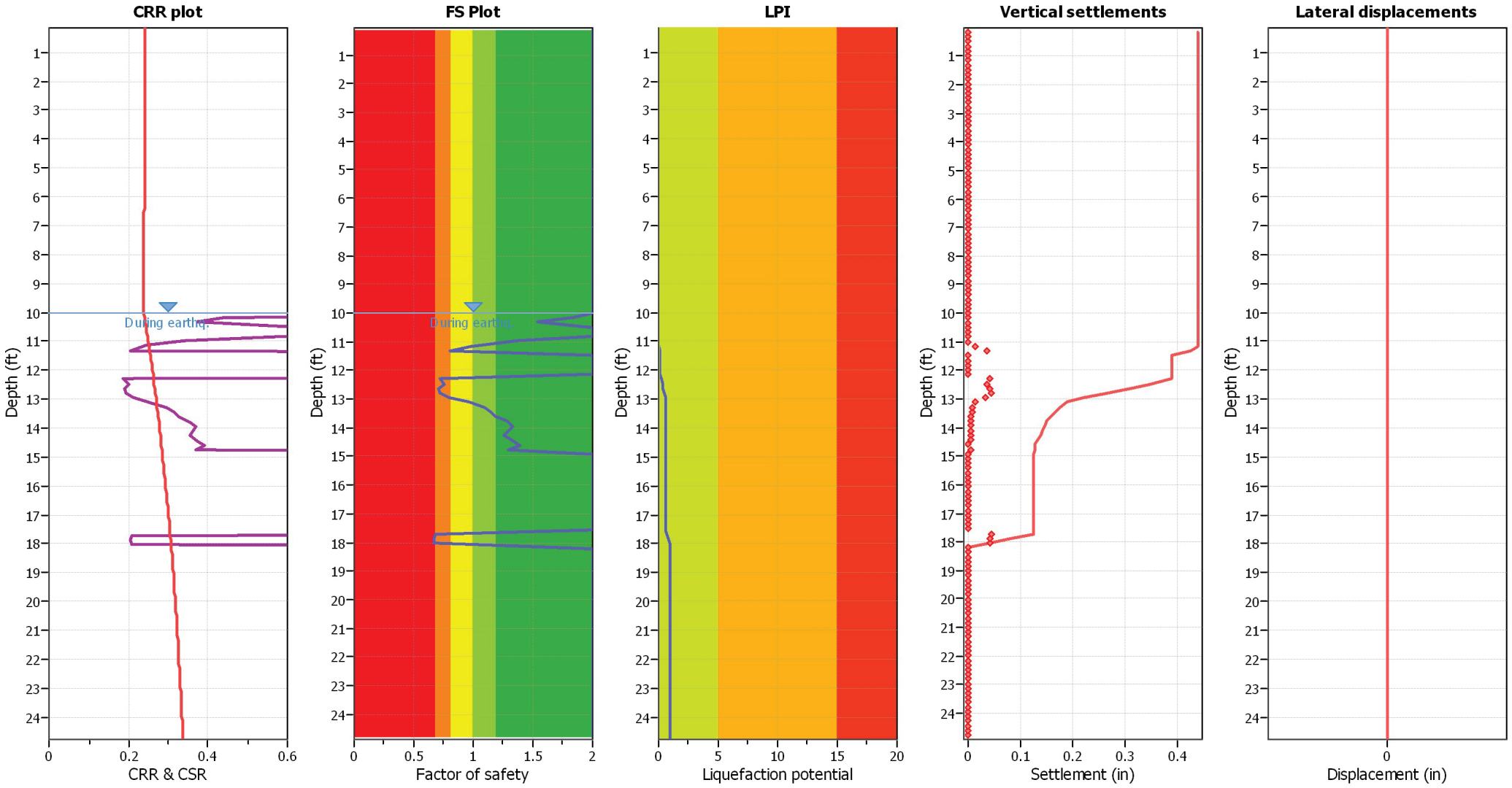
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

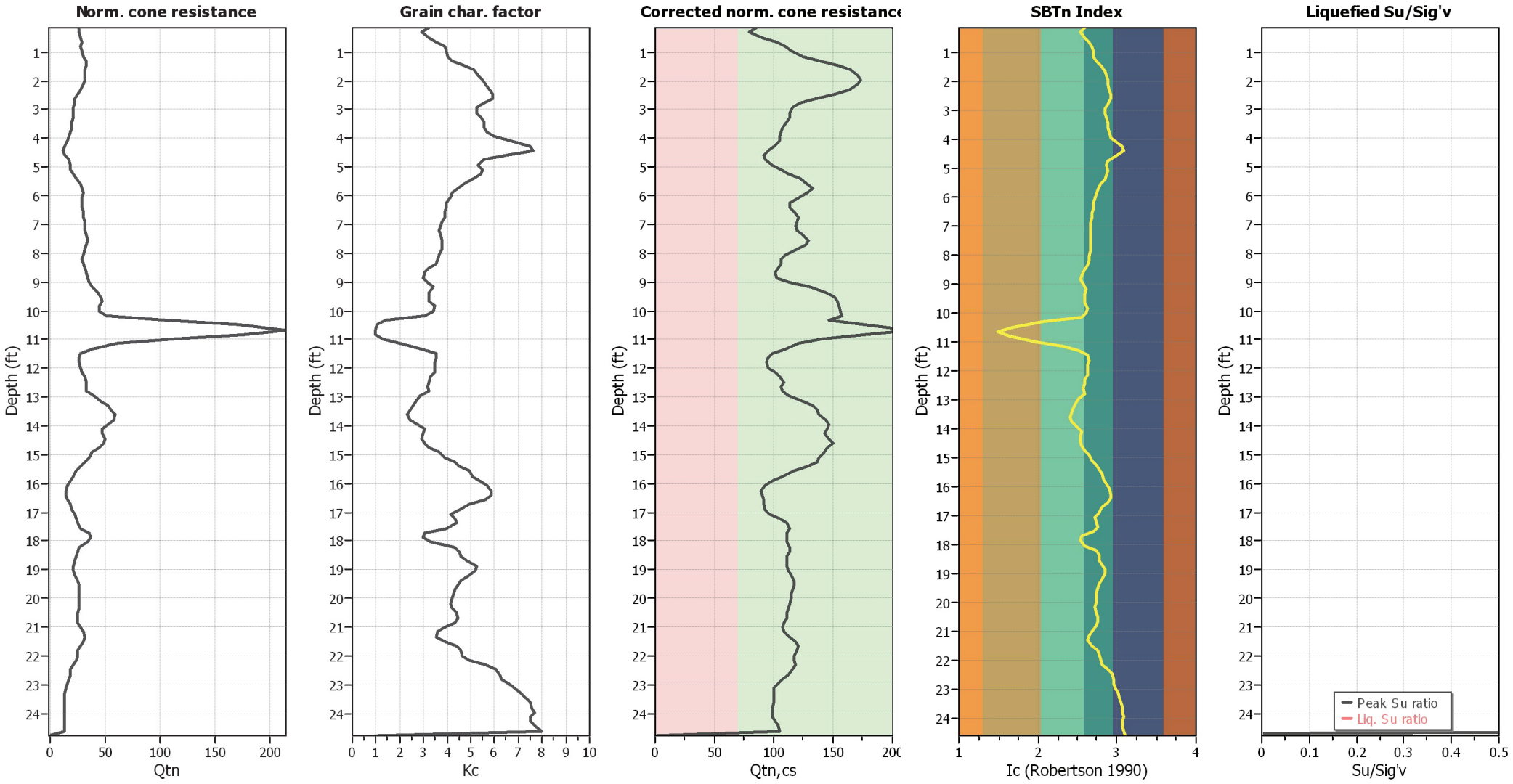
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

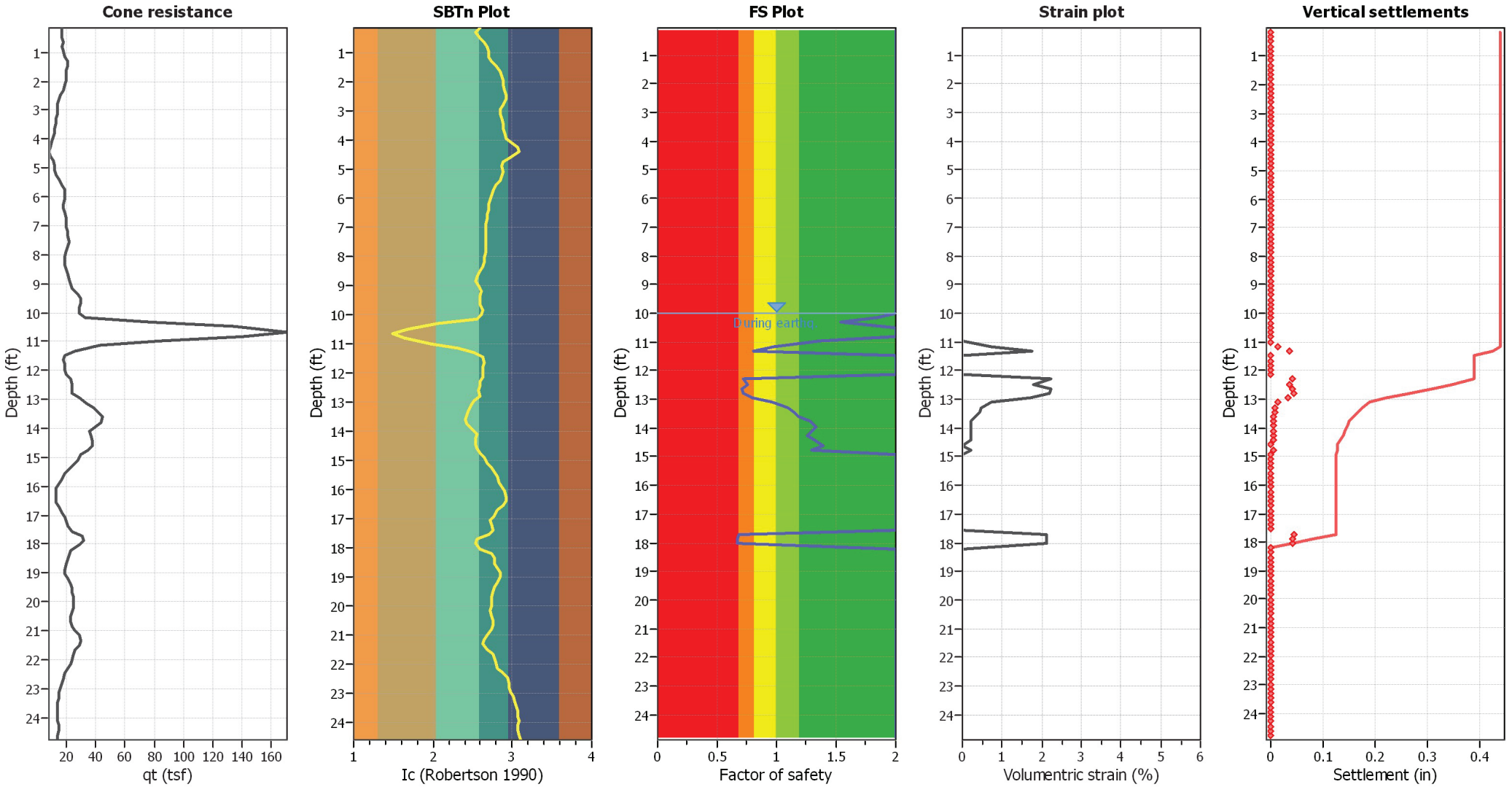
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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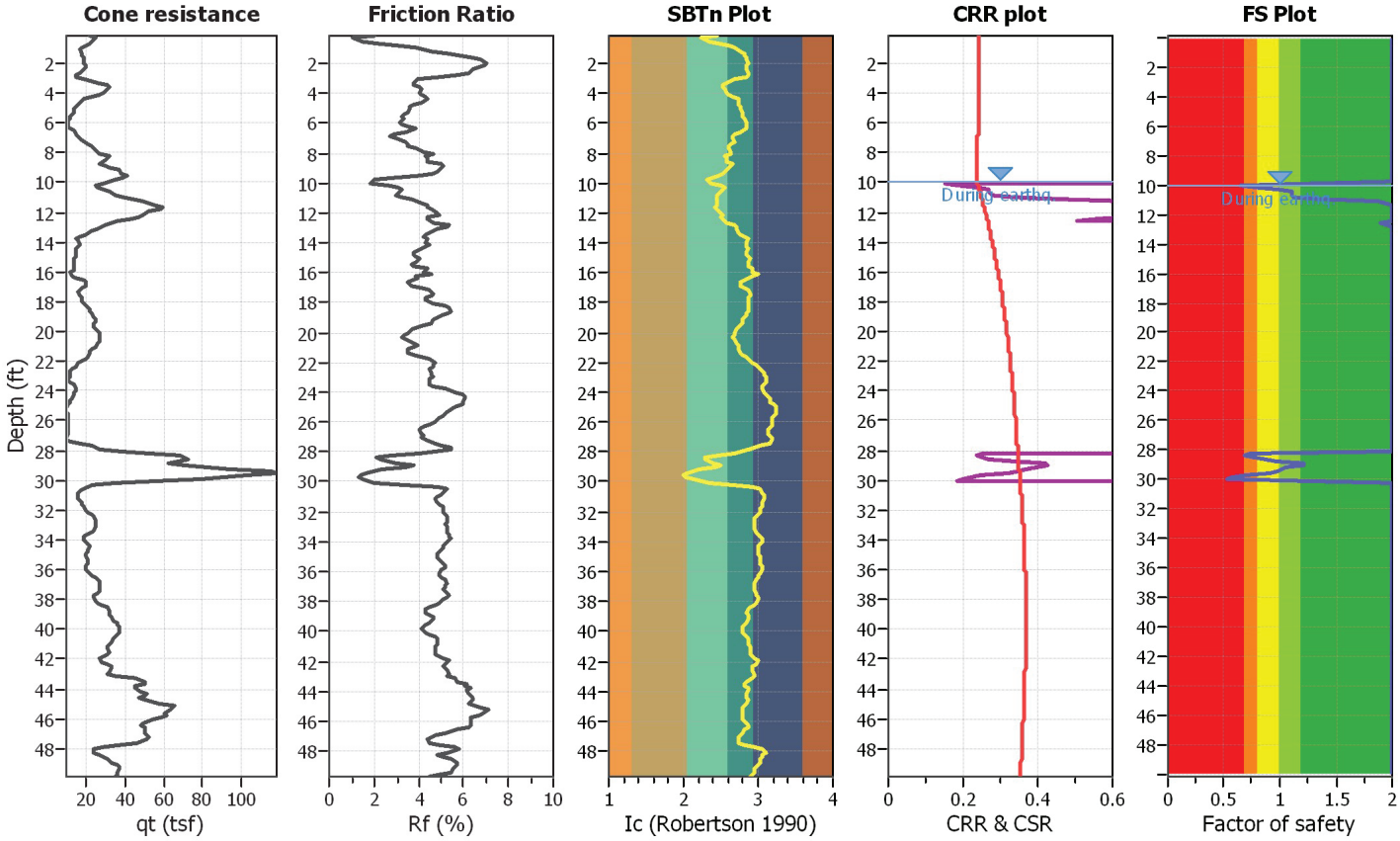
LIQUEFACTION ANALYSIS REPORT

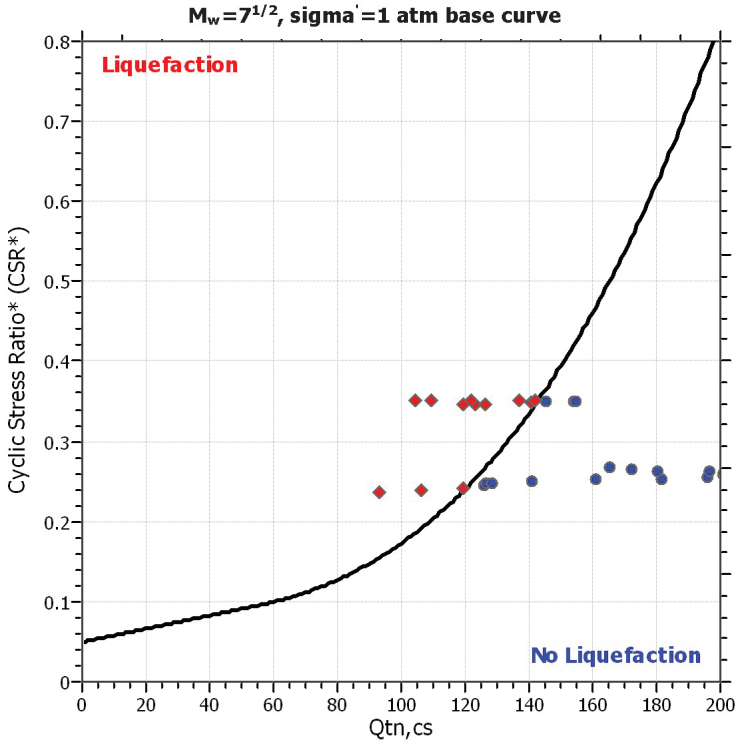
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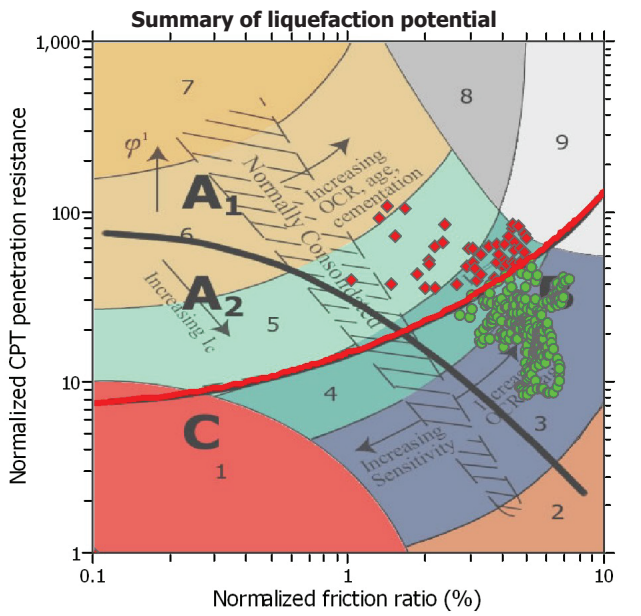
CPT file : CPT-6

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

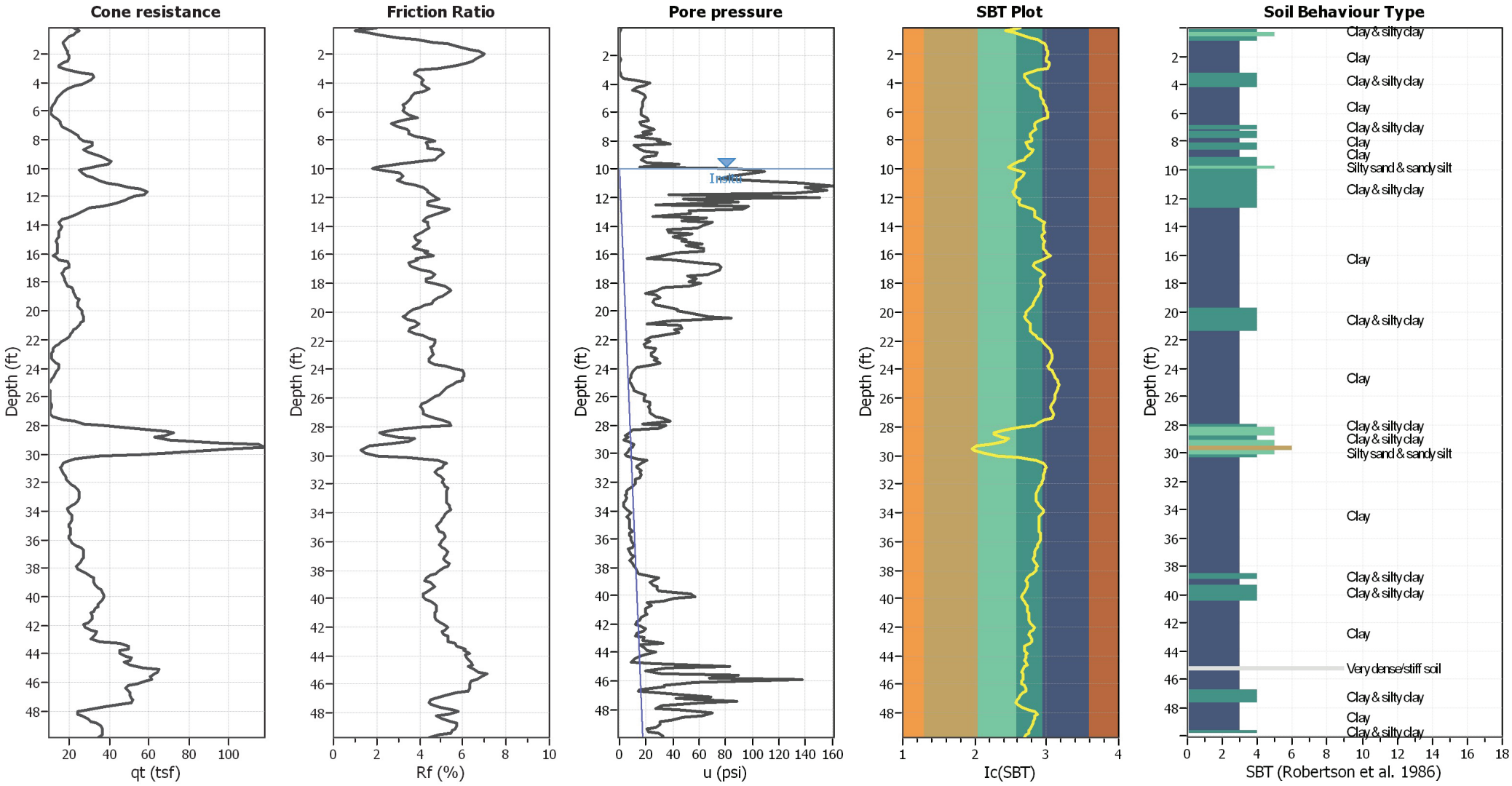






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



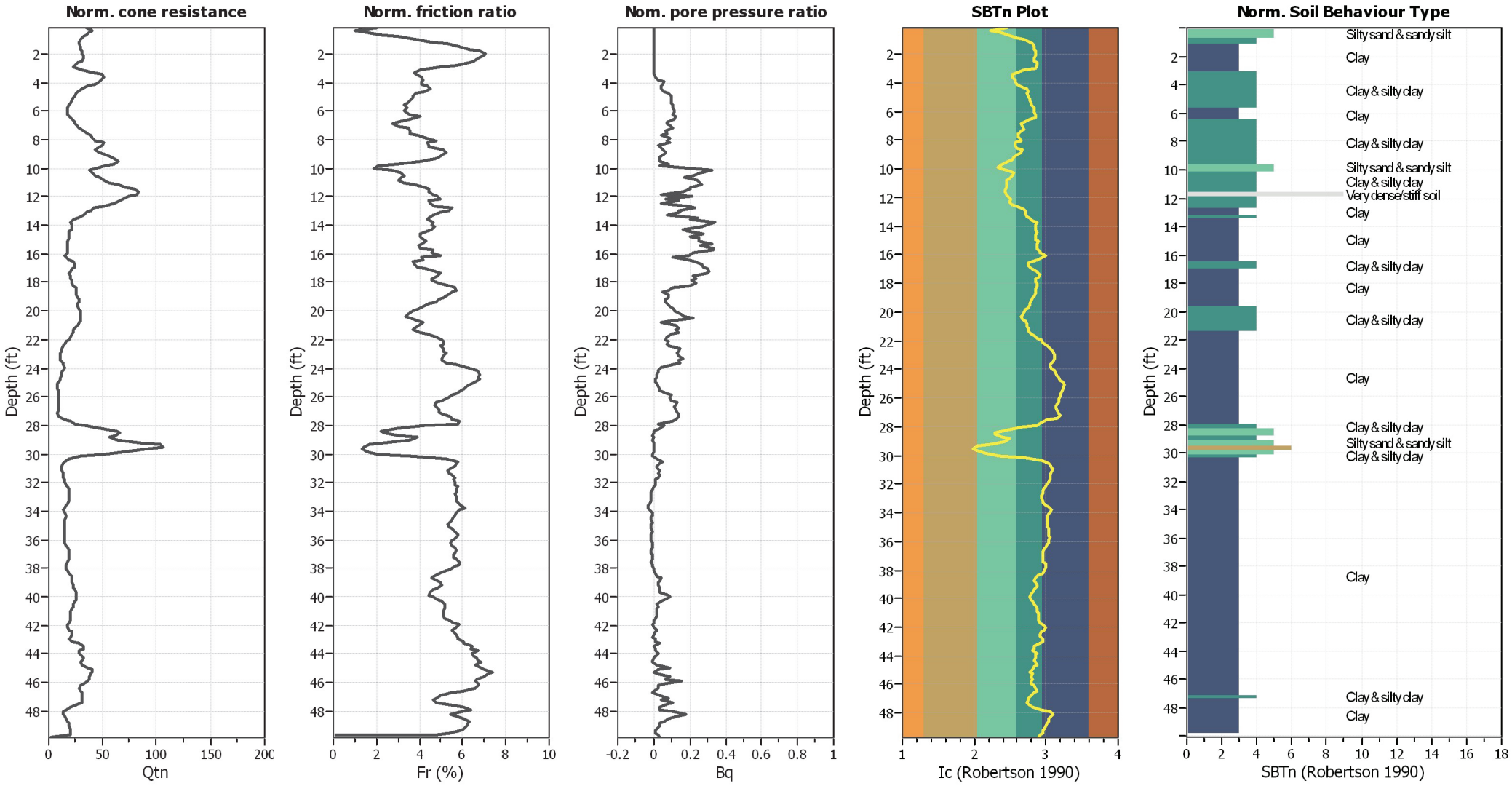
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



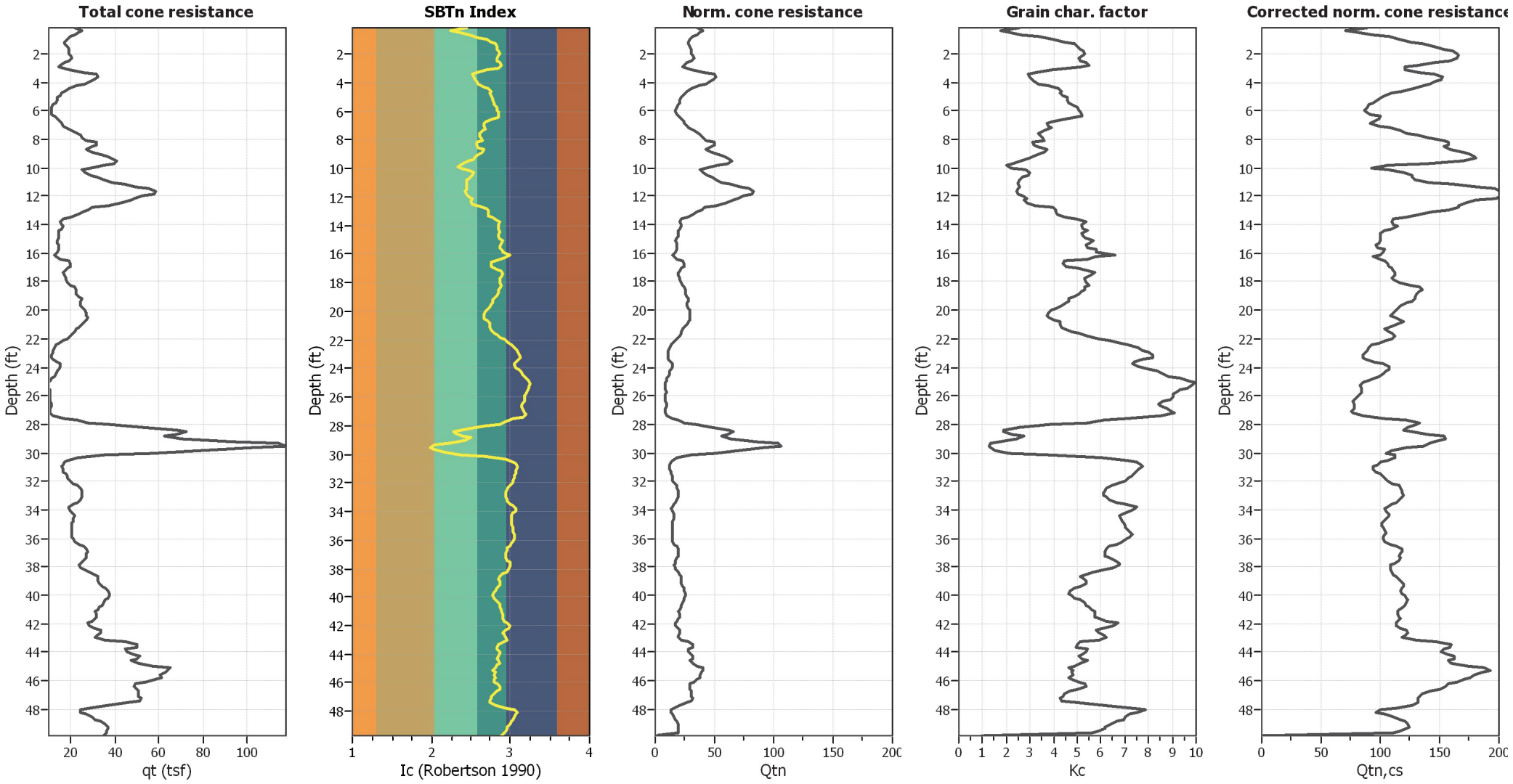
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

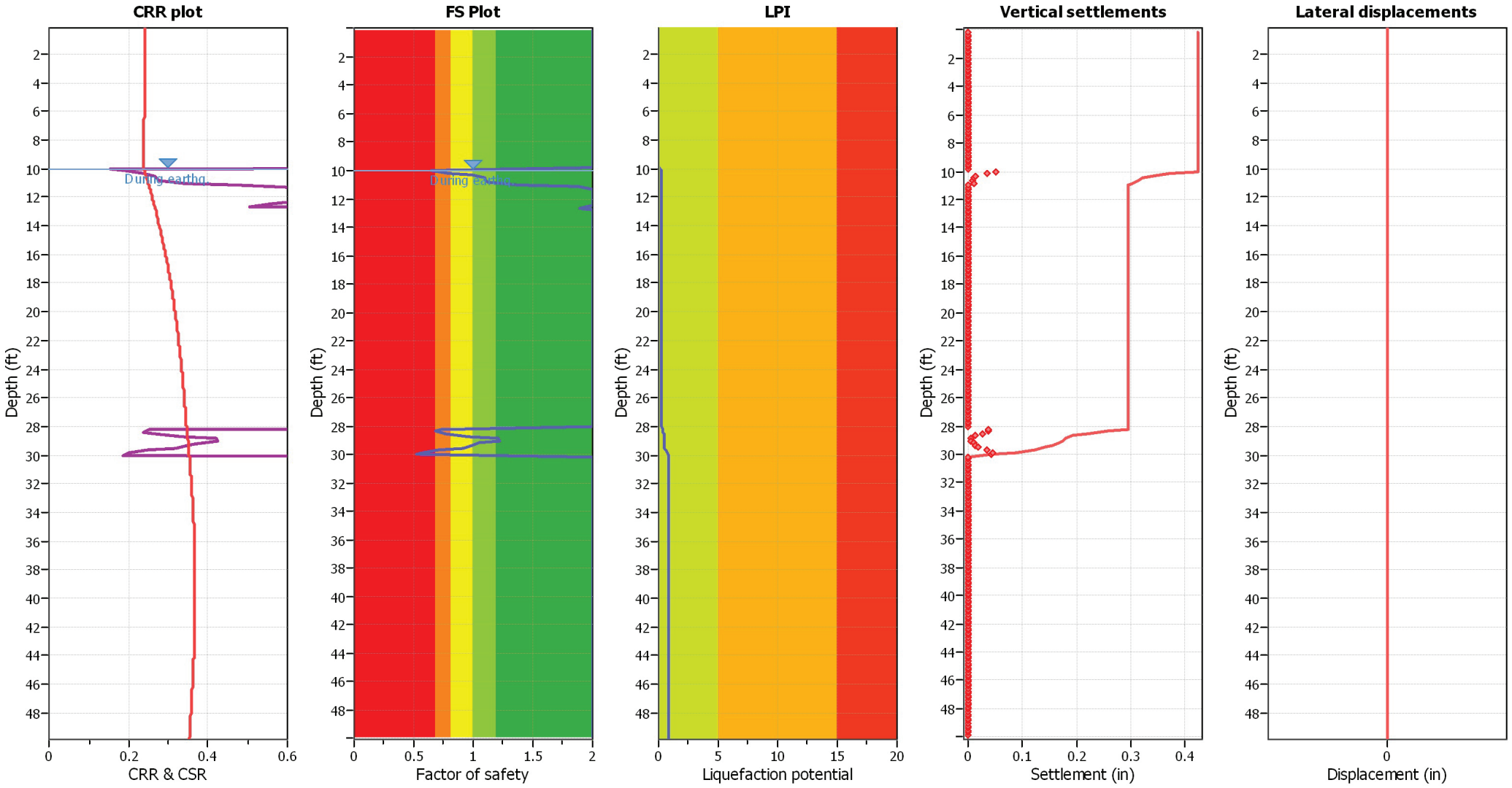
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

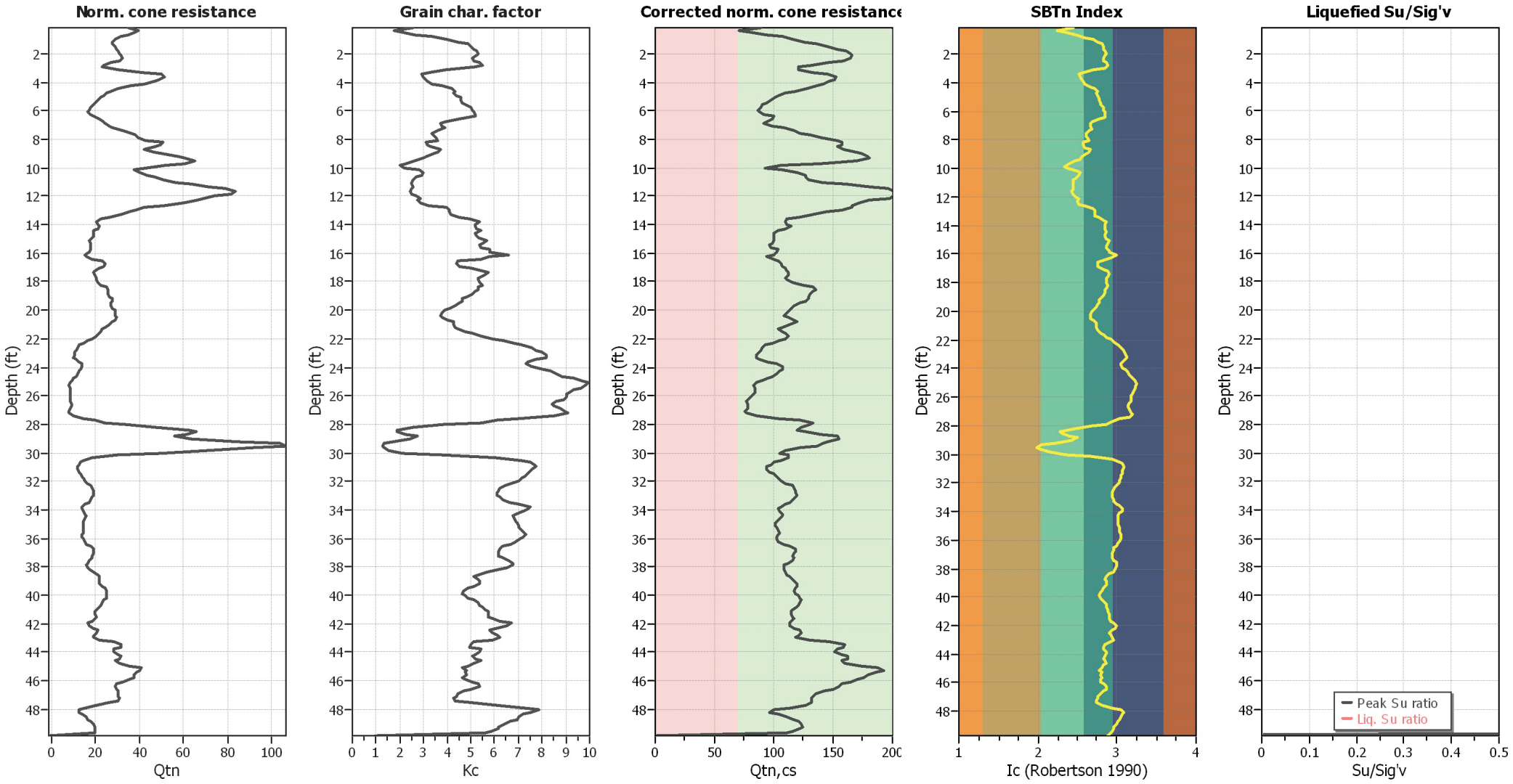
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

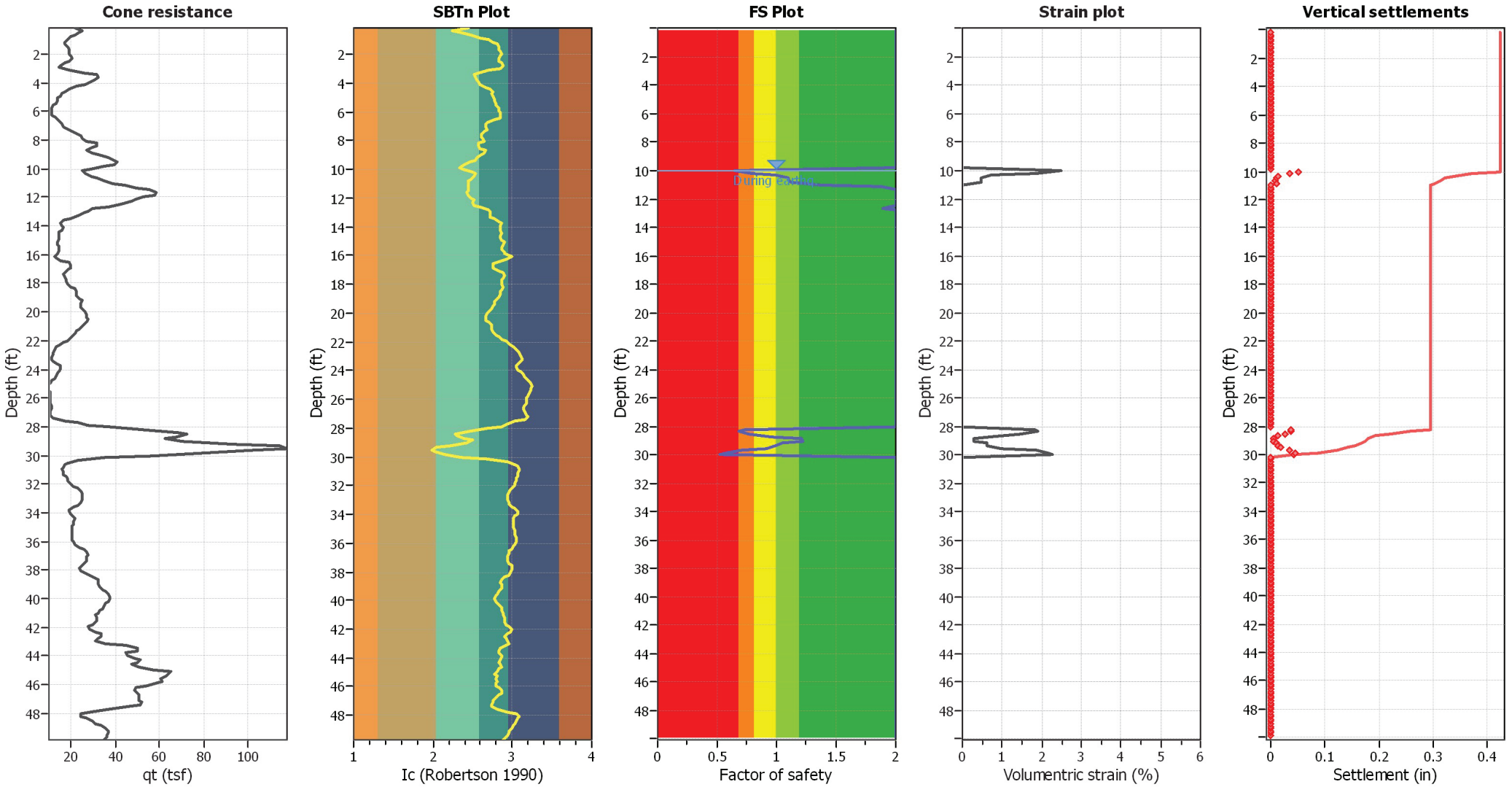
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

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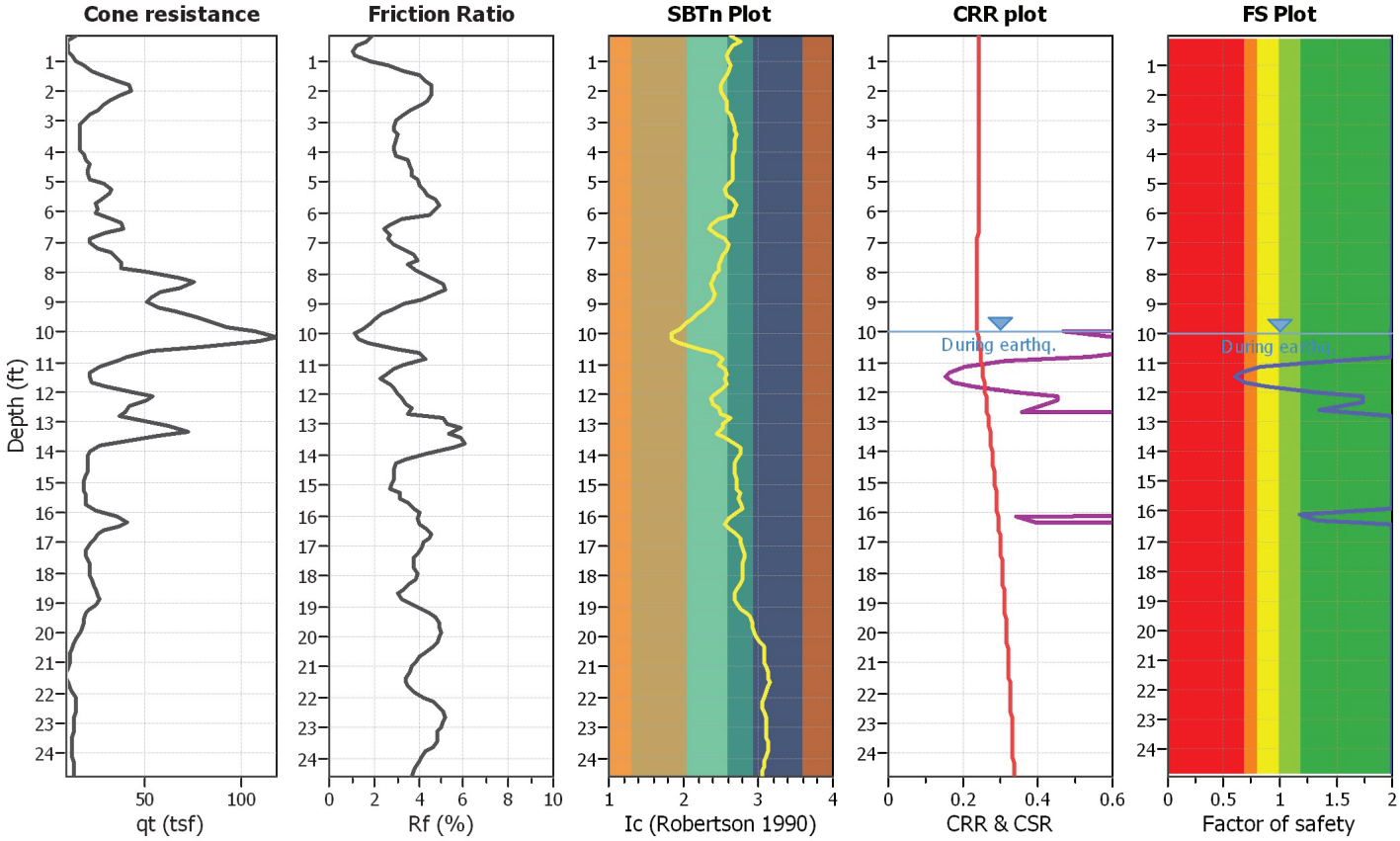
LIQUEFACTION ANALYSIS REPORT

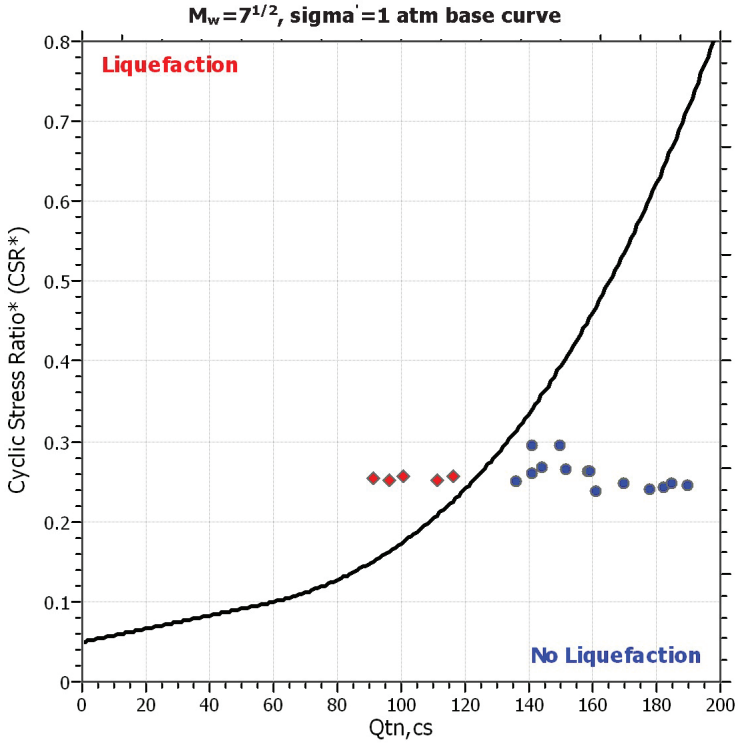
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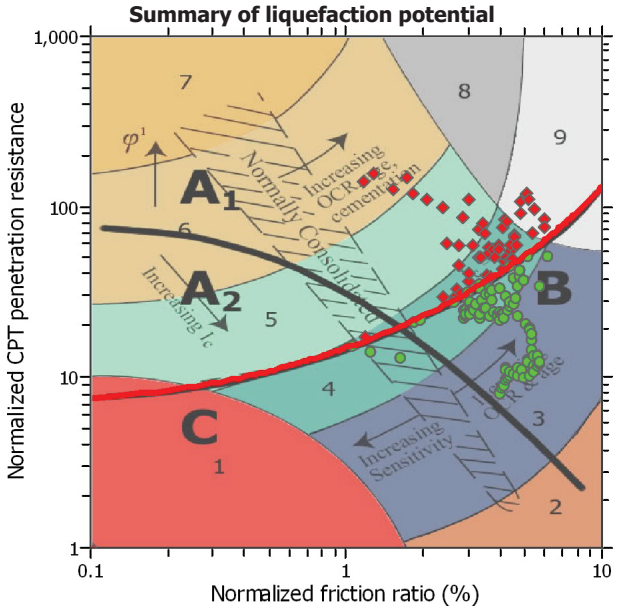
CPT file : CPT-7

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

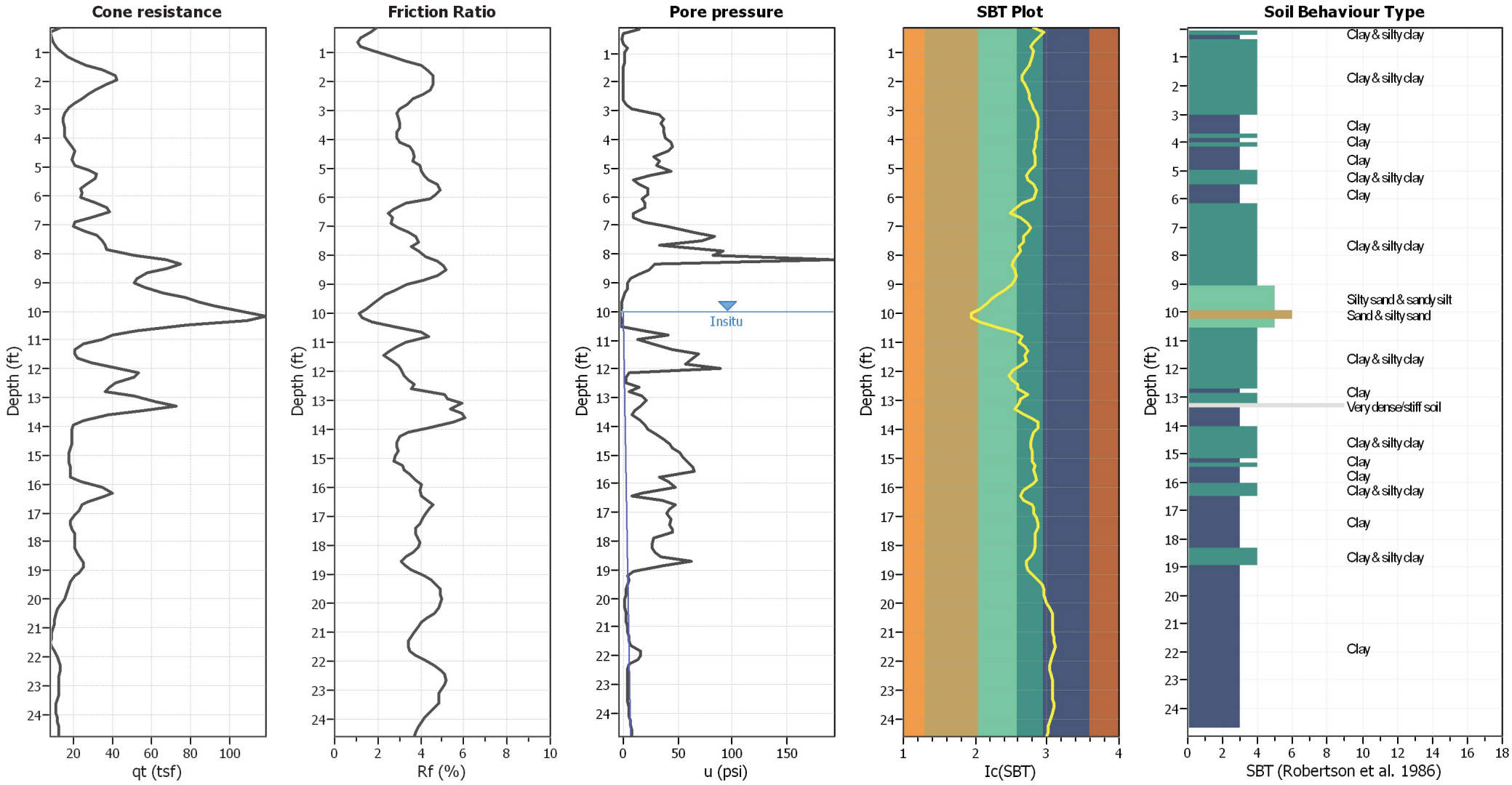






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
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Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



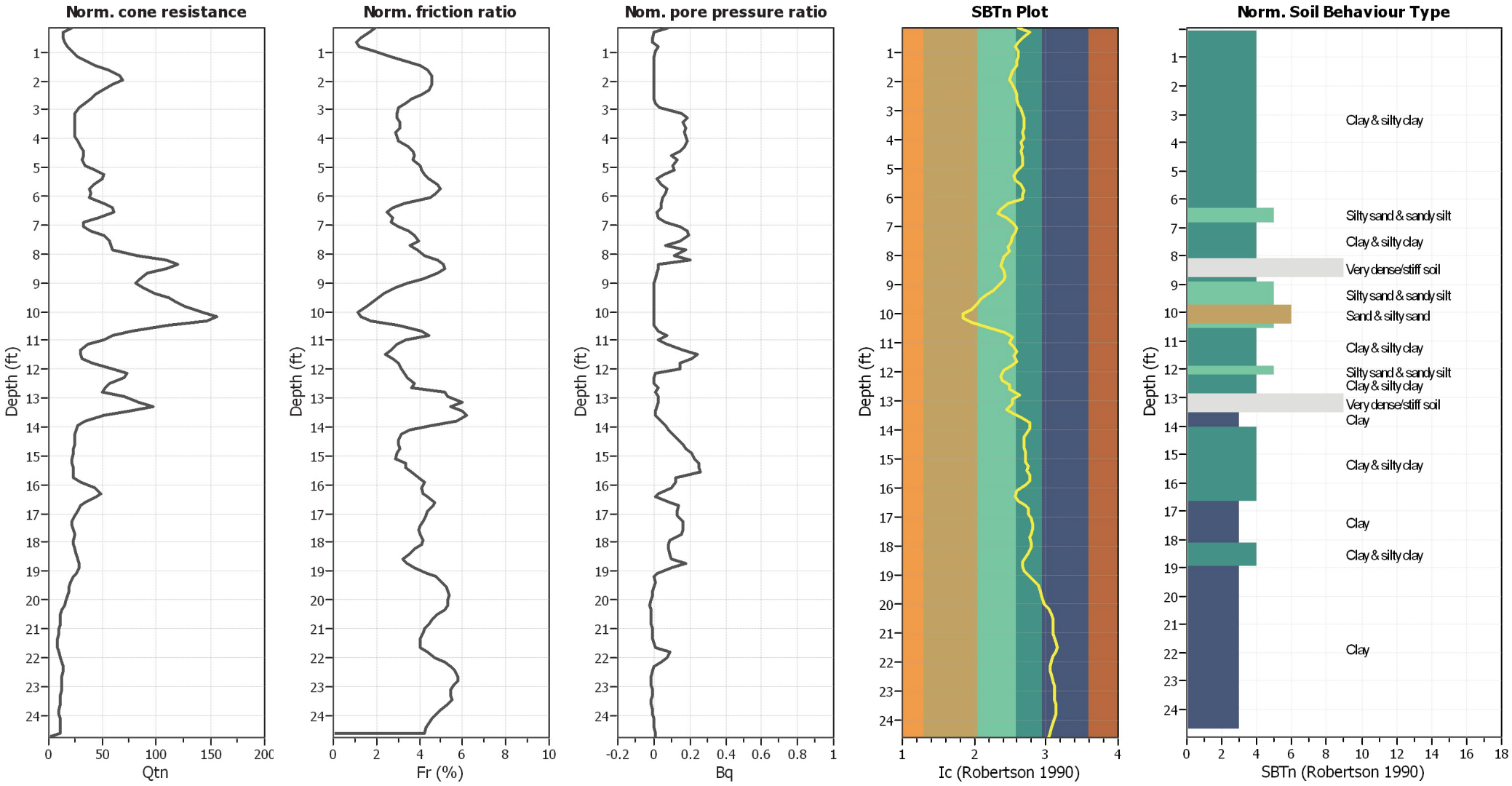
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



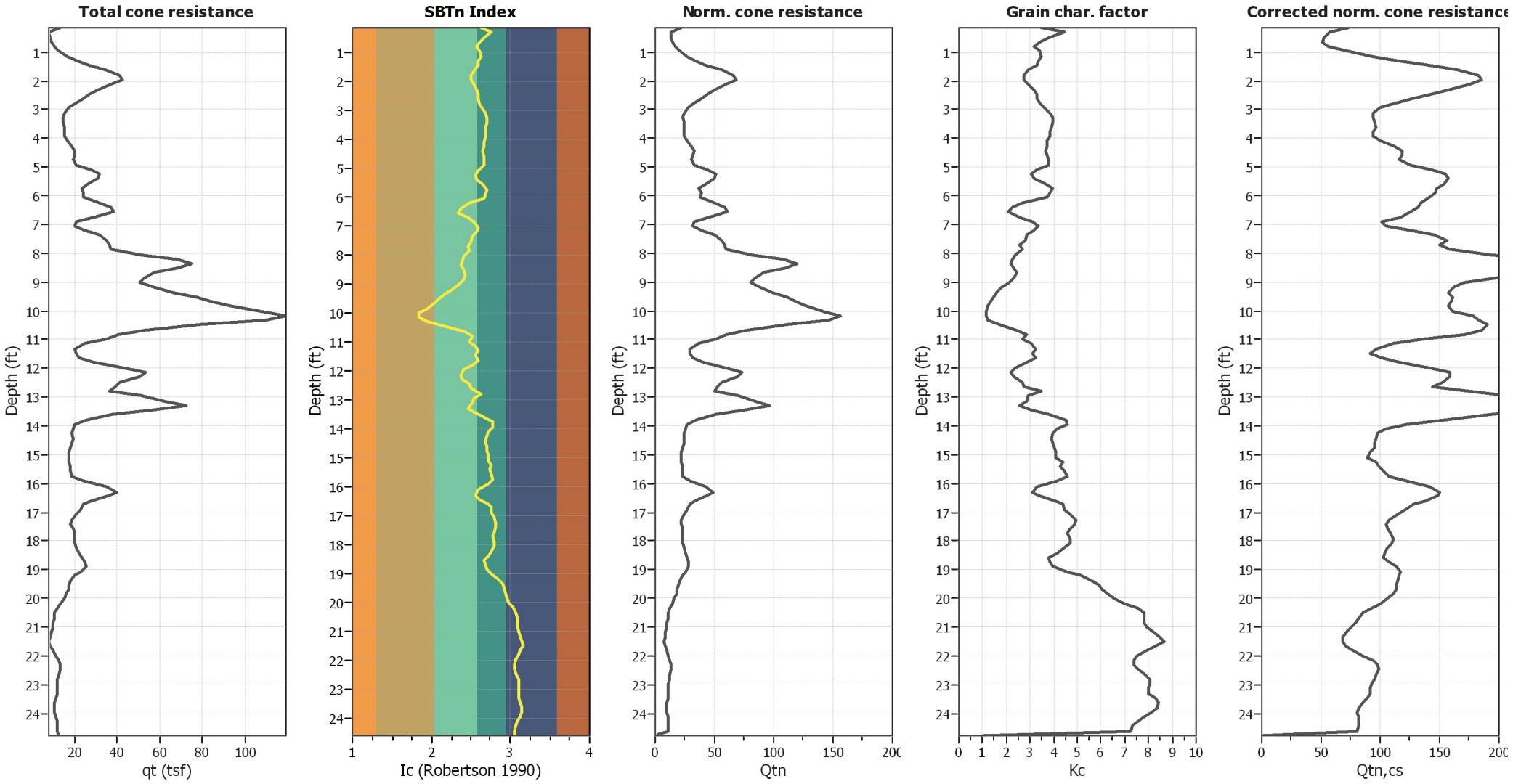
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

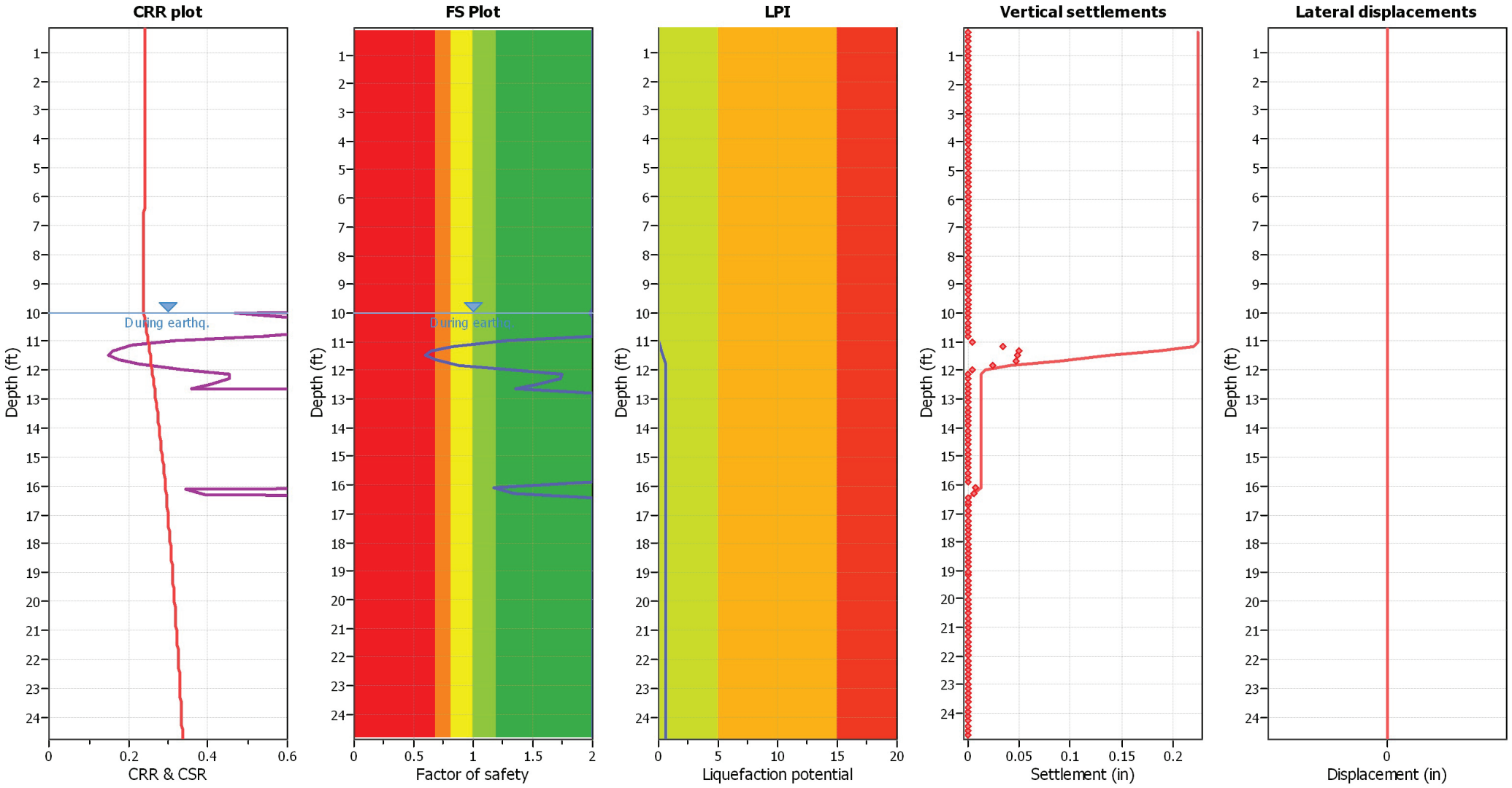
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
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Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

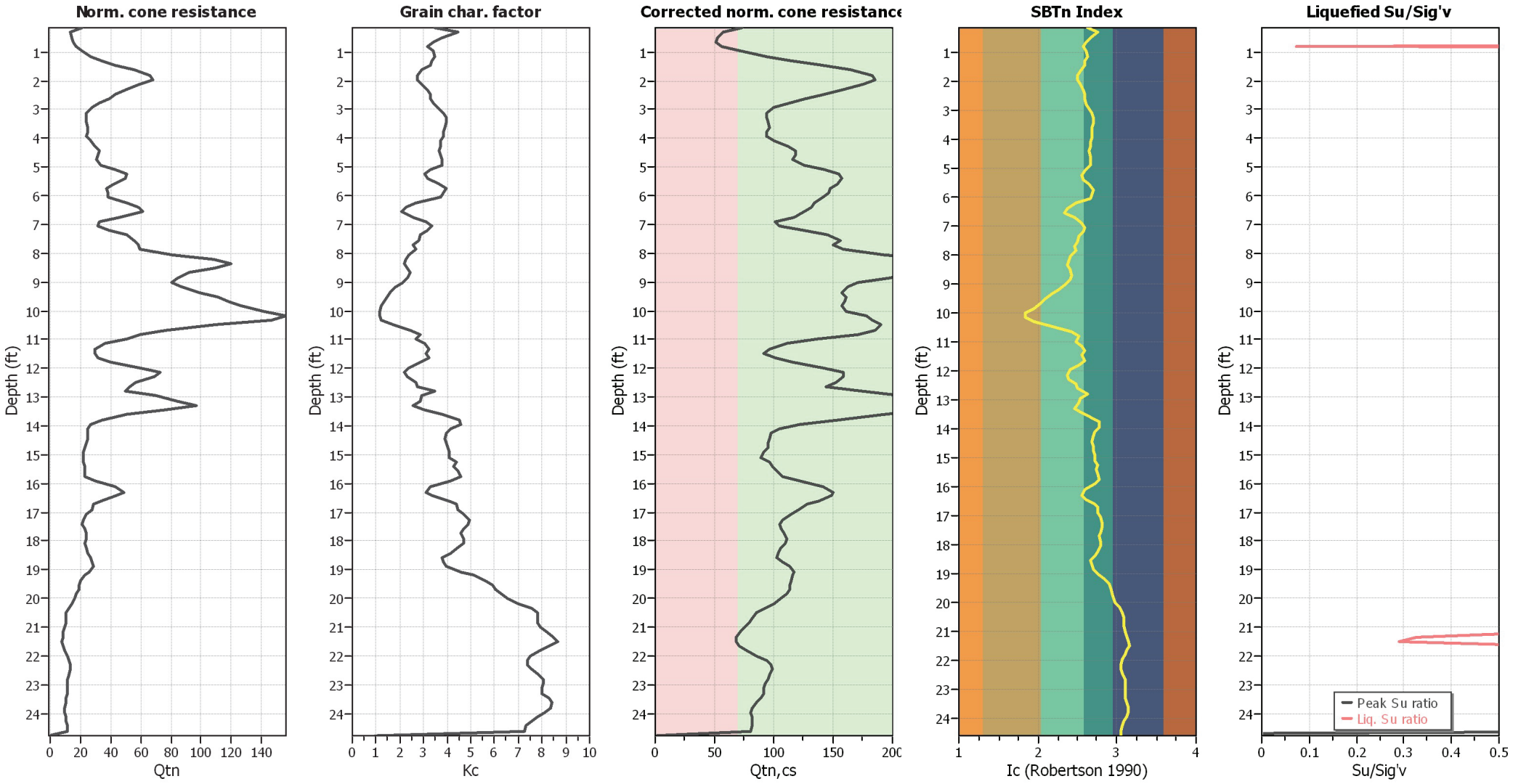
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

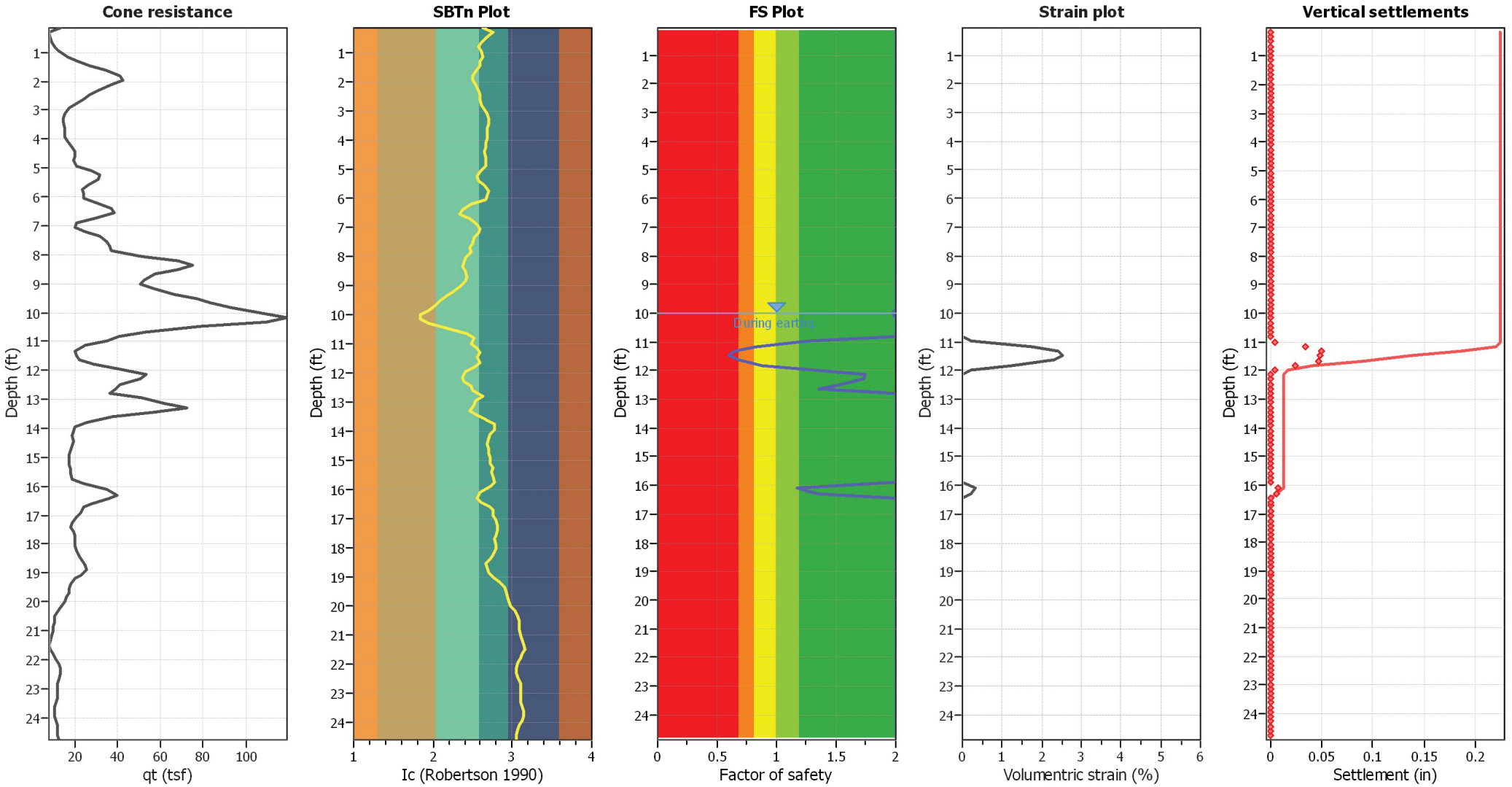
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

GeoLogismiki
Geotechnical Engineers
Merarhias 56
http://www.geologismiki.gr

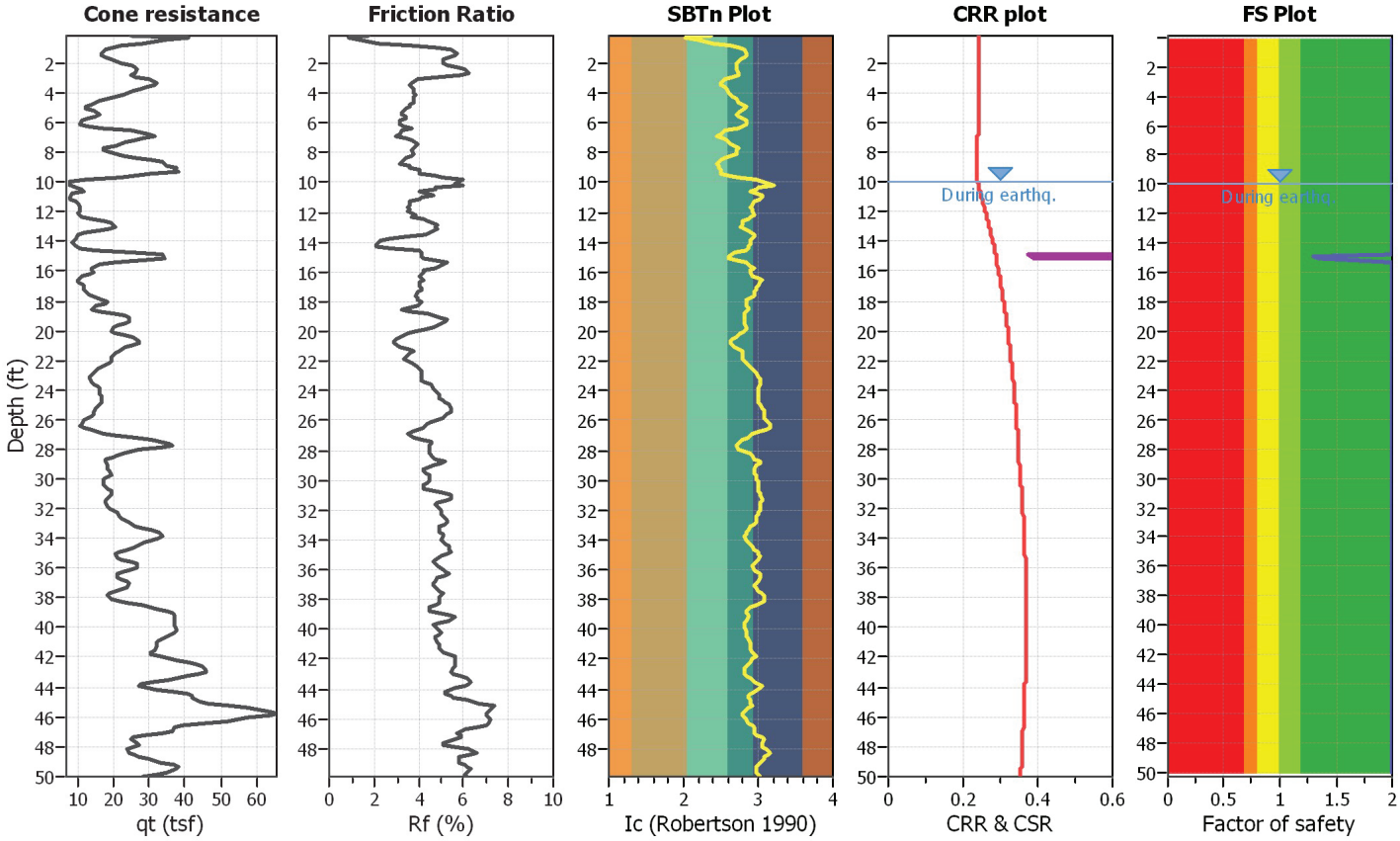
LIQUEFACTION ANALYSIS REPORT

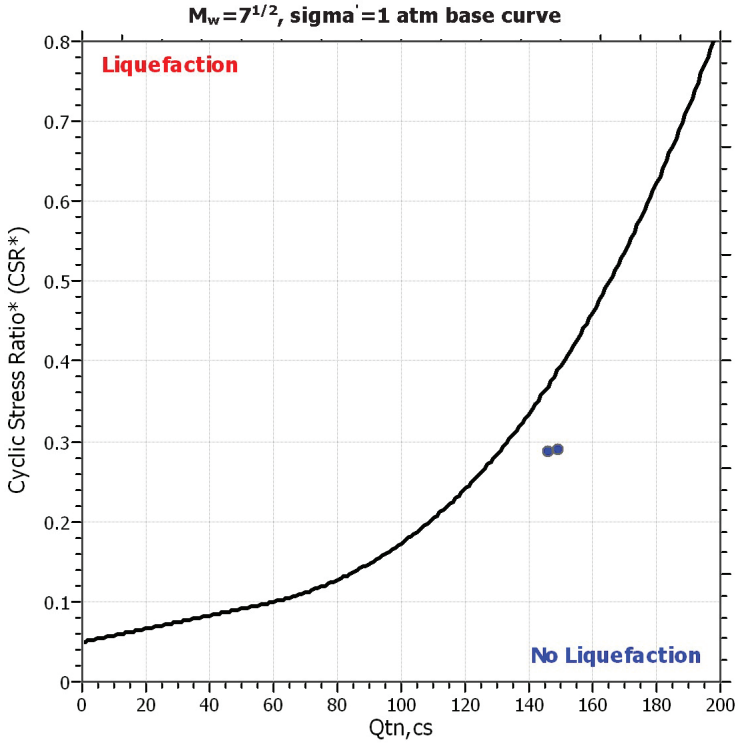
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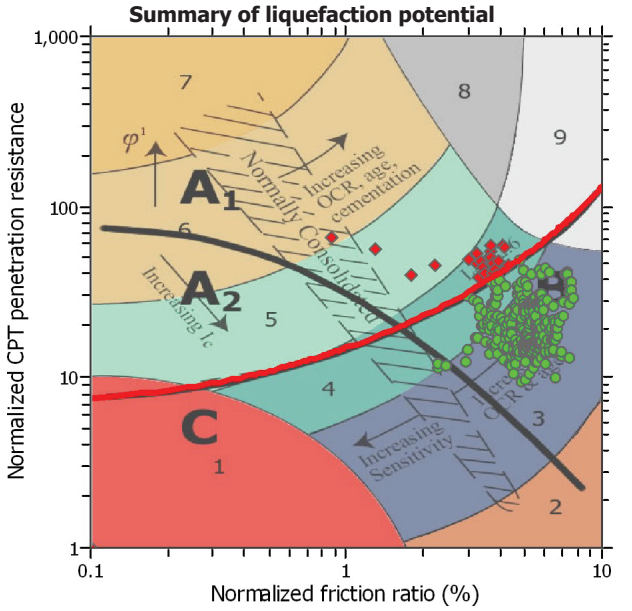
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Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	10.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	6.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.48	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

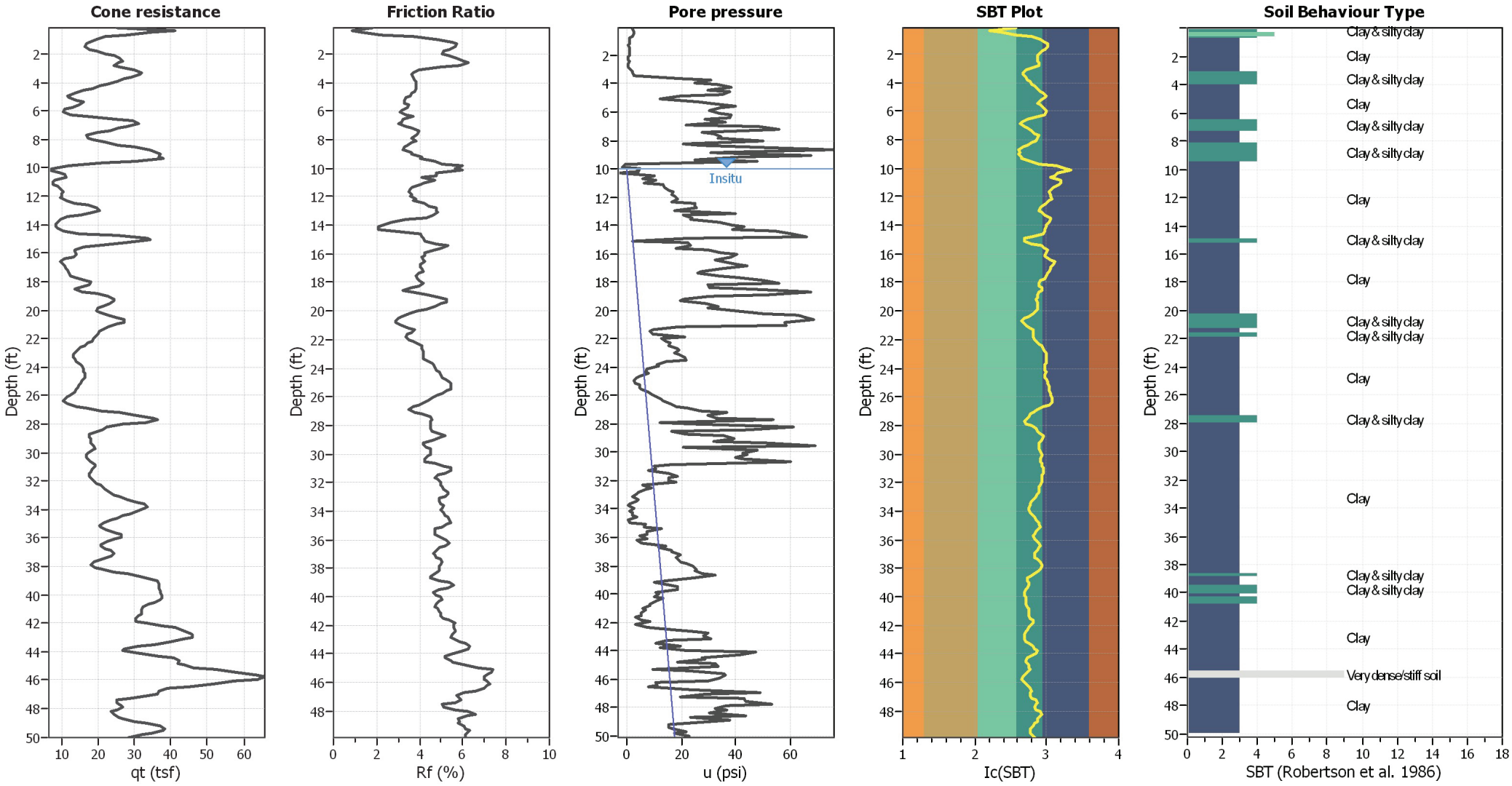






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



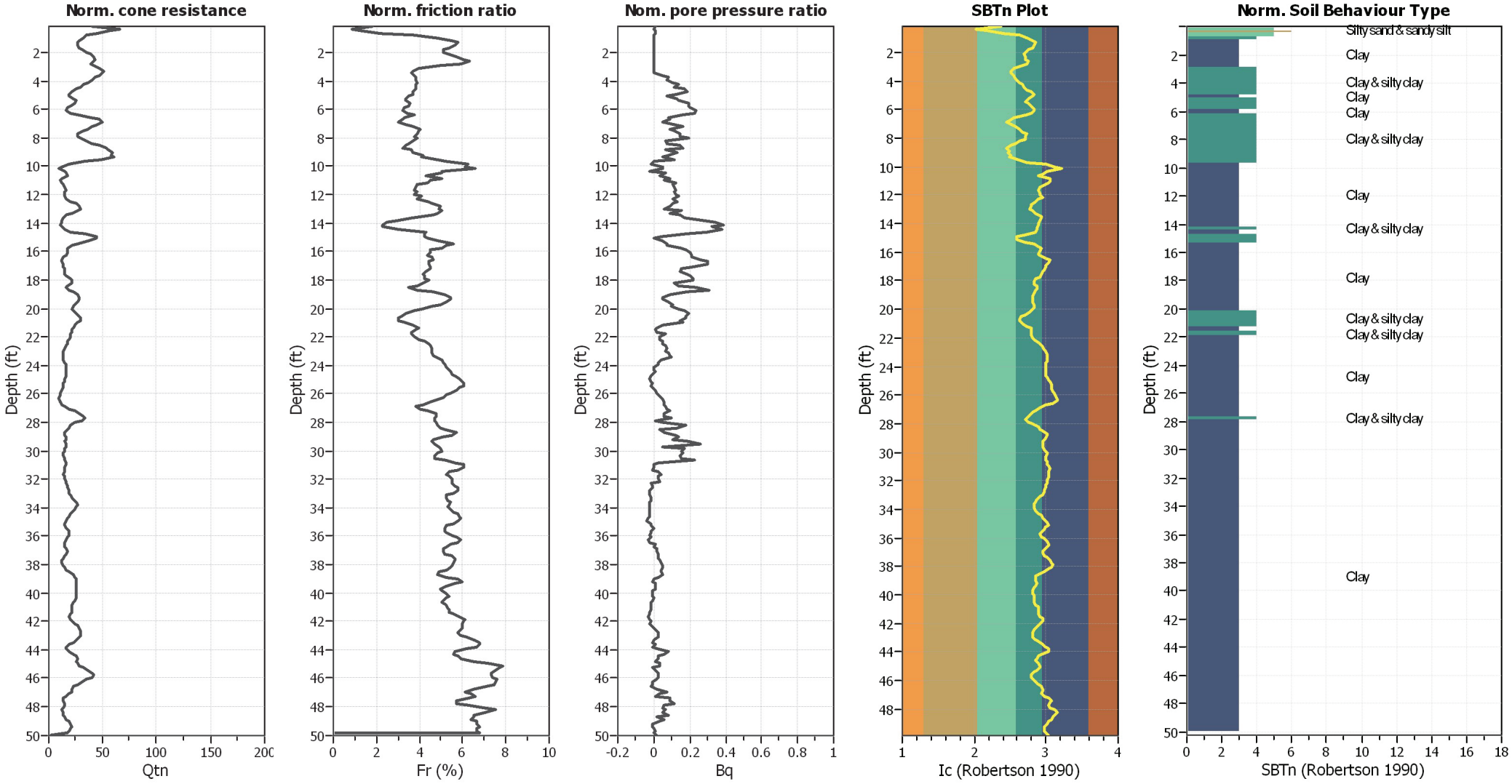
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	6.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



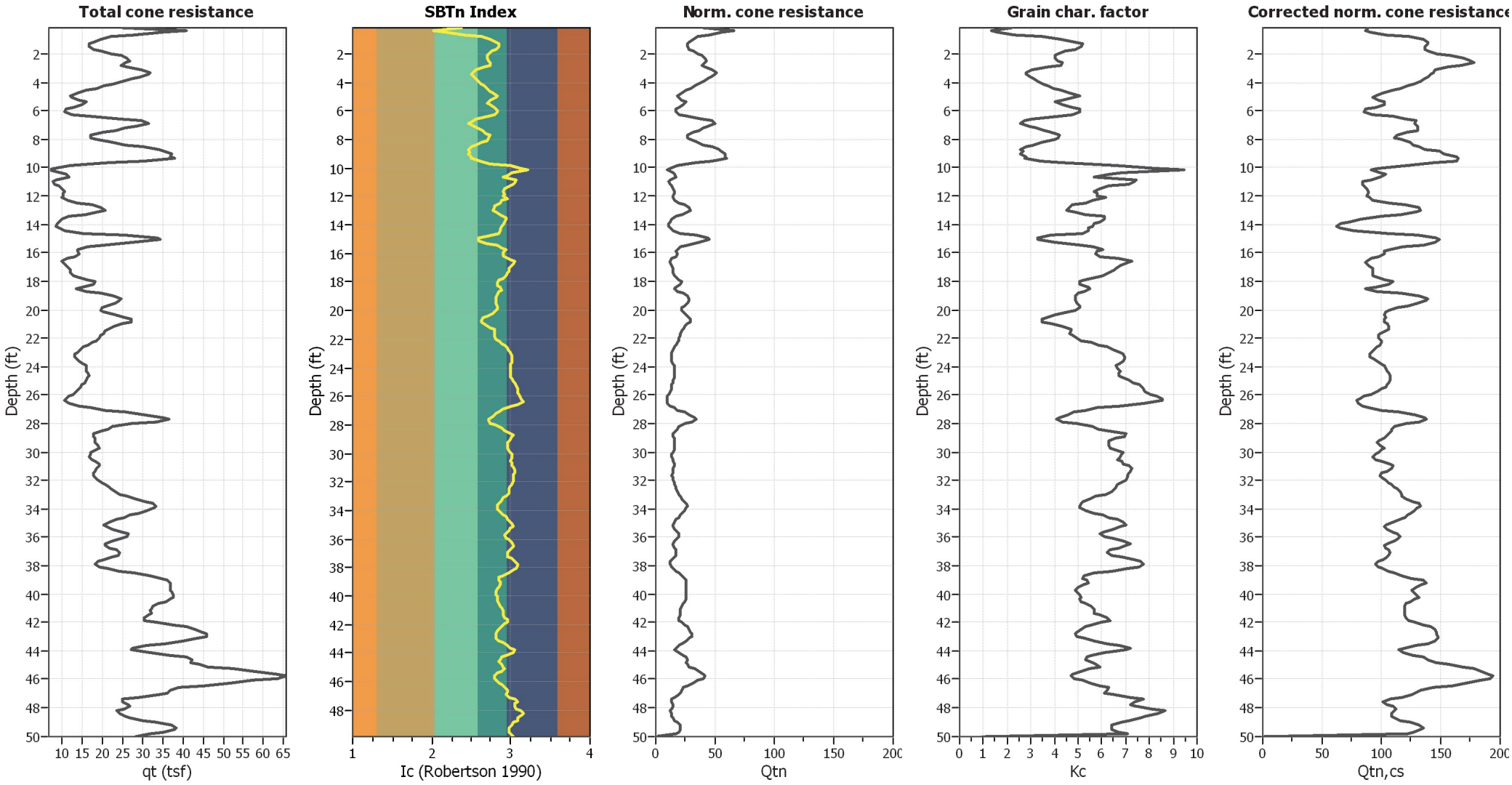
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
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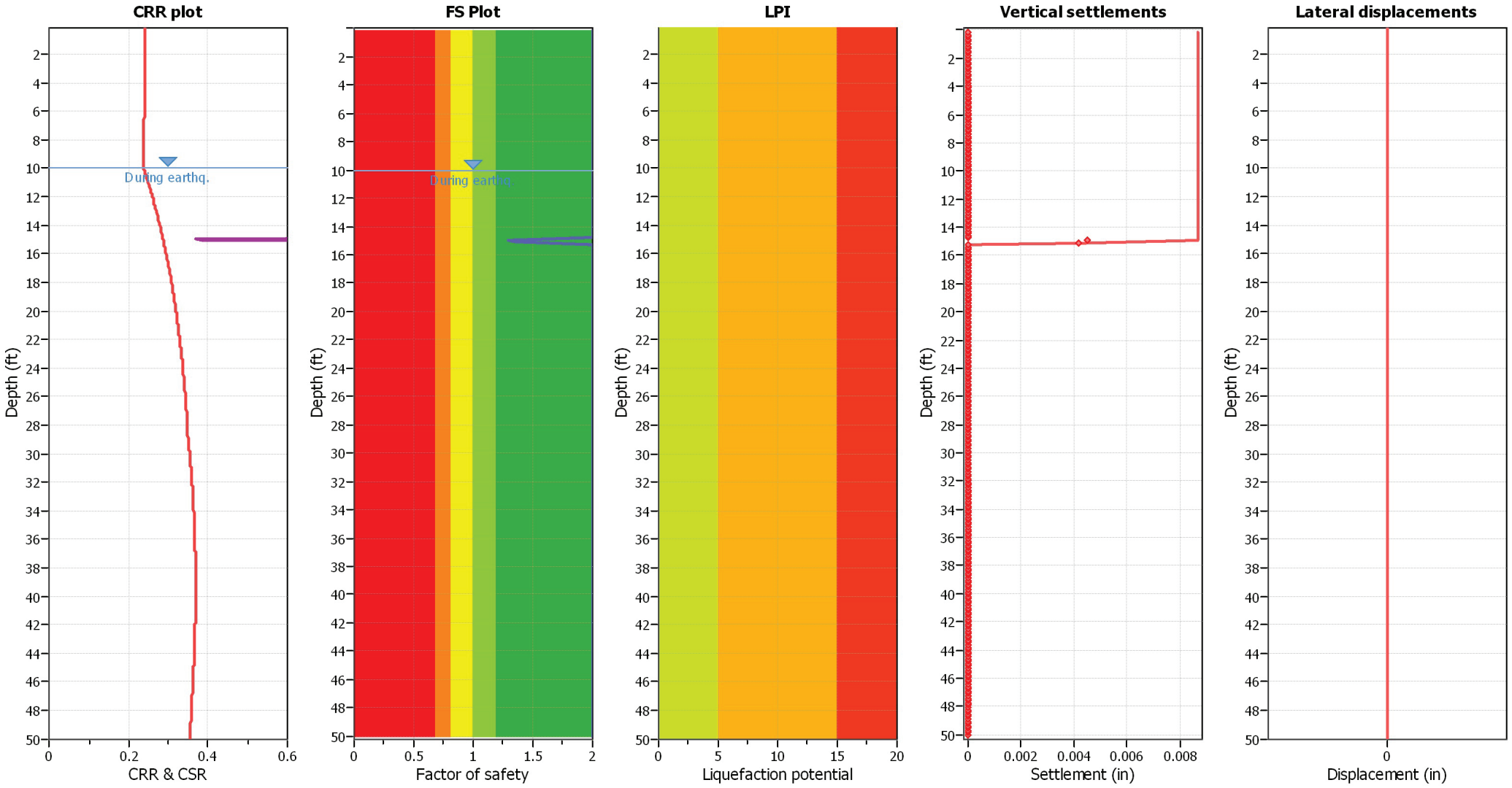
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
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Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
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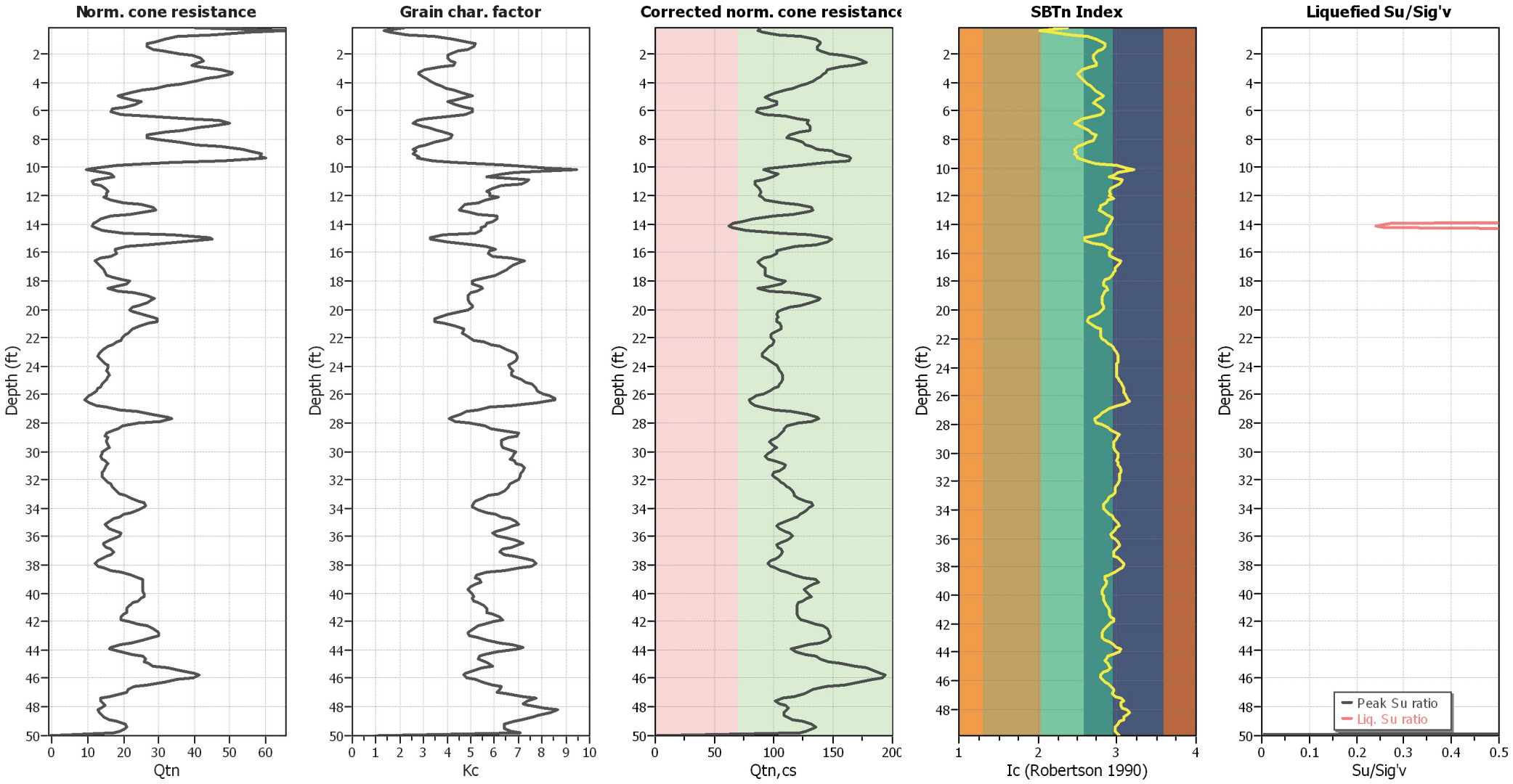
F.S. color scheme

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- Very likely to liquefy
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- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

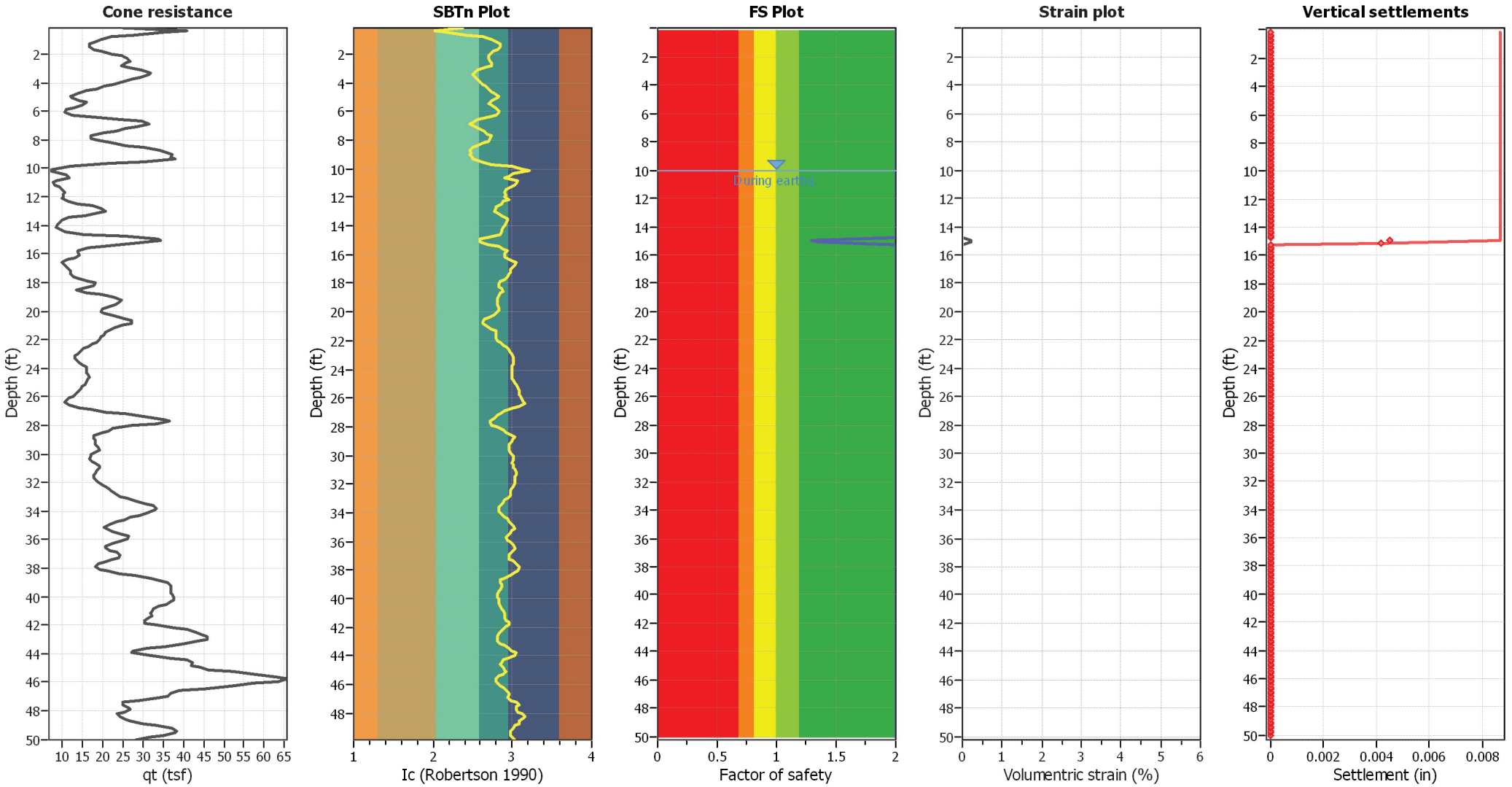
Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
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Peak ground acceleration:	0.48	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	10.00 ft	Fill height:	N/A	Limit depth:	N/A

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

APPENDIX D

Geotechnical Terms and Definitions

Referenced Geotechnical Terms

ASTM: **A**merican **S**ociety for **T**esting and **M**aterials is one of the largest voluntary standards development systems in the world. Soils and materials tests are described in detail in their annual books of standards.

Bench: A relatively level step, excavated into acceptable material of a slope face, against which fill is to be placed. Its purpose is to provide a firm and stable contact between the existing material and the new fill to be placed.

Buttress: An engineered fill designed and built to support or retain a weak or unstable Slope.

Compaction: The densification of soil through mechanical manipulation (tamping, rolling, vibrating, etc.). The addition of optimum amounts of water can be crucial to obtaining adequate densification of the material.

Cut: The depth to which a material is to be removed/excavated to reach final grade elevation.

Consolidation: The gradual reduction in volume of a soil mass due to an increase in compressive stress (load).

Daylight Line: The surface contact of *cut* and *fill* soil.

Density Test: A field test used to determine compaction of a fill or native soil. The test is typically performed by the nuclear gauge method.

Expansive Soil: A soil (usually clayey) that increases in volume when water is added (expands), and shrinks when water content is reduced.

Geotechnical: Pertaining to the practical applications of soil science and civil Engineering.

Geotextile Fabric: A permeable fabric used during grading to stabilize, allow for drainage, filtration, or add reinforcement beneath a pavement or structure.

Maximum Density Test: ("curve", "max"," or "proctor") A laboratory test used to determine the optimum moisture and maximum dry density of a soil type (typically ASTM standard test method D 1557).

Native Soil (Natural Ground, NG): (1) Soil deposited by the forces of nature through weathering, erosion, etc.; soil that has not been moved by man. (2) The undisturbed surface prior to the commencement of grading, sometimes referred to as Original Ground (OG).

Nesting: Oversized material (typically >6" size) that has been placed in a manner that leaves voids between the piled boulder or rock fragments, and these voids are not infilled with solid material (soil, fine gravel/sand, etc). The absence of nesting rock is required in a *rock fill*.

NICET: National **I**nstitute for **C**ertification in **E**ngineering **T**echnologies. Engineering technicians that are tested by NICET may be certified at various levels of expertise (Levels I through IV) in different fields of construction.

Optimum Moisture: The moisture content at which the maximum density of a soil can be achieved during the compaction process. Each soil type (or blend of soil types) has its own specific optimum moisture content that is used as a guide for moisture conditioning during the grading process.

Over-excavation: The removal of the upper portion of soil on site. Usually performed under roadways or building pads and combined with replacement of structural fill

Pass: One trip or movement across a designated area by a piece of compaction equipment or machinery.

Percent Compaction: The ratio (expressed as a percentage) of the dry density of a soil (as determined by the nuclear gauge) to the maximum density of a soil (as determined by the maximum density test).

Pre-Saturation: The moisture conditioning (above optimum) of a pad subgrade or footing excavation prior to placing/pouring a foundation. Pre-saturation is usually performed on expansive soils to help limit future swelling that may be caused by seasonal rains or heavy landscape watering.

Pumping: May be observed as a rolling motion in soils compacted in an over-optimum condition (too wet). These pumping soils may, during the rolling process, become rutted or indented by rubber-tired equipment, usually leaving a bulging path in the soil parallel to the tire print.

Relative Compaction: A means of comparing the dry soil density in the field to the laboratory compaction curve. It equals the field dry density divided by the lab max dry density, and then is multiplied by 100 and expressed as a percentage.

Rock Fill: "Oversized material" (typically 6" or larger diameter) mixed/compacted during placement with a soil matrix in such a manner as to limit voids and nesting, allowing for a homogeneous, well-compacted fill.

Scarify (Rip): The act of loosening the exposed surface material (usually the upper 8-12 inches by ripper teeth on a dozer or blade) to mix, blend, moisten, or prepare for fill placement.

Structural Fill: Fill that is supporting manmade structures, including buildings, roadways, levees, and slopes. Structural Fill is typically compacted to 90 percent relative compaction.

Subdrain: A drainage system placed beneath the surface to drain surface water, or relieve hydrostatic pressure (such as water buildup behind a fill slope). It typically consists of filter material (rock and/or fabric) and a perforated drainpipe.

Toe: The contact point of the bottom of a fill or cut slope with a relatively level or pre-existing ground surface.

Transition Lot: A lot which a portion is to be cut (excavated) and a portion is to be filled (raised) to reach pad grade.

Unified Soil Classification System (USCS): A system used by soil engineers to classify soil for engineering purposes. A kind of a shorthand for describing soil types.

Appendix D

Phase I and II Environmental Site Assessments

DRAFT

PHASE I ENVIRONMENTAL SITE ASSESSMENT OF

VACANT LOT
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA 94520

ATC PROJECT NO. NPPAN17006

APRIL 18, 2017

Prepared by:

ATC Group Services LLC
2400 Camino Ramon, Suite 360
San Ramon, California 94583
Phone: (925) 460-5300
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Prepared for:

Panattoni Development Company, Inc.
7887 East Belleview Avenue
Suite 475
Denver, Colorado 80111

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1.0 EXECUTIVE SUMMARY

1.1 General Information

Project Information:
Vacant Lot – Rohnert Park, CA
ATC Project No.: NPPAN17006

Consultant Information:
ATC Group Services LLC (ATC)
2400 Camino Ramon, Suite 360
San Ramon, California 94583
Telephone: (925) 460-5300
Fax: (925) 463-2559
Reconnaissance Date: March 30, 2017
Site Assessor: Destiny Hazra
Senior Reviewers: Gabe Stivala, Hillary Williams
Environmental Professionals:
Destiny Hazra, Hillary Williams

Site Information:
Vacant Lot
Business Park Drive & Dowdell Avenue
Rohnert Park, California
Sonoma County
Site Access Contact:
Ronald Reinking
Newmark Cornish & Carey

Client Information:
Panattoni Development Company, Inc.
7887 East Belleview Avenue
Suite 475
Denver, Colorado 80111
(303) 846-5884

Environmental Professional Statement:
We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Destiny S. Hazra, Senior Scientist
Site Assessor, Environmental Professional

Gabe Stivala, P.G., Senior Project Manager
Senior Reviewer

Hillary R. Williams, National Project Manager
Senior Reviewer, Client Manager

1.2 Findings and Conclusions Summary

ATC has performed this Phase I Environmental Site Assessment (ESA) of the property in conformance with the scope and limitations of ASTM Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. The table below provides a summary of report findings and conclusions.

FINDINGS AND CONCLUSIONS SUMMARY							
Report Section		Further Action?	De minimis Condition	REC and/or CREC	Historical REC	ASTM Non-Scope Condition	Description
4.0	User Provided Information	No					
5.1.1	Federal Database Findings	No					
5.1.2	State and Tribal Database Findings	No					
5.1.3	Local Environmental Record Sources	No					
5.3	Historical Records Sources	No					
6.2	Hazardous Substance Use, Storage and Disposal	No					
6.3	Underground Storage Tanks	No					
6.4	Aboveground Storage Tanks	No					
6.5	Other Petroleum Products	No					
6.6	Polychlorinated Biphenyls (PCBs)	No					
6.7	Unidentified Substance Containers	No					
6.8	Nonhazardous Solid Waste	No					
6.9	Wastewater	No					
6.10	Waste Pits, Ponds and Lagoons	No					
6.11	Sumps	No					
6.12	Septic Systems	No					
6.13	Stormwater Management System	No					
6.14	Wells	No					
7.0	Subsurface Vapor Migration	No					
8.0	Interviews	No					
9.1	Asbestos-Containing Material (ACM)	No					
9.2	Radon	No					
9.3	Lead in Drinking Water	No					
9.4	Lead-Based Paint (LBP)	No					
9.5	Mold Screening	No					
9.6	Additional User Requested Services	No					

1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E1527-13, data gaps are only significant if "other information and/or professional experience raise reasonable concerns involving the data gap." The following is a summary of *significant data gaps* identified in this report.

SIGNIFICANT DATA GAP SUMMARY		
Report Section		Description
3.5	Current Uses of Adjoining Properties	No *significant data gap* identified.
4.2	Environmental Liens or Activity and Use Limitations (AULs)	No *significant data gap* identified.
5.1	Standard Environmental Records	No *significant data gap* identified.
5.2	Physical Setting Sources	No *significant data gap* identified.
5.3	Historical Records Sources	No *significant data gap* identified.
6.1	Methodology and Limiting Conditions	No *significant data gap* identified.

SIGNIFICANT DATA GAP SUMMARY		
Report Section		Description
7.0	**Interviews**	No *significant data gap* identified.

1.4 Recommendations

Based on information collected from the Phase I ESA, ATC offers no recommendations for further action at this time.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* in connection with the property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of ASTM Standard Practice E1527-13 as listed below. This report documents the findings, opinions and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E1527-13, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.
- Usage of the property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.
- Observations and interviews regarding current property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.
- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties in, on or at the property.
- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the property.
- Potential for subsurface vapor migration in, on or at the property as described in Section 7.0.

The scope of the assessment also included consideration of the following potential environmental issues or conditions that are beyond the scope of ASTM Standard Practice E1527-13:

- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the property. No radon sampling was conducted.
- Lead in Drinking Water Data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the property meets the drinking water standards for lead.
- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the property is identified as having a wetland.
- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the property is identified as being located within a flood plain.

- Regulatory Agency File and Records Review, consisting of conducting a file review (i.e., via Freedom of Information Act (FOIA) request or alternative method/source) for the property and/or one adjoining property at one regulatory agency, as warranted by the findings of the ESA.

2.3 Significant Assumption

The assumptions in this report were not considered as having significant impact on the determination of *recognized environmental conditions* associated with the property.

2.4 Limitations and Exceptions

ATC has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products in, on or at the property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* – A Phase I ESA cannot completely eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with any property.

- *Not Exhaustive* – A Phase I ESA is not an exhaustive investigation of the property and environmental conditions on such property.

- *Past Uses of the Property* – Phase I requirements only require review of standard historical sources at five year intervals. Therefore, past uses of property at less than five year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.
ATC makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, ATC is not responsible for consequences or conditions arising from facts not fully disclosed to ATC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by ATC's observations or other credible referenced sources reviewed during the assessment. ATC shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

ATC makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to ATC and discussed in this Phase I ESA report. ATC expressly disclaims any and all liability for any errors or omissions contained in any prior reports provided to ATC and discussed in this Phase I ESA report.

ATC used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. “Reasonable efforts” were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of ATC.

ATC is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not “certify” the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The statement is intended to document ATC’s opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E1527-13, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). ATC makes no representations or warranties regarding a User’s qualification for protection under any federal, state or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E1527-13, this report is presumed to be valid for a six month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard Practice E1527-13 and therefore, the entire report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by, Panattoni Development Company, Inc. and any of its affiliates, and third parties authorized in writing by Panattoni Development Company, Inc. and ATC, including the lender(s) in connection with a secured financing of the property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of ATC, is at the sole risk and expense of such third party.

ATC makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied. Unless otherwise agreed upon in writing by ATC and a third party, ATC's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a total maximum amount of $100,000.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property is comprised of 10.3 acres of undeveloped land located at the southwest corner of Business Park Drive and Dowell Avenue in Rohnert Park, Sonoma County, California. The Site Vicinity Map is located in Appendix A. The Site Plan is located in Appendix B. Site Photographs are provided in Appendix C. According to information obtained from the Sonoma County Assessor's Office, the property is identified as assessor's parcel number (APN): 143-040-134, with no physical address. A copy of the Assessor's map is included in Appendix L.

3.2 Surrounding Area General Characteristics

The property is located in an area characterized by undeveloped land, residential, and commercial uses. Surface topography across the property and in the surrounding area is sloped towards the north-northwest. Specific adjacent and abutting properties are summarized in Section 3.5.

3.3 Current Use of the Property

The property consists of 10.3 acres of undeveloped land. The property is generally covered with grasses and vegetation. A Site Plan is located in Appendix B.

3.4 Description of Property Improvements

The following table provides general descriptions of the property improvements.

PROPERTY IMPROVEMENTS	
Size of Property (approximate)	10.3 acres
General Topography of Property	Generally sloped towards the north-northwest
Adjoining and/or Access/Egress Roads	Business Park Drive to the north and Dowdell Avenue to the east.
Paved or Concrete Areas (including parking)	None
Unimproved Areas	The property is unimproved.
Landscaped Areas	None with the exception of natural vegetation.
Surface Water	None
Potable Water Source	The City of Rohnert Park Water Department services the property vicinity.
Sanitary Sewer Utility	The City of Rohnert Park Utilities Department services the property vicinity.
Storm Sewer Utility	The City of Rohnert Park Utilities Department services the property vicinity.
Electrical Utility	Pacific Gas & Electric (PG&E)
Natural Gas Utility	PG&E
Current Occupancy Status	Unoccupied
Unoccupied Buildings/Spaces/Structures	Not applicable (N/A)
Number of Occupied Buildings	N/A
Building Name or General Building Description	N/A
Number of Floors	N/A
Total Square Feet of Space (approximate)	N/A
Construction Completion Date (year)	N/A
Construction Type	N/A
Interior Finishes Description	N/A
Exterior Finishes Description	N/A
Cooling System Type	N/A
Heating System Type	N/A

PROPERTY IMPROVEMENTS	
Emergency Power	None

3.5 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as follows:

Direction from Property	Address	Occupant(s) Name	Current Use	Potential Environmental Conditions
Northwest, beyond Business Park Drive	630 Park Court	Graton Resort & Casino	Casino and Hotel	None. Identified in federal and state agency databases.
Northeast, beyond Business Park Drive	No posted address	Vacant Land	Vacant Land	None
East	No posted addresses, located along Dowdell Avenue.	City of Rohnert Park Pump Station, followed by Dowdell Avenue and Vacant Land	City Pump Station/Vacant Land	None
South & Southwest	5102 Dowdell Avenue	Fiori Estates	Residential	None
Southeast	5121 Dowdell Avenue	The Reserve	Residential	None
West	5500 Business Park Drive	Parker Hannifin	Light Industrial	None. Identified in federal and state agency databases.

The potential for these adjacent properties to have an adverse environmental impact to the property is discussed in Section 5.1.1.

4.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by Panattoni Development Company, Inc. (User) with regard to the Phase I ESA. Documentation may be found in Appendix D or where referenced in this report.

4.1 Title Records

The User provided no title records information.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations (AULs). ATC contracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to perform an environmental lien search for the property. According to the environmental lien and AUL search report, the property title is vested in CB Properties Inc. The title was received from Rohnert Business Park Assoc. on June 23, 2006. There were no environmental liens or AULs found for the property.

A copy of the report is included in Appendix L. The review of the environmental lien and AUL search did not identify past uses indicating *recognized environmental conditions* in connection with the property.

4.3 Specialized Knowledge or Experience of the User

The User provided no specialized knowledge regarding *recognized environmental conditions* associated with the property.

4.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the property.

4.5 Owner, Property Manager and Occupant Information

The User identified Mr. Ronald Reinking of Newmark Cornish & Carey as a site access contact. Mr. Reinking identified Ms. Barbara Gallagher, President of C.B. Properties Inc., as the property owner.

4.6 Reason for Performing Phase I ESA

According to information provided by the User, this Phase I ESA will be used in connection with a commercial real estate transaction and subsequent development to identify *recognized environmental conditions* associated with the property.

4.7 Other User Provided Documents

Per the ASTM Standard Practice E1527-13 ATC obtained the documents listed below from User. Further discussion may be found in Section 5.3.9 and other relevant sections of this report.

OTHER USER PROVIDED DOCUMENTS		
Title	**Date (if known)**	**Author and/or Source (if known)**
Offering Memorandum for SWC Business Park Drive & Dowdell Avenue, Rohnert Park, California	Undated	Newmark Cornish & Carey

5.0 RECORDS REVIEW

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR of Shelton, Connecticut, was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient for *recognized environmental condition (REC)*, *controlled recognized environmental condition (CREC)*, *historical recognized environmental condition (HREC)* or *de minimis condition* determinations without conducting supplemental agency file reviews. ATC also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the property, based on the partial street address, city, or zip code. Any unmappable site that was identified by ATC as being within the approximate minimum search distance from the property, based on the site reconnaissance and/or cross-referencing to mapped listings, is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix E.

The following is a summary of the findings of the database review.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
Federal National Priority List (NPL)	1 mile	No	0
Federal Delisted NPL	½ mile	No	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list (SEMS)	½ mile	No	0
Federal CERCLIS No Further Remedial Action Planned (NFRAP) (SEMS-ARCHIVE)	½ mile	No	2
Federal Resource Conservation and Recovery Act (RCRA), Corrective Action facilities (CORRACTS)	1 mile	No	1
Department of Defense (DOD)	1 mile	No	0
Unexploded Ordnance Sites (UXO)	1 mile	No	0
Federal RCRIS non- CORRACTS Treatment, Storage, and Disposal Facilities (TSD)	½ mile	No	0
Federal RCRA Generators	Property & Adjoining	No	2
Federal Institutional Control/Engineering Control Registry	Property	No	0
Federal Emergency Response Notification System (ERNS) list	Property	No	0
State and Tribal NPL (RESPONSE)	1 mile	No	1
State and Tribal CERCLIS (ENVIROSTOR)	½ mile	No	2
State and Tribal Landfill or Solid Waste Disposal Sites	½ mile	No	0
State and Tribal Leaking Underground Storage Tanks (LUST)	½ mile	No	33
State and Tribal Registered Underground Storage Tanks (UST)	Property & Adjoining	No	1
State and Tribal Registered Aboveground Storage Tanks (AST)	Property & Adjoining	No	0
State and Tribal Institutional Control/Engineering Control Registry	Property	No	0
NPDES Permits Listing (NPDES)	Property	No	1
State and Tribal Voluntary Cleanup Site	½ mile	No	0
State and Tribal Brownfield Sites	½ mile	No	0
State Spills, Leaks, Investigations and Cleanup (SLIC)	½ mile	No	7

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
Hazardous Waste Manifests (HAZNET)	½ mile	No	0
Notify 65	½ mile	No	5
HIST CORTESE	½ mile	No	22
CUPA Listings	¼ mile	No	19
California Emissions Inventory Database (EMI)	¼ mile	No	3

5.1.1 Federal Agency Database Findings

The property was not listed within the federal databases searched by EDR.

The following listings with a known or significant potential for release and impact in, on, or at the property were identified in the Federal agency and EDR Proprietary databases searched. State and local database listings, corresponding to federal database listings, are also discussed below.

Parker Hannifin Corp
5500 Business Park Drive
Databases: RCRA-SQG, FINDS, ECHO, NPDES CUPA LISTING
Approximate Distance from the Property: Adjoining to the west
Assumed Groundwater Gradient: Down/Crossgradient
Regulatory Data Summary: The Resource Conservation and Recovery Act-Small Quantity Generator (RCRA-SQG) listing indicates that the facility generated more than 100 kilograms (kg) and less than 1,000 kg of hazardous waste during any calendar month and accumulated less than 6,000 kg of hazardous wastes at any time. The FINDS and ECHO database listings indicates that this facility is tracked by the federal RCRA database and the US Environmental Protection Agency (EPA) Toxics Release Inventory System (TRIS). No violations were reported under these listings. As authorized by the Clean Water Act (CWA), the National Pollutant Discharge Elimination System (NPDES) Permit Program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES Program is a federal program which has been delegated to the State of California for implementation through the State Water Resources Control Board and the nine Regional Water Quality Control Boards (RWQCBs). No violations are reported under the facility's NPDES permits. The Sonoma County CUPA listing is related to the storage and/or disposal of more than 325 gallons of hazardous wastes chemicals per year. No violations are reported for the facility.
Discussion: Based on the absence of reported violation and/or releases and the inferred crossgradient position relative to the property, these listings are not considered to represent a likely past, present or material threat of release in, on, or at the property.

Graton Resort & Casino
630 Park Court
Databases: RCRA-SQG, FINDS, ECHO
Approximate Distance from the Property: Adjacent to the northwest
Assumed Groundwater Gradient: Cross/Upgradient
Regulatory Data Summary: The RCRA-SQG listing indicates that the facility generated more than 100 kg and less than 1,000 kg of hazardous waste during any calendar month and accumulated less than 6,000 kg of hazardous wastes at any time. The FINDS and ECHO database listings indicates that this facility is tracked by the federal RCRA database. No violations were reported under these listings.
Discussion: Based on the absence of reported violation and/or releases, these listings are not considered to represent a likely past, present or material threat of release in, on, or at the property.

Press Democrat Prod. Facility
5505 Redwood Drive
Databases: RCRA-SQG, FINDS, LUST, SWEEPS UST, CUPA LISTING, EMI, NOTIFY 65
Approximate Distance from the Property: Approximately 575 feet to the east
Assumed Groundwater Gradient: Cross/Downgradient
Regulatory Data Summary: The RCRA-SQG listing indicates that the facility generated more than 100 kg and less than 1,000 kg of hazardous waste during any calendar month and accumulated less than 6,000 kg of hazardous wastes at any time. The FINDS and ECHO database listings indicates that this facility is tracked by the federal RCRA database. No violations were reported under these listings. The remaining listings are related to a leaking underground storage tank (LUST) event reported in May of 2004 during the removal of three underground storage tanks (USTs) from the facility. The USTs contained gasoline (10,000 gallons), diesel fuel (10,000 gallons) and used oil (100 gallons). Site assessment and verification monitoring was performed between June 2004 and July 2005. The facility was granted regulatory closure on November 30, 2006 by the Sonoma County Department of Health Services. According to the closure report, three groundwater monitoring wells were installed. Groundwater depth was measured between 3 to 7 feet bgs and groundwater flow direction was reported to vary seasonally from southeast in the rainy season to southwest in the dry season. All monitoring wells were decommissioned. No site management or corrective action requirements were imposed under the regulatory closure. A copy of the closure report is included in Appendix L.
Discussion: Based on ATC's review of groundwater monitoring reports, there is no evidence that impacts from the LUST event migrated offsite, beyond the boundary of the facility, therefore these listings are not considered to represent a *recognized environmental condition* to the property at this time.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the federal agency databases searched are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area, supplemental agency file reviews were not warranted to verify the database report information.

5.1.2 State and Tribal Database Findings

The property was not listed within the state or tribal databases searched by EDR.

The following listings with a known or significant potential for release and impact in, on, or at the property were identified in the state agency and EDR Proprietary databases searched. State and local database listings, corresponding to federal database listings, were previously discussed in Section 5.1.1.

R.P Pump Station
201 J Rogers Lane
Databases: LUST, CUPA LISTING, HIST CORTESE
Approximate Distance from the Property: Approximately 550 feet to the southwest
Assumed Groundwater Gradient: Cross/Downgradient
Regulatory Data Summary: The listings are related to a LUST event which involved the release of diesel fuel reported for the facility located on Rogers Lane in October of 1992. Site assessment was performed between 1994 and 1996. The facility was granted regulatory closure with no further action required by the Sonoma County Department of Health Services on April 24, 1997. A copy of the closure report was not available for review.
Discussion: Based on the facility's crossgradient position relative to the property and the absence of data indicating any impacts migrated offsite, these listings are not considered to represent a *recognized environmental condition* to the property at this time.

KRCB – TV/KRCB-FM
5850 Labath Avenue
Databases: CUPA LISTING, EMI
Approximate Distance from the Property: Approximately 600 feet to the south
Assumed Groundwater Gradient: Cross/Downgradient
Regulatory Data Summary: The Sonoma County CUPA listing is related to the filing of a Hazardous Materials Business Plan (HMBP) by the facility. No violations are reported under this listing. The Emissions Inventory Database (EMI) listing is related to a Bay Area Air Quality Management District (BAAQMD) permit issued to the facility in 2014. No violations are reported under this permit.
Discussion: Based on the absence of reported violation and/or releases, these listings are not considered to represent a likely past, present or material threat of release in, on, or at the property.

Rohnert Park Treatment Plant
5661 Redwood Drive
Databases: LUST, SLIC, HIST CORTESE, SWEEPS UST, CA FID UST,
Approximate Distance from the Property: Approximately 989 feet to the east-southeast
Assumed Groundwater Gradient: Cross/Downgradient
Regulatory Data Summary: ATC reviewed listings for the facility on the RWQCB's Geotracker website. Geotracker does not report a LUST event for the facility. Therefore ATC considers the LUST reporting by EDR to be erroneous. A State Spills, Leaks, Investigations and Cleanup (SLIC) event was reported for the facility in October of 1992. Impacts, from a release of gasoline, were reportedly limited to onsite soils. Site assessment and remediation was performed and regulatory closure was granted by the RWQCB on June 2, 1994. A copy of the closure report was not available.
Discussion: Based on the limited impact (soil only) and the distance from the property, these listings are not considered to represent a *recognized environmental condition* to the property at this time.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the state and tribal agency databases searched are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area, supplemental agency file reviews were not warranted to verify the database report information.

5.1.3 Local Environmental Records Sources

Local Health Department

ATC contacted the Sonoma County Environmental Health Department and requested to review available information regarding the property. According to Ms. Shelley Ticehurst of the Department (phone conversation on March 30, 2017), available records are filed by street address. Given that there is no street address for the property, no records were available for the property.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC)

According to the DTSC EnviroStor database, http://www.envirostor.dtsc.ca.gov/public, the DTSC has no files for the property.

Regional Water Quality Control Board (RWQCB)

According to the RWQCB GeoTracker website, http://geotracker.waterboards.ca.gov, no LUST sites or SLIC sites are located on the property.

Fire Department

ATC contacted the Sonoma County Fire Protection District and requested to review available information regarding the property. According to a representative of the Department (phone conversation on March 29, 2017), available records are filed by street address. Given that there is no street address for the property, no records were available for the property.

Electrical Utility Company

ATC confirmed the property vicinity is serviced with electricity provided by Pacific Gas and Electric (PG&E).

Water Utility

ATC confirmed the property vicinity is provided water by the City of Rohnert Park Water Department.

Sewer Utility

ATC confirmed the property vicinity is provided water by the City of Rohnert Park Utilities Department.

Other Local Environmental Records Sources

No additional local environmental records sources were reviewed.

5.2 Physical Setting Sources

5.2.1 Topography

According to the United States Geological Survey (USGS) 7.5-Minute Series Topographic Map of the *Cotati, California* Quadrangle, the elevation of the property is approximately 95 feet above mean sea level. The surficial topography in the area of the property appears to slope generally to the north-northwest. A copy of the topographic map is included in Appendix A.

5.2.2 Geology

Based on the California Department of Conservation, California Geological Survey, 2010 Generalized Geologic Map of California, the property is primarily underlain by Older Alluvium, consisting of fluvial gravel, sand, silt and clay. This series is of the Pleistocene era and sediments are derived of Sonoma Volcanic material.

5.2.3 Soils

According to soils data provided by United States Department of Agriculture (USDA) maps and EDR, the property is underlain by Clear Lake Clay. These soils are characterized by ponded, shallow, wet soils with a 0 to 2 percent slope. A copy of the USDA soil map for the property is included in Appendix L.

5.2.4 Hydrology

Considering the surface topography for the property area, as interpreted from the *Cotati, California* Quadrangle map, local groundwater would be expected to flow toward the north-northwest. However, actual groundwater flow direction is often locally influenced by factors such as underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and other factors beyond the scope of this study. The actual groundwater flow direction under the property can be accurately determined only by

installing groundwater monitoring wells, which was beyond the scope of this project.

Information obtained from the Federal USGS (FED USGS) Well Information database included in the EDR database report, indicated that 10 wells are located within approximately one mile of the property. Groundwater depth for the wells was reported between 7 and 10 feet below ground surface (bgs). Groundwater flow was reported in varying directions.

As noted in the section 5.1.1 groundwater depth was measured at the Press Democrat facility adjacent to the site between 3-7 feet bgs and groundwater flow direction was reported to vary seasonally from southeast in the rainy season to southwest in the dry season. For the purposes of this assessment, groundwater flow is assumed to the southeast and southwest.

5.2.5 Other Physical Setting Sources

Flood Plain Map

According to the Federal Emergency Management Agency (FEMA), the property is located in Flood Zone X, identified by FEMA as "areas of minimal flood hazard," (Flood Insurance Rate Map [FIRM] Map Number 06097C0876E, dated December 2, 2008). A copy of the FIRM is included in Appendix L.

Wetlands Map

Based on a review of the United States Department of the Interior, National Wetlands Inventory (NWI) Map (online Wetlands Mapper), there are no jurisdictional wetlands on the property. Furthermore, ATC did not observe any areas suggestive of wetlands at the property. A copy of the National Wetlands Inventory map is included in Appendix L.

5.3 Historical Records Sources

The earliest record reviewed for the property was a USGS Topographic Map dated 1916 which depicts the property as undeveloped land. Aerial photographs depict generally undeveloped land and/or agricultural land at the property between at least 1942 and 2012.

Interval gaps (greater than five years) were encountered during the research of historical use information for the property and surrounding area. However, based on the review of available historical sources and the absence of use changes across the data gaps, these data gaps are not considered significant data gaps.

The following table summarizes the findings of the research presented below pertaining to historical property and surrounding area uses.

HISTORICAL USE SUMMARY				
Period	Identified Historical Uses		Source(s)	Intervals/Comments
	Property	Surrounding Area		
Prior to 1940	Undeveloped	Undeveloped	Topographic Maps	The earliest record available was a topographic map dated 1916. No *significant data gaps* identified.
1940 - 1960	Undeveloped Agricultural	Undeveloped Agricultural	Aerial Photographs Topographic Maps	No *significant data gaps* identified.

HISTORICAL USE SUMMARY				
Period	Identified Historical Uses		Source(s)	Intervals/Comments
	Property	Surrounding Area		
1961 - 1980	Undeveloped Agricultural	Undeveloped Agricultural Residential	Aerial Photographs Topographic Maps City Directories	No *significant data gaps* identified.
1981 - 2000	Undeveloped Agricultural	Undeveloped Agricultural	Aerial Photographs Topographic Map City Directories	No *significant data gaps* identified.
2001 - present	Undeveloped Agricultural	Undeveloped Residential Commercial Light Industrial	Aerial Photographs Tax Files Topographic Map City Directories Building Department Zoning Department	No *significant data gaps* identified.

5.3.1 Aerial Photographs

ATC reviewed available aerial photographs of the property and surrounding areas provided by EDR. Available aerial photographs ranged from 1942 to 2012. The following are descriptions and interpretations from the aerial photograph review.

AERIAL PHOTOGRAPH SUMMARY		
Year	Scale	Comments
1942, 1952, 1968	1" = 500'	**Property**: Generally undeveloped land and/or agricultural land. **Surrounding Area**: Generally undeveloped land and/or agricultural land. A residential farmhouse is depicted to the northwest of the property.
1973, 1982	1" = 500'	**Property**: Generally undeveloped land and/or agricultural land. **Surrounding Area**: Generally undeveloped land and/or agricultural land is depicted to the north, east and west of the property. A residential farmhouse is depicted to the northwest of the property. A wastewater treatment facility is depicted adjoining the property to the south.
1993	1" = 500'	**Property**: Generally undeveloped land and/or agricultural land. **Surrounding Area**: Generally undeveloped land and/or agricultural land is depicted to the north of the property. A residential farmhouse is depicted to the northwest of the property. The current west adjoining light industrial facility is depicted. Redevelopment, for commercial use, is depicted to the south of the property.
2005, 2006, 2009, 2010 and 2012	1" = 500'	**Property**: Generally undeveloped land and/or agricultural land. **Surrounding Area**: Generally undeveloped land and/or agricultural land is depicted to the north of the property. The current west adjoining light industrial facility is depicted. To the south, the former wastewater treatment facility is no longer depicted by the 2005 aerial photograph. The adjoining sites to the east and south of the property are depicted as undeveloped land.

The review of aerial photographs identified historical property use for agricultural purposes. Given the historical use of the property for agricultural purposes, potential concern is noted regarding the possible use of pesticides, herbicides and fertilizers. If these materials were stored, used and applied according to industry standards, they should not have significantly impacted the property. Evidence of large-scale use or disposal of pesticides, herbicides or fertilizers, such as mixing tanks, chemical storage areas, sprayers, etc. was not observed on the property. Evidence for the overuse of these materials, such as stressed vegetation, was not observed. Therefore, ATC concludes that the historical use of the property for

agricultural purposes and any potential residual pesticides, herbicides and fertilizers in the property soil does not represent a *recognized environmental condition* to the property.

5.3.2 Fire Insurance Maps

A search for fire insurance maps for the property and surrounding area was conducted by EDR. No such maps for the property were available. Documentation is provided in Appendix G.

5.3.3 Property Tax Files

ATC reviewed reasonably ascertainable tax files provided by the Sonoma County Assessor's Office for historical ownership information pertaining to the property. Available records indicate that the property is currently owned by C.B. Properties Inc. (since 2006) which was a partner of Rohnert Business Park Associates which owned the property since at least 1990.

The review of tax files did not identify past uses indicating *recognized environmental conditions* in, on, or at the property.

5.3.4 Recorded Land Title Records

The acquisition of recorded land title records was not required by the scope of work for the Phase I ESA.

5.3.5 Historical USGS Topographic Maps

ATC reviewed available historical USGS Topographic Maps for information regarding past uses of the property provided by EDR. The Topographic Maps were dated 1916, 1944, 1954, 1968, 1973, 1980 and 2012. Between 1916 and 1944, the property and immediate surrounding area were generally depicted as undeveloped land. The 1954 and 1968 maps indicate the Cotati Naval Auxiliary Air Station (noted as Inactive) to the south of the property, beyond Hinebaugh Creek. The south adjoining parcel is shaded pink. The property and remaining immediate surrounding areas were generally depicted as undeveloped land. The 1973 and 1980 maps indicate the removal of the air station and the development of a mobile home park. The south adjoining parcels are shaded pink, the remaining immediate surrounding areas are depicted as undeveloped land. The 2012 map does not depict and structures for the surrounding area. The south adjoining parcels are shaded blue, indicating a wetland area. No structures are depicted on the property in any of the topographic maps.

The review of historical USGS Topographic Maps did not identify specific past uses indicating *recognized environmental conditions* in, on, or at the property or surrounding areas. Documentation is included in Appendix G.

5.3.6 City Directories

Research regarding the availability of historical city directories was conducted by EDR. There were no listings for the property. There is no formal address associated with the property and no address range corresponding with the property was identified. A listing for Compumotor Corp (5500 Business Park Drive) was reported for the years 1992 to 2012. Listings for Dowdell Avenue were limited to private individuals between 1975 and 2012. There were no listings for the remaining surrounding area. The documentation is included in Appendix G.

The review of city directories did not identify specific past uses indicating *recognized environmental conditions* in, on, or at the property or surrounding areas.

5.3.7 Building Department Records

ATC contacted the City of Rohnert Park Building Department and requested to review building permit records for the property. There were no records available for the property.

5.3.8 Zoning/Land Use Records

ATC attempted to review available historical zoning/land use records provided at the City of Rohnert Park Planning Department for information regarding past uses of the property and surrounding area. No historical use information was available for the property. The property is currently zoned Limited Industrial (IL).

5.3.9 Prior Reports

No prior reports were made available for review.

5.3.10 Other Historical Sources

No other historical sources were reviewed.

6.0 SITE RECONNAISSANCE

The following is a summary of visual and/or physical observations of the property on the day of the site visit. Photographs can be found in Appendix C.

6.1 Methodology and Limiting Conditions

Ms. Destiny Hazra, Senior Scientist with ATC, conducted the site reconnaissance on March 30, 2017. Ms. Hazra was escorted by Mr. Ronald Reinking, Managing Director with Newmark, Cornish & Carey. The site reconnaissance consisted of visual and/or physical observations of: the property and improvements (if any); adjoining sites as viewed from the property; and, the surrounding area based on visual observations made during the trip to and from the property. Unimproved portions of the property were observed along the perimeter and in a general grid pattern in safely accessible areas. Due to safety concerns, areas of the property with overgrown vegetation were generally avoided during ATC's access of the property; observations were made from readily accessible vantage points. The weather at the time of the site reconnaissance was sunny and warm with gusty winds. There were no limitations to visibility due to weather.

6.2 Hazardous Substance Use, Storage, and Disposal

ATC did not observe evidence of hazardous substance use, storage or disposal on the property.

6.3 Underground Storage Tanks (USTs)

ATC did not observe evidence of USTs on the property.

6.4 Aboveground Storage Tanks (ASTs)

ATC did not observe evidence of ASTs on the property.

6.5 Other Petroleum Products

ATC did not observe the use, storage or disposal of other petroleum products in, on or at the property.

6.6 Polychlorinated Biphenyls (PCBs)

ATC did not observe evidence of the use, storage or disposal of PCB-containing electrical or hydraulic equipment in, on or at the property.

6.7 Unidentified Substance Containers

ATC did not observe unidentified substance containers in, on or at the property.

6.8 Nonhazardous Solid Waste

ATC did not observe evidence of the generation, storage or disposal of nonhazardous solid waste in, on or at the property.

6.9 Wastewater

Apart from stormwater runoff to the municipal stormwater system and/or surrounding area, ATC did not observe evidence of aqueous waste streams at the property.

6.10 Waste Pits, Ponds and Lagoons

ATC did not observe evidence of waste pits, ponds or lagoons in, on or at the property.

6.11 Drains and Sumps

ATC did not observe evidence of drains or sumps in, on or at the property.

6.12 Septic Systems

ATC did not observe evidence of a septic system in, on or at the property.

6.13 Stormwater Management System

The property consists of undeveloped land. The stormwater either infiltrates the ground or flows over land toward the adjoining sites. The observed vegetation did not exhibit signs of biological stress.

6.14 Wells

ATC did not observe evidence of wells in, on or at the property.

7.0 SUBSURFACE VAPOR MIGRATION

ATC conducted a limited screening for potential vapor encroachment conditions (VECs) that may affect the property. The VEC screening focused on the current and historical usage of the property and also utilized the aforementioned regulatory agency database report provided by EDR and an EDR Vapor Encroachment Screen (VES) Report to evaluate identified Chemicals of Concern (COCs), including petroleum hydrocarbons. To identify the area of concern (AOC) for contaminated sites with non-petroleum hydrocarbon COCs, ATC utilized the approximate minimum search distance defined by ASTM E 2600-10 of 1,760 feet (1/3 mile) from the property boundary for COC-contaminated sites. For sites contaminated with petroleum hydrocarbon COCs, ATC utilized the AOC approximate minimum search distance of 528 feet (1/10 mile). The AOC was adjusted accordingly based on review of physical setting characteristics, known release information, property and land features, groundwater flow direction, and soil type, et al.

ASTM's Vapor Encroachment guidance indicates that when groundwater flow direction can be estimated or determined, the cross-gradient or downgradient radius distances can be significantly reduced. The EDR VES report calculates the reduced AOC distances when considering groundwater flow direction by utilizing the following default distances, which were determined using the Buonicore Methodology: (non-petroleum hydrocarbon COCs) 1,760 feet in the upgradient direction; 365 feet in the cross-gradient direction; and 100 feet in the downgradient direction and (petroleum hydrocarbon COCs) 528 feet in the upgradient direction; 165 feet in the cross-gradient direction if Light, Non-Aqueous Phase Liquid, (LNAPL i.e. floating product) is suspected; 95 feet in the cross-gradient direction if no LNAPL is suspected; 100 feet in the downgradient direction (LNAPL suspected); and 30 feet in the downgradient position (LNAPL not suspected).

The screening was further refined by evaluating the Critical Distance (CD) factor. The CD is the upper distance a vapor may migrate through soil in the vadose zone assuming the path of least resistance is directly from the closest boundary of the contaminated media (i.e. groundwater or soil) to the nearest property boundary. For non-petroleum hydrocarbon COCs, the CD is 100 feet. For LNAPL petroleum hydrocarbon COCs, the CD is also 100 feet. For dissolved petroleum hydrocarbon COCs, the CD is 30 feet.

ATC reviewed potential sources of COCs from the facilities reported on the EDR database report and VES report.

No VECs were identified in relation to the property.

8.0 INTERVIEWS

The following persons were interviewed to obtain information regarding *recognized environmental conditions* in connection with the property:

INTERVIEW SUMMARY				
Role	**Name**	**Title/Company**	**Years Assoc. With Property**	**Interview Type**
Site Access Contact	Ronald Reinking	Managing Director/ Newmark Cornish & Carey	1 year	In Person
Property Owner	Barbara D. Gallagher	President/C.B. Properties Inc.	10+ years	In Writing

Not included in this listing are those governmental employees that were contacted solely for the purpose of retrieving public information pertaining to the property and who would not be expected to have first-hand knowledge of *recognized environmental conditions* at the property.

Pertinent information from the interviews is discussed in applicable sections of this report with details (including failed attempts to interview) documented on Record of Communication forms in Appendix J.

9.0 OTHER ENVIRONMENTAL CONDITIONS

9.1 Asbestos-Containing Materials (ACM)

Due to the undeveloped nature of the property, ACM was not addressed for this Phase I ESA and no additional investigation is recommended at this time.

9.2 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 picoCuries per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

ATC's review of published radon data indicates that the property is located in an area of moderate propensity with regard to the potential for elevated levels of radon gas. Contra Costa County is listed as being within Zone 3, where average indoor levels are expected to be less than 2 pCi/L. Radon is not considered to represent a concern based on the undeveloped nature of the property and future proposed non-residential use of the property. No additional investigation with regard to radon is recommended at this time.

9.3 Lead in Drinking Water

ATC confirmed with the City of Rohnert Park Water Division that the municipally supplied water to the property vicinity meets all drinking water standards, including those for lead. Based on the fact that the water is from the municipality, lead in drinking water is not considered a concern to the property.

9.4 Lead-Based Paint (LBP)

Due to the undeveloped nature of the property, LBP was not addressed for this Phase I ESA and no additional investigation is recommended at this time.

9.5 Mold Screening

Due to the undeveloped nature of the property, mold was not addressed for this Phase I ESA and no additional investigation is recommended at this time.

9.6 Additional User Requested Conditions

No additional User requested services were included in the scope of work for this ESA.

10.0 REFERENCES

ASTM International, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E1527-13. November 2013.

ASTM International, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, ASTM Designation E2600-10. 2010

California Department of Conservation, *California Geological Survey, Generalized Geologic Map of California Note 17*, dated April 2002.

City of Rohnert Park, *Annual Water Quality Report*, dated 2015.

City of Rohnert Park Building Department, online records review.

City of Rohnert Park Planning Department, online records review.

Environmental Data Resources, Inc. (EDR), Aerial Photo Decade Package, Inquiry No. 4892010.12, dated March 28, 2017.

EDR, City Directory Abstract, Inquiry No. 4892010.5, dated March 28, 2017.

EDR, Environmental Lien and AUL Search, Inquiry No. 4892010.7, dated March 28, 2017.

EDR, Historical Topographic Map Report, Inquiry No. 4892010.4, dated March 28, 2017.

EDR, Radius Map with Geocheck, Inquiry No. 4892010.2s, dated March 28, 2017.

EDR, Sanborn Map Report, Inquiry No. 4892010.3, dated March 28, 2017.

Envirostor, http://www.envirostor.dtsc.ca.gov/public/, visited April 2017.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM), Map Number 06097C0876E, dated December 2, 2008.

GeoTracker, http://www.geotracker.swrcb.ca.gov, visited April 2017.

Newmark Cornish & Carey, *Offering Memorandum for SWC Business Park Drive & Dowdell Avenue, Rohnert Park, California*, undated.

Sonoma County Environmental Health Department, phone response March 30, 2017.

Sonoma County Fire Protection District, phone response March 29, 2017.

United States Department of Agriculture (USDA) Soil Conservation Service, *Web-Based Soil Survey*, http://websoilsurvey.nrcs.usda.gov/app/, visited April 2017.

United States Geological Survey (USGS) Topographic Map, *Cotati, California* Quadrangle Map, 7.5 Minute Series, dated 2012.

Wetlands Mapper, http://www.nwi.fws.gov/, visited April 2017.

11.0 TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

recognized environmental condition(s) (REC) - the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

material threat - a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional (EP), is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

de minimis condition – is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. An example might include a release of *hazardous substances* or *petroleum products* that could reasonably and foreseeably result in a concentration exceeding the applicable regulatory agency risk-based residential standards or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment. If an enforcement action would be less likely than not, then the condition is considered to be generally not likely the subject of an enforcement action. A condition determined to be *de minimis* is not a *REC* or *controlled recognized environmental condition (CREC)*.

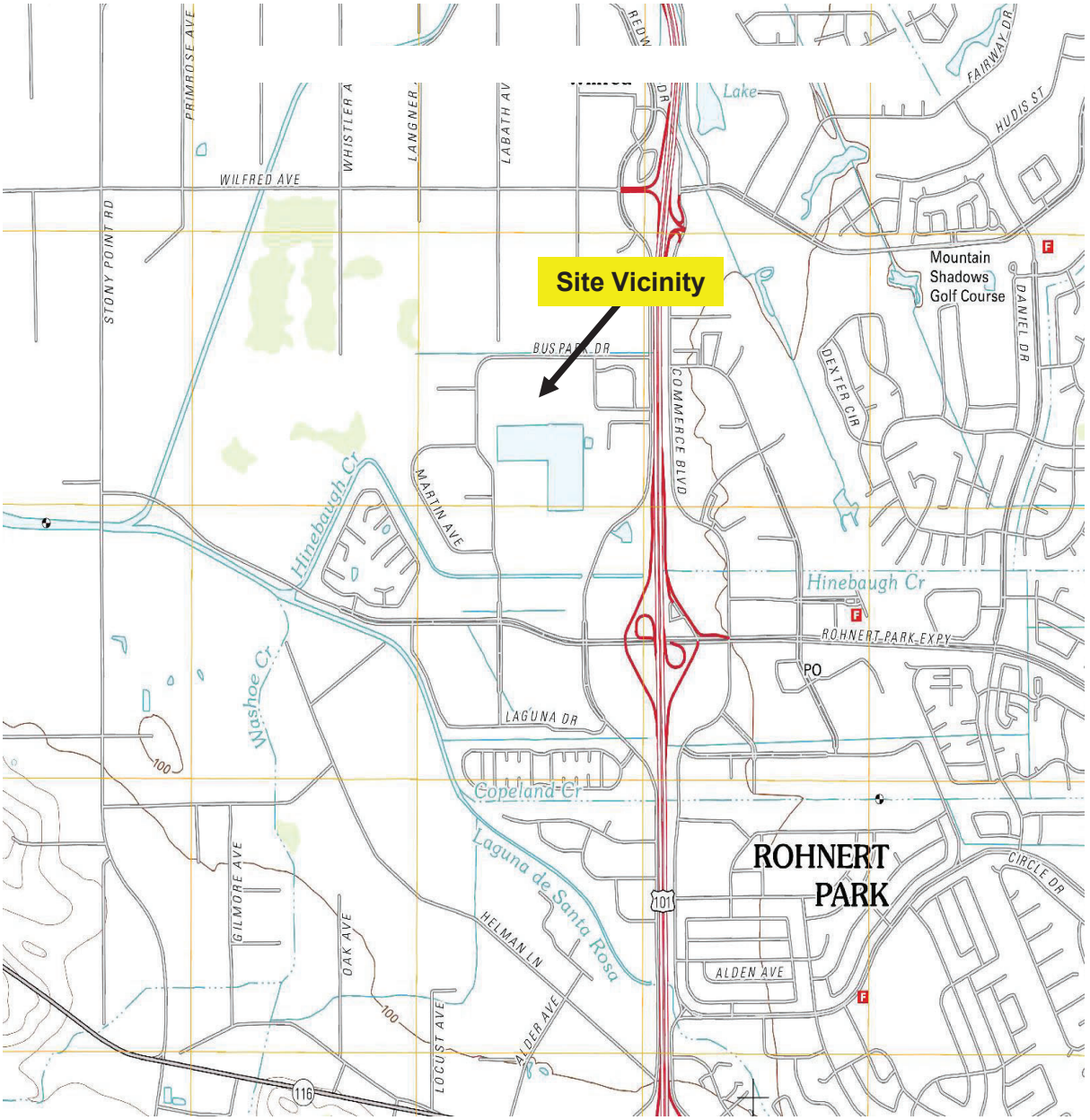
historical recognized environmental condition(s) (HREC) - a past release of any *hazardous substances* or *petroleum products* that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established 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 *HREC*, the EP must determine whether the past release is a *REC* at the time the 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 *REC* at the time the Phase I ESA is conducted, the condition will be reported in Section 1.2 the Findings and Conclusions Summary table as a *REC*.

controlled recognized environmental condition (CREC) - a *recognized environmental condition* resulting from a past release of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by 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 limitation, institutional controls, or engineering controls). Per E1527-13, a *CREC* will be reported in the Section 1.2 Findings and Conclusions Summary table as a *CREC* and a *REC*.

migrate/migration - 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.

APPENDIX A

SITE VICINITY MAP



Source: : USGS COTATI, CALIFORNIA (7.5 MINUTE SERIES) TOPOGRAPHIC MAP. OBTAINED BY EDR

North

Scale 1:2400

2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

PROJECT NO: NPPAN17006

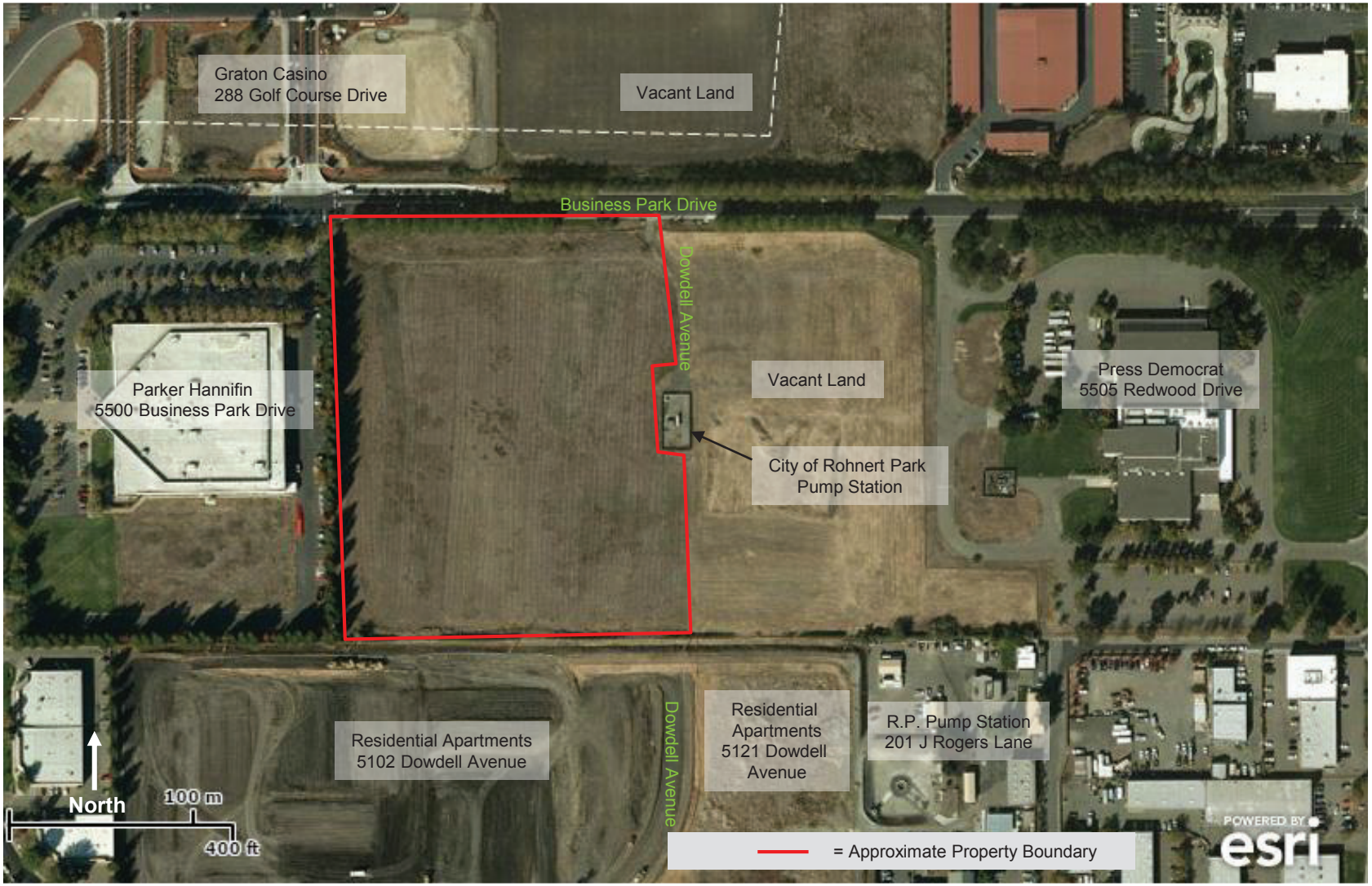
DESIGNED BY: DSH	SCALE: NTS	REVIEWED BY: GS
DRAWN BY: DSH	DATE: 4/17	FILE: SITE VICINITY

SITE VICINITY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
VACANT LAND
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA

APPENDIX B

SITE PLAN



SOURCE: 2017 MAP, PROVIDED BY U.S. FISH AND WILDLIFE SERVICE

ATC
2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

PROJECT NO: NPPAN17006

DESIGNED BY: DSH	SCALE: NTS	REVIEWED BY: GS
DRAWN BY: DSH	DATE: 04/2017	FILE: SITE PLAN

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT
VACANT LAND
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA

APPENDIX C

SITE PHOTOGRAPHS



Photo 1: View of the property as viewed from Dowdell Avenue, facing west.



Photo 2: View of the property as viewed from Dowdell Avenue, facing west-northwest.



Photo 3: View of the property as viewed from Dowdell Avenue, facing southwest.



Photo 4: View of the east adjacent vacant parcel and the property beyond, facing west.



Photo 5: View of the east adjoining City of Rohnert Park Pump Station, facing west.



Photo 6: View of the southwest adjoining apartment complex, facing west.



Photo 7: View of the southeast adjacent apartment complex, facing southeast.



Photo 8: View of the north adjacent Business Park Drive and Graton Casino beyond, facing northwest.



Photo 9: View of the west adjacent Parker Hannifin building, facing northwest.



Photo 10: View of the east adjacent vacant lot, facing east.

APPENDIX D

USER PROVIDED DOCUMENTATION

FOR SALE

±10.30 ACRE INDUSTRIAL PARCEL

SWC BUSINESS PARK DRIVE & DOWELL AVENUE

Rohnert Park



Newmark Cornish & Carey

RON REINKING | Managing Director 707.583.8423
rreinking@newmarkccarey.com CA RE license #00931004

$5,975,000 ±10.30 ACRES

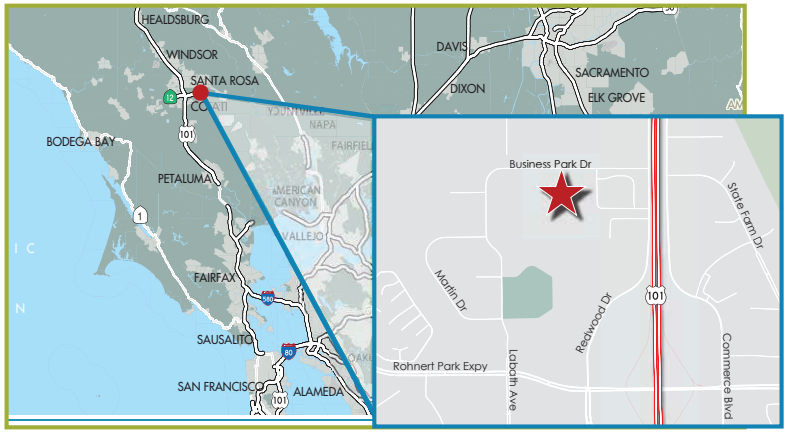
SWC BUSINESS PARK DRIVE & DOWELL AVENUE
Rohnert Park





MIXED USE DEVELOPMENT OPPORTUNITY

- ±10.30 Acre improved industrial parcel
- Improved with curb, gutter and sidewalk
- Zoned IL (Limited Industrial) - **Uses:** >>**CLICK HERE**
- Superb corner location and configuration
- One of the few remaining large industrial parcels available
- Close to Hwy-101
- Major retailers nearby
- Adjacent to the Graton Resort and Casino
- Potential for corporate headquarters, campus development, light manufacturing, distribution, research & development
- APN : 143-040-134



RON REINKING | Managing Director 707.583.8423
rreinking@newmarkccarey.com
CA RE license #00931004

2455 Bennett Valley Road , Suite C200, Santa Rosa, CA 95404 T: 707.583.8400

The information contained herein has been obtained from sources deemed reliable but has not been verified and no guarantee, warranty or representation, either express or implied, is made with respect to such information. Terms of sale or lease and availability are subject to change or withdrawal without notice.

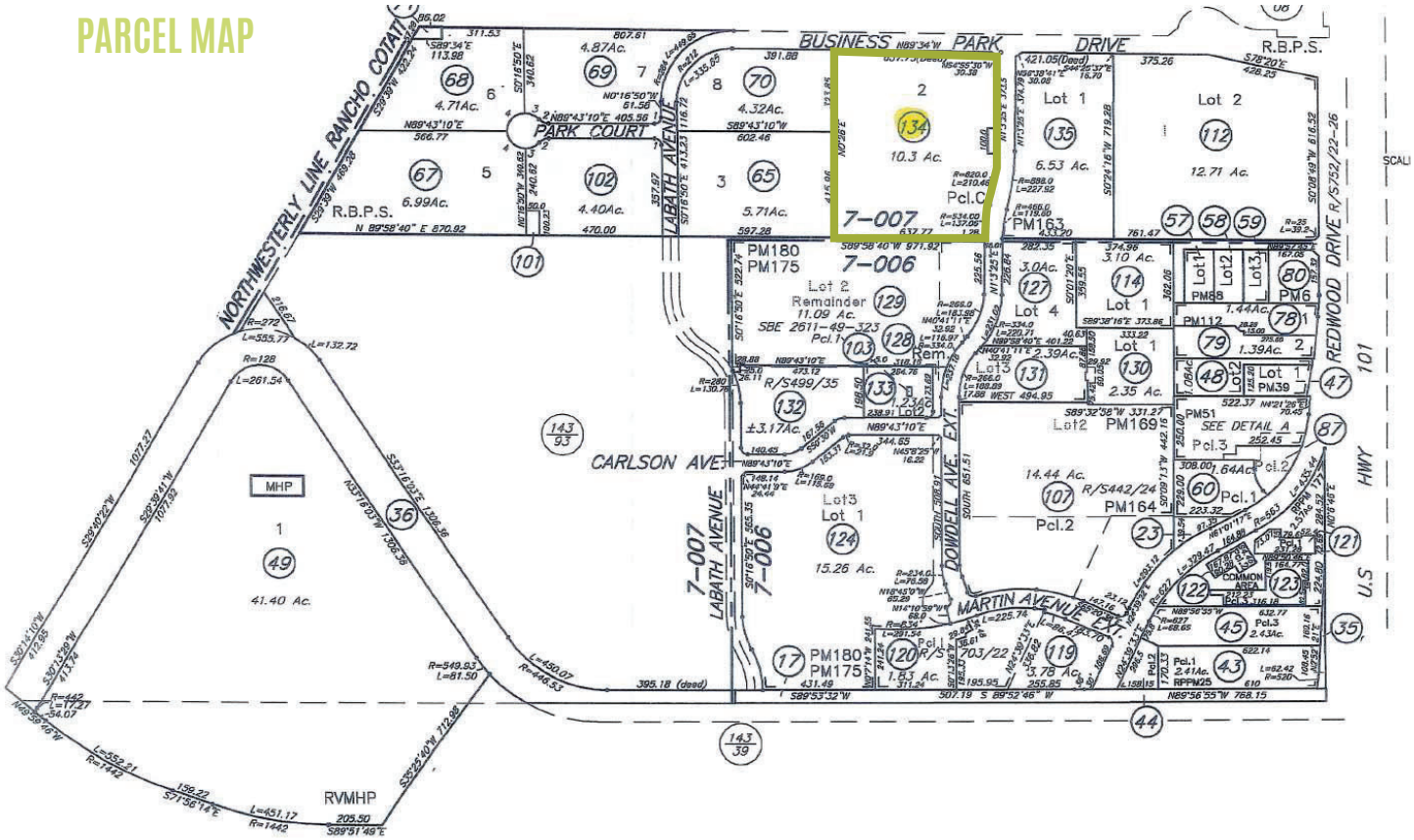
Newmark Cornish & Carey

16-0681 - 5/16

$5,975,000 **±10.30 ACRES**

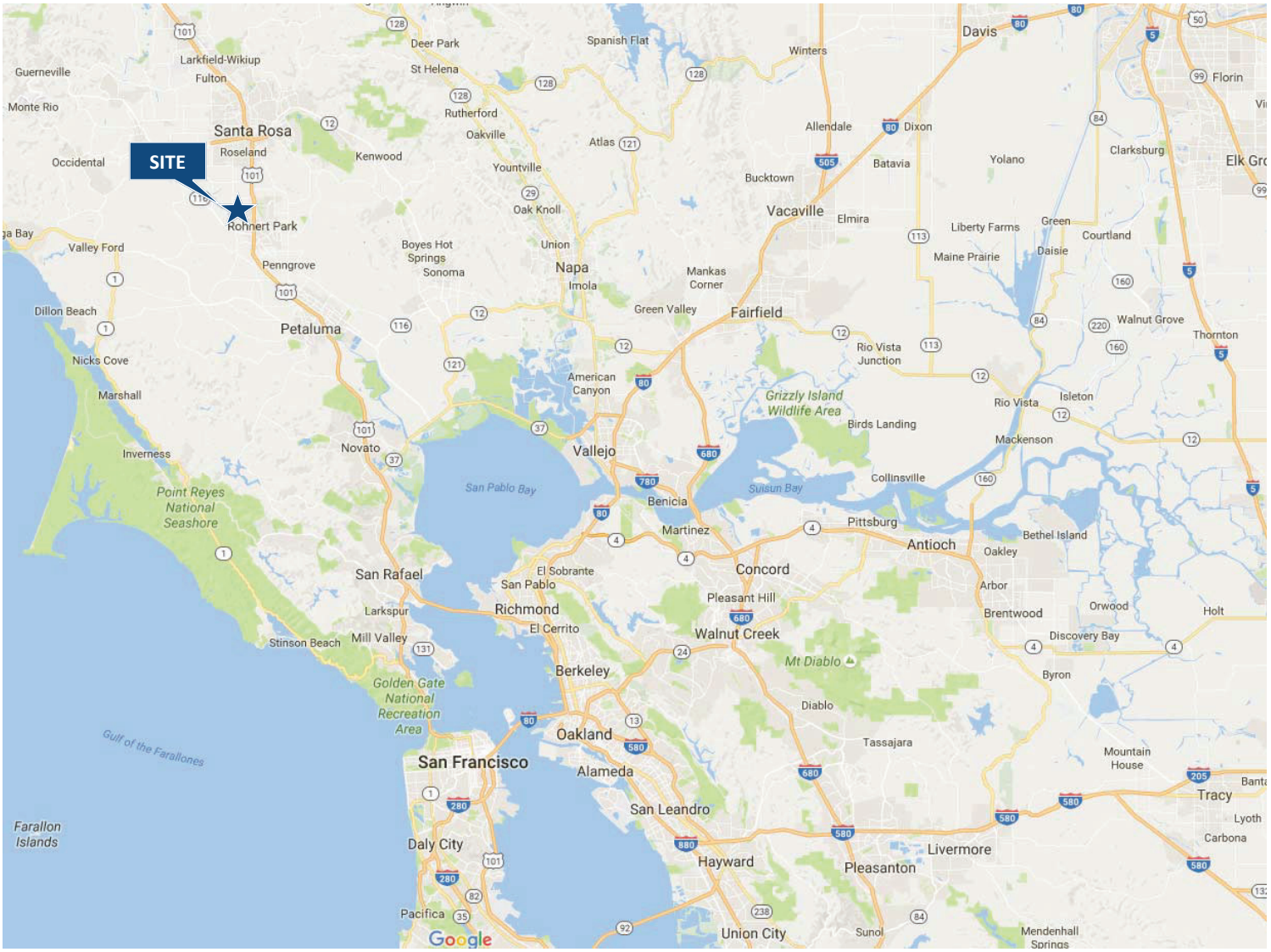
SWC BUSINESS PARK DRIVE & DOWELL AVENUE
Rohnert Park

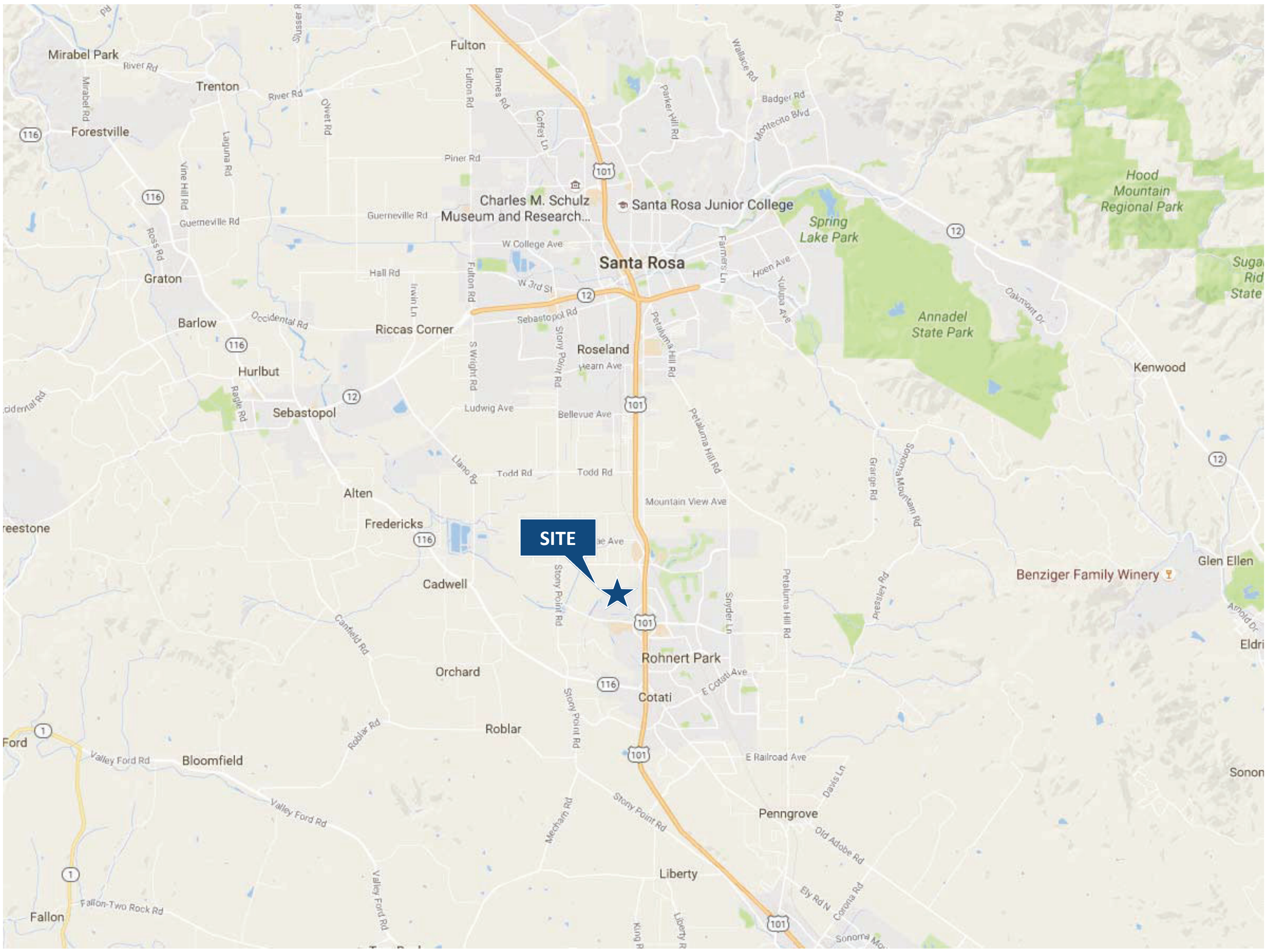
PARCEL MAP



Newmark Cornish & Carey

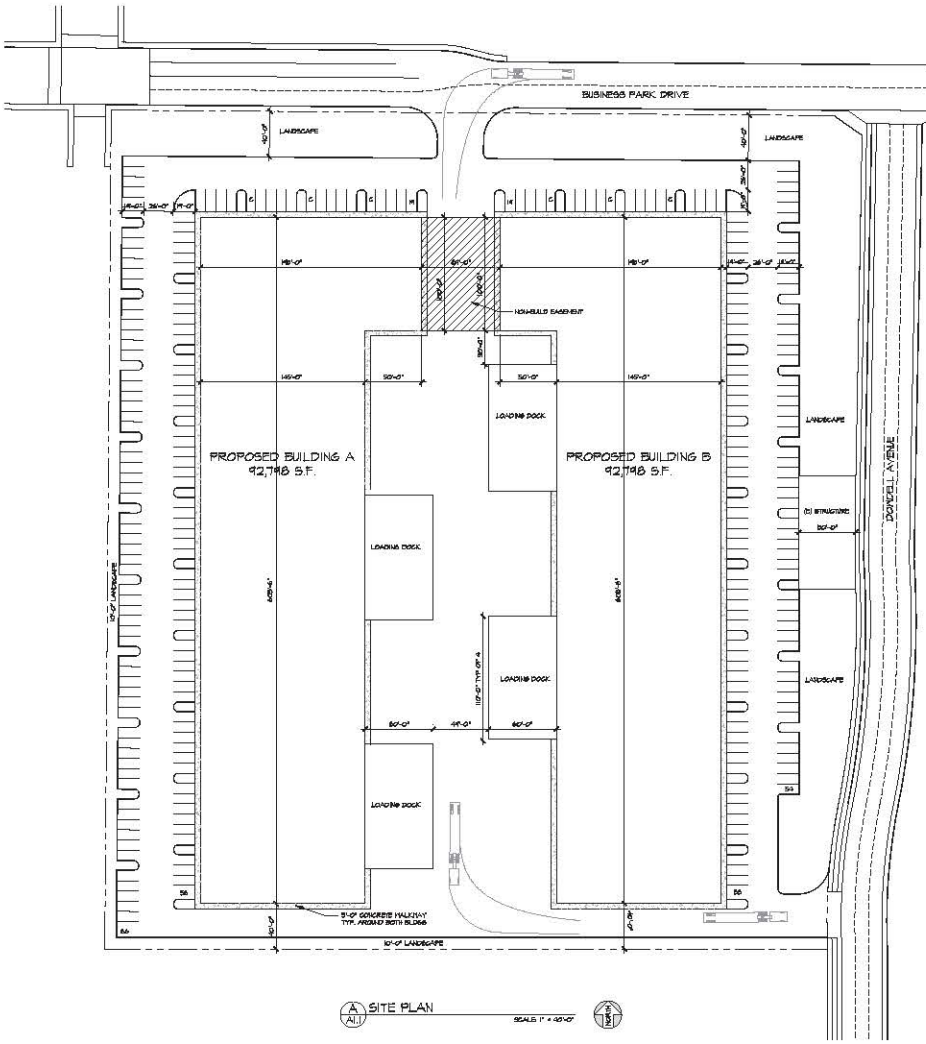
RON REINKING | Managing Director 707.583.8423
rreinking@newmarkccarey.com CA RE license #00931004


SITE
Santa Rosa
Roseland
Rohnert Park
Petaluma
Novato
Vallejo
Napa
Fairfield
Vacaville
Davis
Winters
Dixon
Yolano
Clarksburg
Elk Grove
Florin
Sacramento
Rio Vista
Isleton
Walnut Grove
Thornton
Lodi
Tracy
Livermore
Pleasanton
Hayward
San Leandro
Oakland
San Francisco
Alameda
Berkeley
Richmond
San Rafael
Concord
Pleasant Hill
Walnut Creek
Martinez
Benicia
Antioch
Pittsburg
Brentwood
Oakley
Discovery Bay
Byron
Mt Diablo
Diablo
Tassajara
Mountain House
Livermore
Sunol
Union City
Mendenhall Springs
Fremont
Milpitas
San Jose
Los Gatos
Saratoga
Cupertino
Sunnyvale
Mountain View
Palo Alto
Menlo Park
Redwood City
San Mateo
Burlingame
San Bruno
South San Francisco
Daly City
Pacifica
Half Moon Bay
Woodside
La Honda
Pescadero
Santa Cruz
Scotts Valley
Boulder Creek
Ben Lomond
Felton
Bonny Doon
Davenport
Bonny Doon
Ano Nuevo
Big Basin Redwoods State Park
Henry Coe State Park
Mount Hamilton
Mount Diablo
Point Reyes National Seashore
Golden Gate National Recreation Area
Gulf of the Farallones
Farallon Islands
San Pablo Bay
Suisun Bay
Grizzly Island Wildlife Area
Napa
Sonoma
Petaluma
Novato
Marin
Solano
Yolo
Contra Costa
Alameda
San Mateo
Santa Clara
Santa Cruz
San Benito
Monterey
Google


SITE
Santa Rosa
Rohnert Park
Cotati
Sebastopol
Roseland
Penngrove
Fulton
Graton
Forestville
Hood Mountain Regional Park
Annadel State Park
Spring Lake Park
Santa Rosa Junior College
Charles M. Schulz Museum and Research...
Benziger Family Winery
Kenwood
Glen Ellen
Liberty
Roblar
Orchard
Cadwell
Fredericks
Alten
Hurlbut
Barlow
Riccas Corner
Bloomfield
Fallon
Trenton
Mirabel Park


SITE
Walmart
WILFRED
Roberts Lake Golf Course
Roberts Lake Park
DoubleTree by Hilton Hotel Sonoma...
The Home Depot
Marguerite Hahn Elementary School
Wilfred Ave
Golf Course Dr W
Golf Course Dr
Mountain Shadows Apartments
Foxtail Golf Club
In-N-Out Burger
Scandia Family Fun Center
Evergreen Elementary School
Eagle Park
Stony Point Rd
Rohnert Park Expy
Laguna de Santa Rosa
Rancho Verde
Windsor at Redwood Creek
Reading Cinemas Rohnert Park
Target
Park Plaza Center
Valley Village
Enterprise Dr
Rancho Feliz Mobile Home Park
Redwood Dr
Commerce Blvd
State Farm Dr
Country Club Dr
Southwest Blvd
Rohnert Park
Google


SITE
Business Park Dr
Business Park Dr
Business Park Dr
Business Park Dr
Business Park Dr
Business Park Dr
Labath Ave
Labath Ave
Wills Ave
Parker Hannifin Electromechanical and...
Dowdell Ave
Fiori Estates Apartments



A1.1 SITE PLAN

SCALE 1" = 60'-0"

PROJECT DATA:

JURISDICTION:	CITY OF ROHNERT PARK
PARCEL NUMBER:	148-040-154-000
LOT AREA (GROSS):	4.18,560 S.F. = 10.5 ACRES
BUILDING AREA:	185,595 S.F.
BUILDING COVERAGE:	41 %
ZONING:	IL (LIMITED INDUSTRIAL)
ALLOWABLE AREA:	9 SIDES AT 60' AND 1 SIDE AT 40' AND FIRE SPRINKLERED = UNLIMITED AREA- PER 2013 CBC SECTION. BOTH REDUCTION TO 40' IS ALLOWED
BUILDING CODE:	2013 CBC
CONSTRUCTION TYPE:	V-B, FIRE SPRINKLERED
OCCUPANCY TYPES:	S, B-2, F-1
PARKING CALCULATIONS:	
1/4 OFFICE @ 1/250 SF =	93 SPACES
93% WAREHOUSE @ 1/1000 SF =	173 SPACES
TOTAL REQUIRED =	229 SPACES
TOTAL PROVIDED =	219 SPACES

GBDH

DESIGN GROUP, INC.

ARCHITECTURE
ENGINEERING

9086 Old Winery Place, Suite 1
Sacramento, California 95827
Tel 916.854.9901 Fax 916.854.9040

11/04/16

Project:
WAREHOUSE BUILDING
FOR SPEC

DOWDELL AVENUE,
ROHNERT PARK, CA

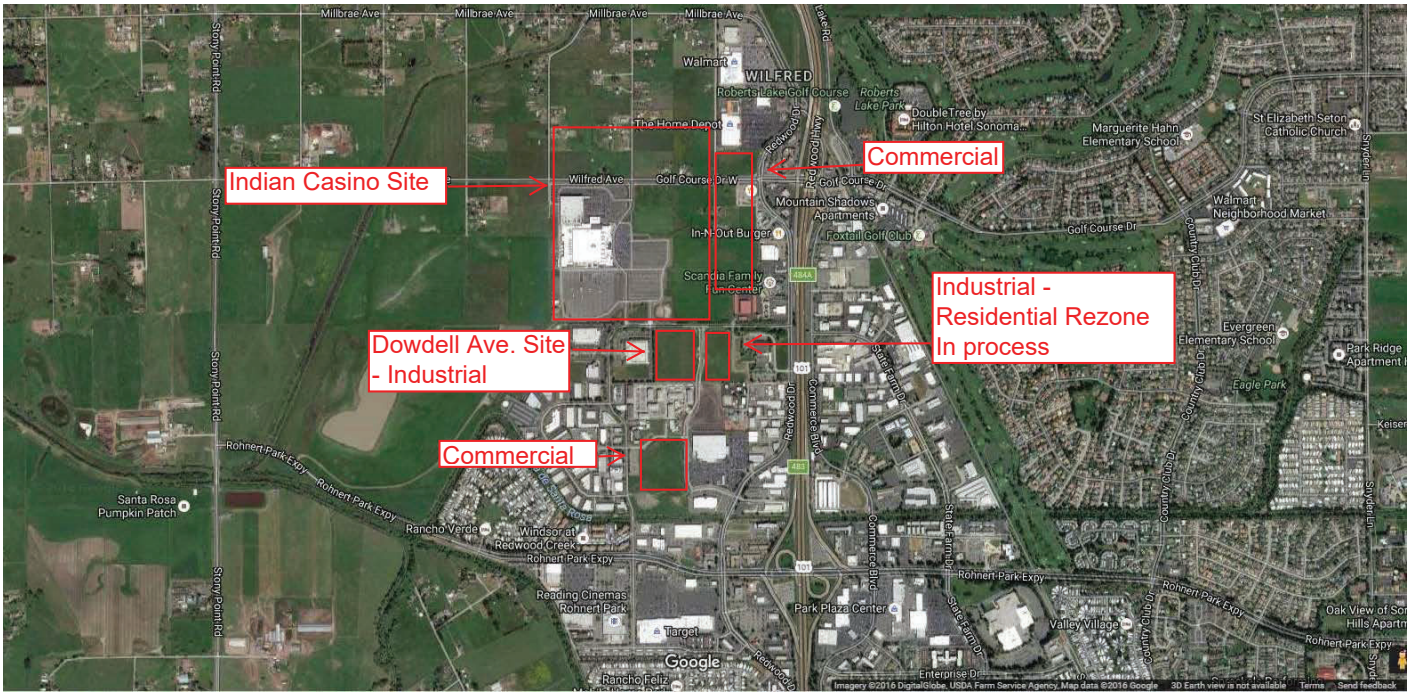
No.	Revision	Date

Client:
alston
CONSTRUCTION

8775 FOLSOM BLVD, SUITE 201
SACRAMENTO, CA 95826
Ph. 916 340 2400 Fx 916 418 2923

Sheet Title:
SITE PLAN

Date	Project No.
09/00/00	P24-3864
Drawn By: JDC	Sheet No. A1.1a
Checked By: RAH	


Indian Casino Site
Commercial
Industrial - Residential Rezone In process
Dowdell Ave. Site - Industrial
Commercial
Millbrae Ave
Stony Point Rd
Walmart
WILFRED
Roberts Lake Golf Course
Roberts Lake Park
DoubleTree by Hilton Hotel Sonoma...
Marguerite Hahn Elementary School
St Elizabeth Seton Catholic Church
The Home Depot
Redwood Dr
Wilfred Ave
Golf Course Dr W
Golf Course Dr
Mountain Shadows Apartments
Walmart Neighborhood Market
In-N-Out Burger
Foxtail Golf Club
Scandia Family Fun Center
Country Club Dr
Evergreen Elementary School
Park Ridge Apartment
Eagle Park
State Farm Dr
Commerce Blvd
Rohnert Park Expy
Santa Rosa Pumpkin Patch
Rancho Verde
Windsor at Redwood Creek
Reading Cinemas Rohnert Park
Target
Park Plaza Center
Valley Village
Oak View of Sonoma Hills Apartments
Enterprise Dr
Rancho Feliz
Google
Imagery ©2016 DigitalGlobe, USDA Farm Service Agency, Map data ©2016 Google
3D Earth view is not available
Terms
Send feedback

APPENDIX E

REGULATORY DATABASE REPORT

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Inquiry Number: 4892010.2s
March 28, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CA 94928

COORDINATES

Latitude (North):	38.3566020 - 38˚ 21' 23.76''
Longitude (West):	122.7190750 - 122˚ 43' 8.67''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	524545.2
UTM Y (Meters):	4245213.0
Elevation:	95 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602420 COTATI, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140608
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CA 94928

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	R.P. PUMP STATION	201 J ROGERS LANE	LUST, CUPA Listings, HIST CORTESE	Higher	351, 0.066, SSE
A2	PARKER HANNIFIN CORP	5500 BUSINESS PARK D	CUPA Listings, NPDES	Lower	447, 0.085, ENE
A3	PARKER HANNIFIN	5500 BUSINESS PARK D	RCRA-SQG, FINDS, ECHO	Lower	447, 0.085, ENE
4	KRCB-TV/KRCB-FM	5850 LABATH AVENUE	CUPA Listings, EMI	Higher	619, 0.117, South
5	IDENTITY SERVICES IN	5805 LABATH AVENUE	FINDS, CUPA Listings, EMI	Higher	744, 0.141, SW
B6	LEMO USA, INC	635 PARK COURT	CUPA Listings, EMI	Lower	911, 0.173, West
B7	IDEX HEALTH & SCIENC	600 PARK CT	CUPA Listings	Lower	916, 0.173, West
C8	R.P. PUMP STATION	201 J ROGERS LN	LUST	Higher	962, 0.182, ESE
B9	GRATON RESORT AND CA	630 PARK CT	RCRA-SQG, FINDS, ECHO	Lower	982, 0.186, West
C10	ROHNERT PARK TREATME	5661 REDWOOD	LUST, SLIC, HIST CORTESE	Higher	989, 0.187, ESE
C11	ROHNERT PARK PUMP ST	5661 REDWOOD DR	SWEEPS UST, CA FID UST	Higher	989, 0.187, ESE
D12	BEVAN AUTO REPAIR	637 MARTIN AVE STE 2	CUPA Listings	Lower	1028, 0.195, WSW
13	SHUTTER CRAFT	5715 REDWOOD DR	RCRA-SQG, FINDS, ECHO	Higher	1076, 0.204, SE
D14	AM PRINTING COMPANY	631 MARTIN AVE STE 4	CUPA Listings, HAZNET	Lower	1126, 0.213, WSW
E15	BIOMARKER TECHNOLOGI	638 MARTIN AVE	CUPA Listings, HAZNET	Lower	1165, 0.221, SW
D16	MASTERWORK ELECTRONI	630 MARTIN AVE STE 1	CUPA Listings	Lower	1167, 0.221, WSW
F17	PRESS DEMOCRAT PROD.	5505 REDWOOD DR	RCRA-SQG, LUST, SWEEPS UST, FINDS, CUPA Listings,...	Higher	1201, 0.227, East
F18	PRESS DEMOCRAT PROD.	5505 REDWOOD DR	UST	Higher	1201, 0.227, East
E19	DISALVO TRUCKING	650 CARLSON	SWEEPS UST, CA FID UST, NPDES	Lower	1214, 0.230, SW
E20	DI SALVO TRUCKING CO	650 CARLSON COURT LA	HIST UST	Lower	1214, 0.230, SW
E21	DI SALVO TRUCKING	650 CARLSON CT	LUST, HIST CORTESE, NPDES	Lower	1214, 0.230, SW
F22	COLONIAL PARK, INC.	5645 REDWOOD OLD	LUST, HIST CORTESE	Higher	1222, 0.231, East
G23	LES SCHWAB TIRE CENT	5353 REDWOOD DR	CUPA Listings	Higher	1226, 0.232, ENE
D24	STANLEY STEEMER OF M	625 MARTIN AVE STE 1	CUPA Listings	Lower	1230, 0.233, WSW
H25	CHARITY MERCHANDISE	5671 REDWOOD DRIVE	HIST UST	Higher	1237, 0.234, ESE
H26	ST. VINCENT DE PAUL	5673 REDWOOD DR	LUST	Higher	1252, 0.237, ESE
H27	SHERWIN-WILLIAMS #80	5673 REDWOOD DR	CUPA Listings, HAZNET	Higher	1262, 0.239, ESE
H28	BWH PRECISSION MOTOR	5685 REDWOOD DR STE	CUPA Listings, HAZNET	Higher	1280, 0.242, ESE
H29	NORTH BAY TRANSMISSI	5685 REDWOOD DR STE	CUPA Listings	Higher	1280, 0.242, ESE
H30	AUTOBODY COLLISION R	5685 REDWOOD DR SUIT	RCRA-SQG, FINDS, ECHO	Higher	1280, 0.242, ESE
H31	ACUR IT HONDA TECH	5677 REDWOOD DR UNIT	RCRA-SQG, FINDS, CUPA Listings, HAZNET, ECHO	Higher	1298, 0.246, ESE
G32	SCANDIA FAMILY CENTE	5301 REDWOOD DRIVE	CUPA Listings, HAZNET	Higher	1298, 0.246, ENE
H33	A.C.E. AUTOMOTIVE	5687 REDWOOD DR STE	CUPA Listings, HAZNET	Higher	1304, 0.247, ESE
34	COSTCO WHOLESALE NO	5901 REDWOOD DR	RCRA-LQG, LUST, FINDS, CUPA Listings, HAZNET,...	Higher	1368, 0.259, SSE
H35	ST. VINCENT DE PAUL	5676 REDWOOD	HIST CORTESE	Higher	1369, 0.259, ESE
36	SHELL (RED DR)	REDWOOD DRIVE 5060	LUST	Higher	1417, 0.268, ENE
37	DISCOVERY OFFICE SYS	REDWOOD DRIVE 5800	LUST	Higher	1429, 0.271, SE
38	ALVARADO BAKERY	500 MARTIN AVE	LUST, SWEEPS UST, HIST CORTESE	Lower	1542, 0.292, SSW
39	HERTZ EQUIPMENT RENT	5500 COMMERCE BLVD	RCRA-SQG, LUST, AST, CUPA Listings, EMI, HIST...	Higher	1613, 0.305, East

MAPPED SITES SUMMARY

Target Property Address:
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CA 94928

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	EMPIRE EQUIPMENT CO	5380 COMMERCE BLVD	RCRA-SQG, LUST, AST, HIST UST, FINDS, CUPA...	Higher	1627, 0.308, ENE
I41	DISCOVERY OFFICE SYS	5800 REDWOOD	HIST UST, HIST CORTESE	Higher	1630, 0.309, SE
I42	DISCOVERY OFFICE SYS	5800 REDWOOD DR	LUST, SWEEPS UST, CA FID UST	Higher	1630, 0.309, SE
43	GROOM PROPERTIES	5925/5980/6100 REDWO	SLIC	Higher	1636, 0.310, SE
44	YOUNG AMERICA HOMES	5800 COMMERCE	LUST, HIST CORTESE	Higher	1679, 0.318, ESE
I45	UNNAMED	5925 REDWOOD DRIVE	SLIC	Higher	1737, 0.329, SE
J46	BOISE CASCADE AKA BM	5300 COMMERCE BOULEV	LUST, HIST CORTESE, Notify 65	Higher	1746, 0.331, ENE
J47	BOISE CASCADE	5300 COMMERCE BLVD.	SEMS-ARCHIVE	Higher	1746, 0.331, ENE
J48	PACIFIC BELL	5210 COMMERCE BOULEV	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	1849, 0.350, ENE
J49	SBC (TD 351)	5210 COMMERCE BLVD	LUST, UST	Higher	1849, 0.350, ENE
50	JC PENNY, FORMER TBA	539 MARTIN	HIST CORTESE	Lower	1867, 0.354, SW
51	TESORO FUEL STATION	5085 REDWOOD DRIVE	LUST	Higher	1893, 0.359, NE
K52	101 INTERNATIONAL, I	6100 REDWOOD	LUST, SLIC, SWEEPS UST, HIST UST, CA FID UST, CUPA...	Higher	1940, 0.367, SSE
K53	101 INTERNATIONAL, I	6100 REDWOOD DR	LUST	Higher	1940, 0.367, SSE
L54	SAFETY-KLEEN SYSTEMS	5750 COMMERCE BLVD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG,...	Higher	2035, 0.385, East
L55	SAFETY KLEEN CORPORA	5750 COMMERCE BOULEV	SLIC, EMI	Higher	2035, 0.385, East
M56	CASTINO RESTAURANT S	50 UTILITY CT	LUST, HIST UST, HIST CORTESE	Higher	2107, 0.399, NE
N57	PORTER, KEN	REDWOOD DR /WILFRED	SLIC	Higher	2207, 0.418, NNE
O58	PROAPS PROPERTIES	5531 STATE FARM DRIV	LUST, HIST UST, HIST CORTESE	Higher	2254, 0.427, East
O59	BLAKE'S AUTO BODY IN	5500 STATE FARM DRIV	LUST, CUPA Listings, EMI, HIST CORTESE	Higher	2309, 0.437, East
M60	CALIFORNIA SHINGLE A	UTILITY COURT 156	LUST	Higher	2314, 0.438, NE
N61	ROHNERT PARK SHELL	5060 REDWOOD DR	LUST	Higher	2382, 0.451, NNE
N62	SHELL (RED DR)	5060 REDWOOD	CUPA Listings, HIST CORTESE	Higher	2382, 0.451, NNE
63	CALIFORNIA SHAKE/SHI	156 UTILITY CT	LUST, HIST UST, HIST CORTESE	Higher	2472, 0.468, ENE
64	PG&E	600 ROHNERT PARK EXP	LUST	Lower	2524, 0.478, SSW
65	NORTH BAY TRACTOR	5100 COMMERCE BLVD	RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,...	Higher	2585, 0.490, NE
P66	WEYERHAEUSER COMMERC	5600 STATE FARM DR	LUST	Higher	2611, 0.495, East
P67	WEST & ASSOCIATES EN	5600 STATE FARM DRIV	EMI, Notify 65	Higher	2611, 0.495, East
P68	WEYERHAEUSER-COMMERC	5600 STATE FARM DRIV	LUST, HIST CORTESE	Higher	2611, 0.495, East
69	CALIFORNIA HIGHWAY P	6100 LABATH AVE	LUST, UST, SWEEPS UST	Lower	2621, 0.496, South
70	OUTER LANDING FIELD,	ROHNERT PARK EXPRESS	RESPONSE, ENVIROSTOR	Lower	2844, 0.539, South
71	CHEVRON U.S.A.	300 ROHNERT PARK	LUST, CA FID UST, Notify 65	Higher	4040, 0.765, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

FEMA UST---------- Underground Storage Tank Listing
AST---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP---------- Voluntary Cleanup Priority Listing
VCP---------- Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT---------- Waste Management Unit Database
SWRCY---------- Recycler Database
HAULERS---------- Registered Waste Tire Haulers Listing
INDIAN ODI---------- Report on the Status of Open Dumps on Indian Lands
ODI---------- Open Dump Inventory
DEBRIS REGION 9---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites---------- Historical Calsites Database
SCH---------- School Property Evaluation Program
CDL---------- Clandestine Drug Labs
Toxic Pits---------- Toxic Pits Cleanup Act Sites
US CDL---------- National Clandestine Laboratory Register

Local Land Records

LIENS---------- Environmental Liens Listing
LIENS 2---------- CERCLA Lien Information
DEED---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS---------- Hazardous Materials Information Reporting System
CHMIRS---------- California Hazardous Material Incident Report System
LDS---------- Land Disposal Sites Listing
MCS---------- Military Cleanup Sites Listing
SPILLS 90---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System

EXECUTIVE SUMMARY

WIP---------- Well Investigation Program Case List
FUELS PROGRAM---------- EPA Fuels Program Registered Listing
ABANDONED MINES-------- Abandoned Mines
ECHO---------- Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto---------- EDR Exclusive Historic Gas Stations
EDR Hist Cleaner---------- EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/10/2016 has revealed that there

are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOISE CASCADE	5300 COMMERCE BLVD.	ENE 1/4 - 1/2 (0.331 mi.)	J47	118
SAFETY-KLEEN SYSTEMS	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFETY-KLEEN SYSTEMS	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFETY-KLEEN SYSTEMS	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHUTTER CRAFT	***5715 REDWOOD DR***	***SE 1/8 - 1/4 (0.204 mi.)***	***13***	***33***
PRESS DEMOCRAT PROD.	***5505 REDWOOD DR***	***E 1/8 - 1/4 (0.227 mi.)***	***F17***	***40***
AUTOBODY COLLISION R	***5685 REDWOOD DR SUIT***	***ESE 1/8 - 1/4 (0.242 mi.)***	***H30***	***66***
ACUR IT HONDA TECH	***5677 REDWOOD DR UNIT***	***ESE 1/8 - 1/4 (0.246 mi.)***	***H31***	***68***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARKER HANNIFIN	*5500 BUSINESS PARK D*	*ENE 0 - 1/8 (0.085 mi.)*	*A3*	*13*
GRATON RESORT AND CA	*630 PARK CT*	*W 1/8 - 1/4 (0.186 mi.)*	*B9*	*25*

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OUTER LANDING FIELD,	*ROHNERT PARK EXPRESS*	*S 1/2 - 1 (0.539 mi.)*	*70*	*245*

Database: RESPONSE, Date of Government Version: 10/31/2016
Status: No Further Action
Facility Id: 80001176

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFETY-KLEEN SYSTEMS	*5750 COMMERCE BLVD*	*E 1/4 - 1/2 (0.385 mi.)*	*L54*	*138*

Facility Id: 80001786
Facility Id: 49280011
Status: Refer: RWQCB

Lower Elevation	Address	Direction / Distance	Map ID	Page
OUTER LANDING FIELD,	*ROHNERT PARK EXPRESS*	*S 1/2 - 1 (0.539 mi.)*	*70*	*245*

Facility Id: 80001176
Status: No Further Action

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 33 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
R.P. PUMP STATION	***201 J ROGERS LANE***	***SSE 0 - 1/8 (0.066 mi.)***	***1***	***8***
Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 12/12/2016 Status: Completed - Case Closed Facility Id: 1TSO585 Global Id: T0609700413				
R.P. PUMP STATION	201 J ROGERS LN	ESE 1/8 - 1/4 (0.182 mi.)	C8	25
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017 Global ID: T0609700413				
ROHNERT PARK TREATME	***5661 REDWOOD***	***ESE 1/8 - 1/4 (0.187 mi.)***	***C10***	***31***
Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO326				
PRESS DEMOCRAT PROD.	***5505 REDWOOD DR***	***E 1/8 - 1/4 (0.227 mi.)***	***F17***	***40***
Database: LUST, Date of Government Version: 12/12/2016 Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017 Status: Completed - Case Closed Global Id: T0609792237 Global ID: T0609792237				
COLONIAL PARK, INC.	***5645 REDWOOD OLD***	***E 1/8 - 1/4 (0.231 mi.)***	***F22***	***60***
Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO455				
ST. VINCENT DE PAUL	5673 REDWOOD DR	ESE 1/8 - 1/4 (0.237 mi.)	H26	62
Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 12/12/2016 Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017 Status: Completed - Case Closed Facility Id: 1TSO084 Global Id: T0609700057 Global ID: T0609700057				
COSTCO WHOLESALE NO	***5901 REDWOOD DR***	***SSE 1/4 - 1/2 (0.259 mi.)***	***34***	***74***
Database: LUST, Date of Government Version: 12/12/2016 Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017 Status: Open - Site Assessment Global Id: T10000009043 Global ID: T10000009043				
SHELL (RED DR)	REDWOOD DRIVE 5060	ENE 1/4 - 1/2 (0.268 mi.)	36	89
Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO667				
DISCOVERY OFFICE SYS	REDWOOD DRIVE 5800	SE 1/4 - 1/2 (0.271 mi.)	37	89
Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO468				
HERTZ EQUIPMENT RENT	***5500 COMMERCE BLVD***	***E 1/4 - 1/2 (0.305 mi.)***	***39***	***92***
Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 12/12/2016 Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017				

Status: Completed - Case Closed
Facility Id: 1TSO600
Global Id: T0609700424
Global ID: T0609700424

EMPIRE EQUIPMENT CO ***5380 COMMERCE BLVD*** ***ENE 1/4 - 1/2 (0.308 mi.)*** ***40*** ***106***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO021
Global Id: T0609700014
Global ID: T0609700014

DISCOVERY OFFICE SYS ***5800 REDWOOD DR*** ***SE 1/4 - 1/2 (0.309 mi.)*** ***I42*** ***111***
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609700331
Global ID: T0609700331

YOUNG AMERICA HOMES ***5800 COMMERCE*** ***ESE 1/4 - 1/2 (0.318 mi.)*** ***44*** ***114***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO044
Global Id: T0609700031
Global ID: T0609700031

BOISE CASCADE AKA BM ***5300 COMMERCE BOULEV*** ***ENE 1/4 - 1/2 (0.331 mi.)*** ***J46*** ***116***
Database: LUST, Date of Government Version: 12/12/2016
Status: Completed - Case Closed
Global Id: T0609700114

PACIFIC BELL ***5210 COMMERCE BOULEV*** ***ENE 1/4 - 1/2 (0.350 mi.)*** ***J48*** ***119***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Facility Id: 1TSO223

SBC (TD 351) ***5210 COMMERCE BLVD*** ***ENE 1/4 - 1/2 (0.350 mi.)*** ***J49*** ***128***
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609700168
Global ID: T0609700168

TESORO FUEL STATION 5085 REDWOOD DRIVE NE 1/4 - 1/2 (0.359 mi.) 51 130
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609729469
Global ID: T0609729469

101 INTERNATIONAL, I ***6100 REDWOOD*** ***SSE 1/4 - 1/2 (0.367 mi.)*** ***K52*** ***135***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Facility Id: 1TSO238

101 INTERNATIONAL, I 6100 REDWOOD DR SSE 1/4 - 1/2 (0.367 mi.) K53 138
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Global ID: T0609700180

SAFETY-KLEEN SYSTEMS ***5750 COMMERCE BLVD*** ***E 1/4 - 1/2 (0.385 mi.)*** ***L54*** ***138***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016

Status: Completed - Case Closed
Facility Id: 1TSO246
Global Id: T0609791162

CASTINO RESTAURANT S	***50 UTILITY CT***	***NE 1/4 - 1/2 (0.399 mi.)***	***M56***	***204***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO066
Global Id: T0609700042
Global ID: T0609700042

PROAPS PROPERTIES	***5531 STATE FARM DRIV***	***E 1/4 - 1/2 (0.427 mi.)***	***O58***	***207***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO120
Global Id: T0609700090
Global ID: T0609700090

BLAKE'S AUTO BODY IN	***5500 STATE FARM DRIV***	***E 1/4 - 1/2 (0.437 mi.)***	***O59***	***210***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO132
Global Id: T0609700101
Global ID: T0609700101

CALIFORNIA SHINGLE A	UTILITY COURT 156	NE 1/4 - 1/2 (0.438 mi.)	M60	216

Database: LUST REG 1, Date of Government Version: 02/01/2001
Facility Id: 1TSO735

ROHNERT PARK SHELL	5060 REDWOOD DR	NNE 1/4 - 1/2 (0.451 mi.)	N61	217

Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609700477
Global ID: T0609700477

CALIFORNIA SHAKE/SHI	***156 UTILITY CT***	***ENE 1/4 - 1/2 (0.468 mi.)***	***63***	***224***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO519
Global Id: T0609700365
Global Id: T0609700511
Global ID: T0609700511

NORTH BAY TRACTOR	***5100 COMMERCE BLVD***	***NE 1/4 - 1/2 (0.490 mi.)***	***65***	***229***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO126
Global Id: T0609700096
Global ID: T0609700096

WEYERHAEUSER COMMERC	5600 STATE FARM DR	E 1/4 - 1/2 (0.495 mi.)	P66	235

Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017

Global ID: T0609700067

WEYERHAEUSER-COMMERC ***5600 STATE FARM DRIV*** ***E 1/4 - 1/2 (0.495 mi.)*** ***P68*** ***238***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Status: Completed - Case Closed
Facility Id: 1TSO094
Global Id: T0609700067

Lower Elevation	Address	Direction / Distance	Map ID	Page
DI SALVO TRUCKING	***650 CARLSON CT***	***SW 1/8 - 1/4 (0.230 mi.)***	***E21***	***56***

Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO582
Global Id: T0609700410
Global ID: T0609700410

ALVARADO BAKERY ***500 MARTIN AVE*** ***SSW 1/4 - 1/2 (0.292 mi.)*** ***38*** ***90***
Database: LUST REG 1, Date of Government Version: 02/01/2001
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Facility Id: 1TSO628
Global Id: T0609700447
Global ID: T0609700447

PG&E 600 ROHNERT PARK EXP SSW 1/4 - 1/2 (0.478 mi.) 64 228
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609700363
Global ID: T0609700363

CALIFORNIA HIGHWAY P ***6100 LABATH AVE*** ***S 1/4 - 1/2 (0.496 mi.)*** ***69*** ***243***
Database: LUST, Date of Government Version: 12/12/2016
Database: SONOMA CO. LUST, Date of Government Version: 01/04/2017
Status: Completed - Case Closed
Global Id: T0609732496
Global ID: T0609732496

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 7 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROHNERT PARK TREATME	***5661 REDWOOD***	***ESE 1/8 - 1/4 (0.187 mi.)***	***C10***	***31***

Database: SLIC, Date of Government Version: 12/12/2016
Facility Status: Completed - Case Closed

Global Id: SL0609779496

GROOM PROPERTIES Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Open - Site Assessment Global Id: SL0609763696	5925/5980/6100 REDWO	SE 1/4 - 1/2 (0.310 mi.)	43	114
UNNAMED Database: SLIC REG 1, Date of Government Version: 04/03/2003 Facility Id: 1NSO796	5925 REDWOOD DRIVE	SE 1/4 - 1/2 (0.329 mi.)	I45	116
101 INTERNATIONAL, I Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Open - Inactive Global Id: T0609700180	***6100 REDWOOD***	***SSE 1/4 - 1/2 (0.367 mi.)***	***K52***	***135***
SAFETY-KLEEN SYSTEMS Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Open - Remediation Global Id: T0609700186	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***
SAFETY KLEEN CORPORA Database: SLIC REG 1, Date of Government Version: 04/03/2003 Facility Id: 1NSO246	***5750 COMMERCE BOULEV***	***E 1/4 - 1/2 (0.385 mi.)***	***L55***	***200***
PORTER, KEN Database: SLIC, Date of Government Version: 12/12/2016 Database: SLIC REG 1, Date of Government Version: 04/03/2003 Facility Status: Completed - Case Closed Facility Id: 1NSO438 Global Id: T0609793247	REDWOOD DR /WILFRED	NNE 1/4 - 1/2 (0.418 mi.)	N57	207

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRESS DEMOCRAT PROD. Database: UST, Date of Government Version: 09/12/2016 Facility Id: 295	5505 REDWOOD DR	E 1/8 - 1/4 (0.227 mi.)	F18	51

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank

listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROHNERT PARK PUMP ST Status: A Tank Status: A Comp Number: 1744	***5661 REDWOOD DR***	***ESE 1/8 - 1/4 (0.187 mi.)***	***C11***	***32***
PRESS DEMOCRAT PROD. Status: A Tank Status: A Comp Number: 6620	***5505 REDWOOD DR***	***E 1/8 - 1/4 (0.227 mi.)***	***F17***	***40***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DISALVO TRUCKING Status: A Tank Status: A Comp Number: 1573	***650 CARLSON***	***SW 1/8 - 1/4 (0.230 mi.)***	***E19***	***51***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHARITY MERCHANDISE Facility Id: 00000049763	5671 REDWOOD DRIVE	ESE 1/8 - 1/4 (0.234 mi.)	H25	61

Lower Elevation	Address	Direction / Distance	Map ID	Page
DI SALVO TRUCKING CO Facility Id: 00000020459	650 CARLSON COURT LA	SW 1/8 - 1/4 (0.230 mi.)	E20	55

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROHNERT PARK PUMP ST Facility Id: 49000907 Status: A	***5661 REDWOOD DR***	***ESE 1/8 - 1/4 (0.187 mi.)***	***C11***	***32***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DISALVO TRUCKING	***650 CARLSON***	***SW 1/8 - 1/4 (0.230 mi.)***	***E19***	***51***

Facility Id: 49001049
Status: A

Other Ascertainable Records

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 19 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
R.P. PUMP STATION	***201 J ROGERS LANE***	***SSE 0 - 1/8 (0.066 mi.)***	***1***	***8***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 176				
KRCB-TV/KRCB-FM	***5850 LABATH AVENUE***	***S 0 - 1/8 (0.117 mi.)***	***4***	***16***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 7137				
IDENTITY SERVICES IN	***5805 LABATH AVENUE***	***SW 1/8 - 1/4 (0.141 mi.)***	***5***	***17***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Inactive				
PRESS DEMOCRAT PROD.	***5505 REDWOOD DR***	***E 1/8 - 1/4 (0.227 mi.)***	***F17***	***40***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 295				
LES SCHWAB TIRE CENT	5353 REDWOOD DR	ENE 1/8 - 1/4 (0.232 mi.)	G23	60
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 8056				
SHERWIN-WILLIAMS #80	***5673 REDWOOD DR***	***ESE 1/8 - 1/4 (0.239 mi.)***	***H27***	***63***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active				
BWH PRECISSION MOTOR	***5685 REDWOOD DR STE***	***ESE 1/8 - 1/4 (0.242 mi.)***	***H28***	***65***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active				
NORTH BAY TRANSMISSI	5685 REDWOOD DR STE	ESE 1/8 - 1/4 (0.242 mi.)	H29	66
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 7439				
ACUR IT HONDA TECH	***5677 REDWOOD DR UNIT***	***ESE 1/8 - 1/4 (0.246 mi.)***	***H31***	***68***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 3165				
SCANDIA FAMILY CENTE	***5301 REDWOOD DRIVE***	***ENE 1/8 - 1/4 (0.246 mi.)***	***G32***	***71***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016				

internal Field: Active

A.C.E. AUTOMOTIVE ***5687 REDWOOD DR STE*** ***ESE 1/8 - 1/4 (0.247 mi.)*** ***H33*** ***72***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016
internal Field: Active
Permit: 4359

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARKER HANNIFIN CORP	***5500 BUSINESS PARK D***	***ENE 0 - 1/8 (0.085 mi.)***	***A2***	***10***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 2159				
LEMO USA, INC	***635 PARK COURT***	***W 1/8 - 1/4 (0.173 mi.)***	***B6***	***21***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 6022				
IDEX HEALTH & SCIENC	600 PARK CT	W 1/8 - 1/4 (0.173 mi.)	B7	24
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 5885				
BEVAN AUTO REPAIR	637 MARTIN AVE STE 2	WSW 1/8 - 1/4 (0.195 mi.)	D12	33
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active				
AM PRINTING COMPANY	***631 MARTIN AVE STE 4***	***WSW 1/8 - 1/4 (0.213 mi.)***	***D14***	***35***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 5748				
BIOMARKER TECHNOLOGI	***638 MARTIN AVE***	***SW 1/8 - 1/4 (0.221 mi.)***	***E15***	***36***
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active				
MASTERWORK ELECTRONI	630 MARTIN AVE STE 1	WSW 1/8 - 1/4 (0.221 mi.)	D16	39
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active internal Field: Inactive Permit: 6749 Permit: 4785				
STANLEY STEEMER OF M	625 MARTIN AVE STE 1	WSW 1/8 - 1/4 (0.233 mi.)	D24	61
Database: CUPA SONOMA, Date of Government Version: 12/22/2016 internal Field: Active Permit: 7630				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 22 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
R.P. PUMP STATION	***201 J ROGERS LANE***	***SSE 0 - 1/8 (0.066 mi.)***	***1***	***8***

Reg Id: 1TSO525				
ROHNERT PARK TREATME	***5661 REDWOOD***	***ESE 1/8 - 1/4 (0.187 mi.)***	***C10***	***31***
Reg Id: 1TSO326				
COLONIAL PARK, INC.	***5645 REDWOOD OLD***	***E 1/8 - 1/4 (0.231 mi.)***	***F22***	***60***
Reg Id: 1TSO455				
ST. VINCENT DE PAUL	5676 REDWOOD	ESE 1/4 - 1/2 (0.259 mi.)	H35	89
Reg Id: 1TSO084				
HERTZ EQUIPMENT RENT	***5500 COMMERCE BLVD***	***E 1/4 - 1/2 (0.305 mi.)***	***39***	***92***
Reg Id: 1TSO600				
EMPIRE EQUIPMENT CO	***5380 COMMERCE BLVD***	***ENE 1/4 - 1/2 (0.308 mi.)***	***40***	***106***
Reg Id: 1TSO021				
DISCOVERY OFFICE SYS	***5800 REDWOOD***	***SE 1/4 - 1/2 (0.309 mi.)***	***I41***	***111***
Reg Id: 1TSO468				
YOUNG AMERICA HOMES	***5800 COMMERCE***	***ESE 1/4 - 1/2 (0.318 mi.)***	***44***	***114***
Reg Id: 1TSO044				
BOISE CASCADE AKA BM	***5300 COMMERCE BOULEV***	***ENE 1/4 - 1/2 (0.331 mi.)***	***J46***	***116***
Reg Id: 1TSO146				
PACIFIC BELL	***5210 COMMERCE BOULEV***	***ENE 1/4 - 1/2 (0.350 mi.)***	***J48***	***119***
Reg Id: 1TSO223				
101 INTERNATIONAL, I	***6100 REDWOOD***	***SSE 1/4 - 1/2 (0.367 mi.)***	***K52***	***135***
Reg Id: 1TSO238				
SAFETY-KLEEN SYSTEMS	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***
Reg Id: 1TSO246				
CASTINO RESTAURANT S	***50 UTILITY CT***	***NE 1/4 - 1/2 (0.399 mi.)***	***M56***	***204***
Reg Id: 1TSO066				
PROAPS PROPERTIES	***5531 STATE FARM DRIV***	***E 1/4 - 1/2 (0.427 mi.)***	***O58***	***207***
Reg Id: 1TSO120				
BLAKE'S AUTO BODY IN	***5500 STATE FARM DRIV***	***E 1/4 - 1/2 (0.437 mi.)***	***O59***	***210***
Reg Id: 1TSO132				
SHELL (RED DR)	***5060 REDWOOD***	***NNE 1/4 - 1/2 (0.451 mi.)***	***N62***	***223***
CALIFORNIA SHAKE/SHI	***156 UTILITY CT***	***ENE 1/4 - 1/2 (0.468 mi.)***	***63***	***224***
Reg Id: 1TSO735				
Reg Id: 1TSO519				
NORTH BAY TRACTOR	***5100 COMMERCE BLVD***	***NE 1/4 - 1/2 (0.490 mi.)***	***65***	***229***
Reg Id: 1TSO126				
WEYERHAEUSER-COMMERC	***5600 STATE FARM DRIV***	***E 1/4 - 1/2 (0.495 mi.)***	***P68***	***238***
Reg Id: 1TSO094				

Lower Elevation	Address	Direction / Distance	Map ID	Page
DI SALVO TRUCKING	***650 CARLSON CT***	***SW 1/8 - 1/4 (0.230 mi.)***	***E21***	***56***
Reg Id: 1TSO582				
ALVARADO BAKERY	***500 MARTIN AVE***	***SSW 1/4 - 1/2 (0.292 mi.)***	***38***	***90***
Reg Id: 1TSO628				
JC PENNY, FORMER TBA	539 MARTIN	SW 1/4 - 1/2 (0.354 mi.)	50	129
Reg Id: 2518				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/21/2016 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFETY-KLEEN SYSTEMS	***5750 COMMERCE BLVD***	***E 1/4 - 1/2 (0.385 mi.)***	***L54***	***138***
EPA Id: CAT000613943				
Cleanup Status: CLOSED				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/16/2016 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

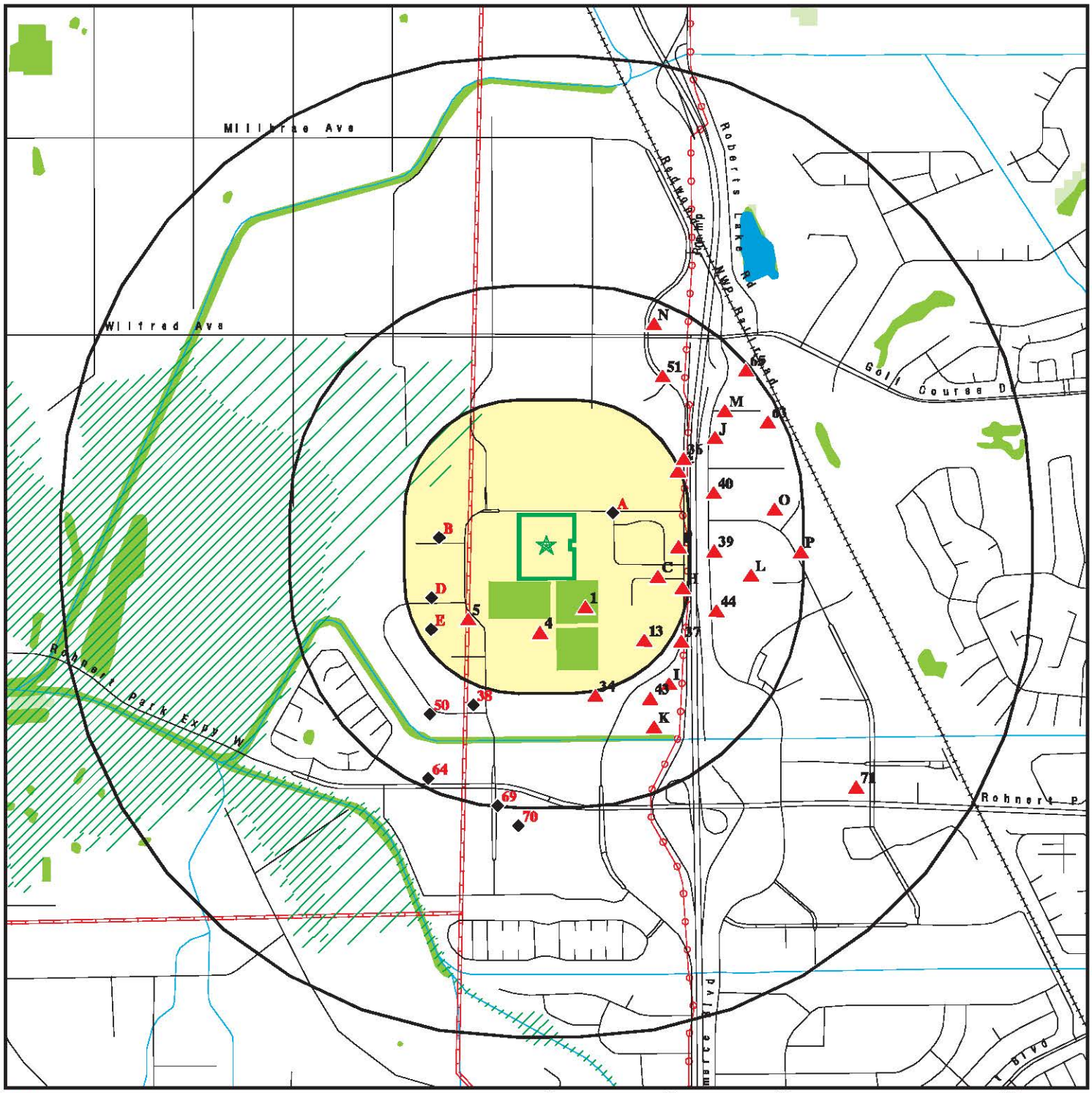
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRESS DEMOCRAT PROD.	***5505 REDWOOD DR***	***E 1/8 - 1/4 (0.227 mi.)***	***F17***	***40***
BOISE CASCADE AKA BM	***5300 COMMERCE BOULEV***	***ENE 1/4 - 1/2 (0.331 mi.)***	***J46***	***116***
PACIFIC BELL	***5210 COMMERCE BOULEV***	***ENE 1/4 - 1/2 (0.350 mi.)***	***J48***	***119***
WEST & ASSOCIATES EN	***5600 STATE FARM DRIV***	***E 1/4 - 1/2 (0.495 mi.)***	***P67***	***236***
CHEVRON U.S.A.	***300 ROHNERT PARK***	***SE 1/2 - 1 (0.765 mi.)***	***71***	***248***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
BOISE CASCADE AKA BMC WEST	LUST
STEVENSON EQUIPMENT	LUST
FAST & EASY MART	LUST
US OUTER LANDING FIELD	SLIC

OVERVIEW MAP - 4892010.2S



0 1/4 1/2 1 Miles

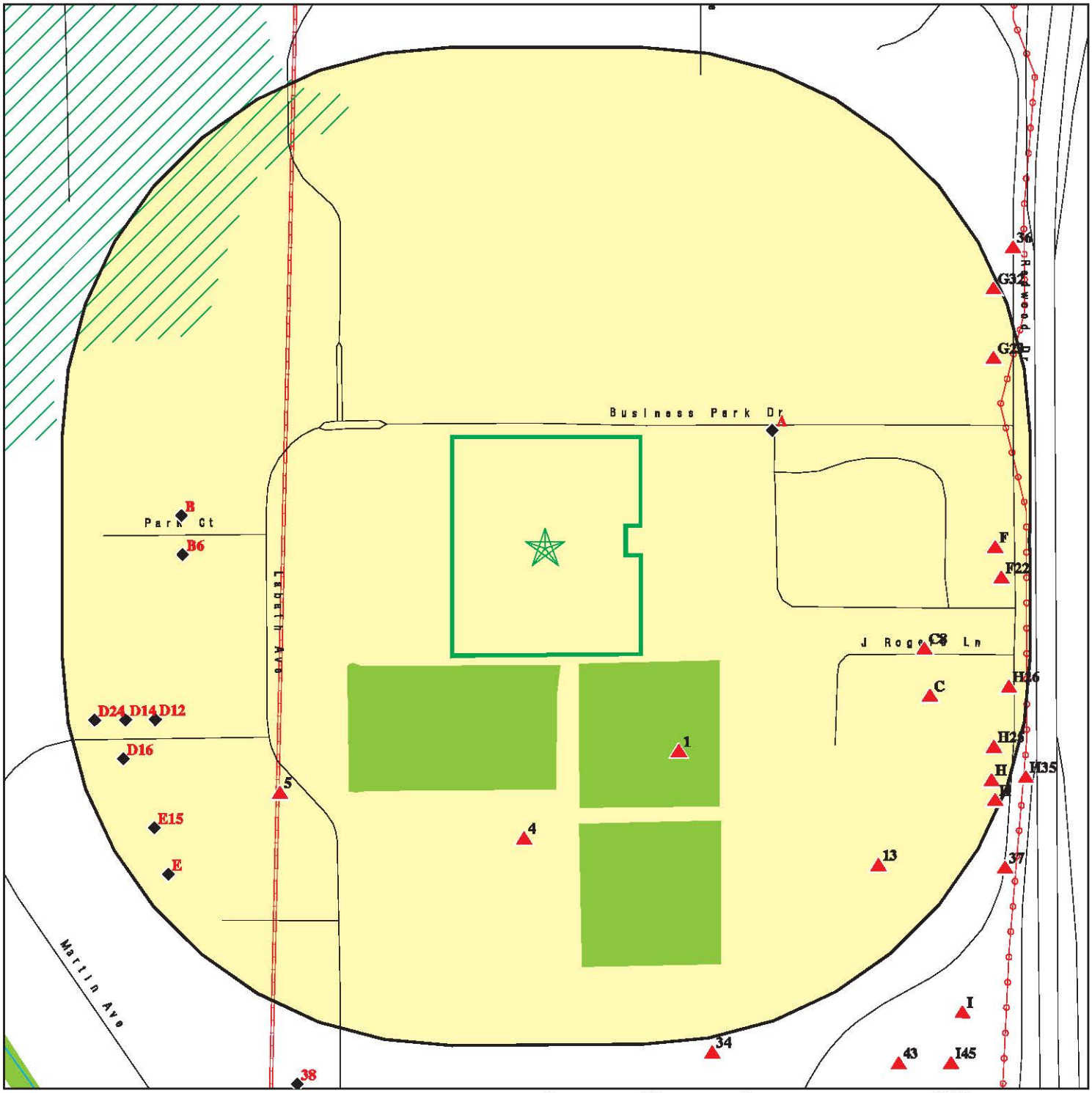
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Vacant Lot - Rohnert Park	CLIENT:	ATC Group Services LLC
ADDRESS:	Business Park Drive & Dowdell Avenue Rohnert Park CA 94928	CONTACT:	Destiny Hazra
LAT/LONG:	38.356602 / 122.719075	INQUIRY #:	4892010.2s
		DATE:	March 28, 2017 2:39 pm

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DETAIL MAP - 4892010.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Vacant Lot - Rohnert Park	CLIENT:	ATC Group Services LLC
ADDRESS:	Business Park Drive & Dowdell Avenue Rohnert Park CA 94928	CONTACT:	Destiny Hazra
LAT/LONG:	38.356602 / 122.719075	INQUIRY #:	4892010.2s
		DATE:	March 28, 2017 2:43 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	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	2	NR	NR	2
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	5	NR	NR	NR	6
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	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		0	0	1	1	NR	2
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	6	26	NR	NR	33

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
SLIC	0.500		0	1	6	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
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		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	2	NR	NR	NR	2
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
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

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
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		3	16	NR	NR	NR	19
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
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		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	3	18	NR	NR	22
HWP	1.000		0	0	1	0	NR	1

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
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	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	1	3	1	NR	5
UIC	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
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	6	40	59	3	0	108

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
SSE
< 1/8
0.066 mi.
351 ft.

R.P. PUMP STATION
201 J ROGERS LANE
ROHNERT PARK, CA 94928

LUST
CUPA Listings
HIST CORTESE

S101304881
N/A

Relative:
Higher

Actual:
98 ft.

LUST:

Region:	STATE
Global Id:	T0609700413
Latitude:	38.354735255
Longitude:	-122.7163128
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/24/1997
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO585
LOC Case Number:	00001744
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700413
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700413
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700413
Status:	Open - Case Begin Date
Status Date:	10/13/1992

Global Id:	T0609700413
Status:	Open - Site Assessment
Status Date:	03/11/1994

Global Id:	T0609700413
Status:	Completed - Case Closed
Status Date:	04/24/1997

R.P. PUMP STATION (Continued) **S101304881**

Regulatory Activities:

Global Id:	T0609700413
Action Type:	Other
Date:	10/13/1992
Action:	Leak Stopped
Global Id:	T0609700413
Action Type:	ENFORCEMENT
Date:	04/24/1997
Action:	Closure/No Further Action Letter
Global Id:	T0609700413
Action Type:	Other
Date:	12/03/1993
Action:	Leak Reported
Global Id:	T0609700413
Action Type:	ENFORCEMENT
Date:	04/24/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609700413
Action Type:	ENFORCEMENT
Date:	04/24/2003
Action:	File review
Global Id:	T0609700413
Action Type:	Other
Date:	10/13/1992
Action:	Leak Discovery

LUST REG 1:

Region:	1
Facility ID:	1TSO585
Staff Initials:	Closed

CUPA SONOMA:

Facility ID:	49-000-000176
Permit:	176
Type:	HMBP
HMBP:	True
UST:	False
HWG:	False
calarp:	False
AST:	True
HW Treatment:	False
Fee Schedule:	Range 3
CERS ID:	10101064
Experation Date:	08/20/2011

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA

R.P. PUMP STATION (Continued) **S101304881**

Reg Id: 1TSO525

A2
ENE
< 1/8
0.085 mi.
447 ft.

PARKER HANNIFIN CORPORATION
5500 BUSINESS PARK DRIVE
ROHNERT PARK, CA 94928

CUPA Listings **S100870153**
NPDES **N/A**

Site 1 of 2 in cluster A

Relative:
Lower

Actual:
93 ft.

CUPA SONOMA:

Facility ID:	49-000-002159
Permit:	2159
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10102804
Experation Date:	07/21/2014

Facility ID:	49-000-002159
Permit:	2159
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 5
CERS ID:	10102804
Experation Date:	07/21/2014

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	1
Regulatory Measure Id:	464199
Order No:	Not reported
Regulatory Measure Type:	No Exposure Certification
Place Id:	Not reported
WDID:	1 49NEC001522
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	11/2/2015
PROCESSED DATE:	11/13/2015

PARKER HANNIFIN CORPORATION (Continued) **S100870153**

STATUS CODE NAME:	Active
STATUS DATE:	11/13/2015
PLACE SIZE:	10
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bryan Woods
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	707-584-2445
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	bwoods@parker.com
OPERATOR NAME:	Parker Hannifin Corporation
OPERATOR ADDRESS:	5500 Business Park Drive
OPERATOR CITY:	Rohnert Park
OPERATOR STATE:	California
OPERATOR ZIP:	94928
OPERATOR CONTACT NAME:	Bryan Woods
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	707-584-2445
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	bwoods@parker.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Christopher Griffin
CERTIFIER TITLE:	General Manager
CERTIFICATION DATE:	29-AUG-16
PRIMARY SIC:	3625-Relays and Industrial Controls
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Active

PARKER HANNIFIN CORPORATION (Continued) **S100870153**

Agency Id:	0
Region:	1
Regulatory Measure Id:	464199
Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	1 49NEC001522
Program Type:	No Exposure Certification
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/13/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Parker Hannifin Corporation
Discharge Address:	5500 Business Park Drive
Discharge City:	Rohnert Park
Discharge State:	California
Discharge Zip:	94928
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported

PARKER HANNIFIN CORPORATION (Continued) **S100870153**

CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

A3 **PARKER HANNIFIN** **RCRA-SQG 1008194473**
ENE **5500 BUSINESS PARK DRIVE** **FINDS CAL000043996**
< 1/8 **ROHNERT PARK, CA 94928** **ECHO**
0.085 mi.
447 ft. **Site 2 of 2 in cluster A**

Relative:
Lower

Actual:
93 ft.

RCRA-SQG:

Date form received by agency:	03/03/2008
Facility name:	PARKER HANNIFIN
Facility address:	5500 BUSINESS PARK DRIVE ROHNERT PARK, CA 94928
EPA ID:	CAL000043996
Contact:	DAVID D DORN
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(707) 584-2475
Contact email:	DDORN@PARKER.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PARKER HANNIFIN
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1986
Owner/Op end date:	Not reported

Owner/operator name:	PARKER HANNIFIN
Owner/operator address:	6035 PARKLAND BLVD CLEVELAND, OH 44124

PARKER HANNIFIN (Continued) **1008194473**

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1989
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

Historical Generators:
Date form received by agency: 02/28/2006
Site name: PARKER HANNIFIN
Classification: Small Quantity Generator

Date form received by agency: 02/28/2006
Site name: PARKER HANNIFIN
Classification: Large Quantity Generator

. Waste code: 291
. Waste name: 291

PARKER HANNIFIN (Continued) **1008194473**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U016
. Waste name: BENZ[C]ACRIDINE

Date form received by agency: 02/25/2004
Site name: PARKER HANNIFIN
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

PARKER HANNIFIN (Continued) **1008194473**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110001172793

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

ECHO:
Envid: 1008194473
Registry ID: 110001172793
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001172793

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4 South < 1/8 0.117 mi. 619 ft.

Relative: Higher

Actual: 97 ft.

KRCB-TV/KRCB-FM
5850 LABATH AVENUE
ROHNERT PARK, CA 94928

CUPA Listings **S112444877**
EMI **N/A**

CUPA SONOMA:
Facility ID: 49-000-007137
Permit: 7137
Type: HMBP
HMBP: True
UST: False
HWG: False
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Range 2
CERS ID: 10110982
Experation Date: 11/17/2018

EMI:
Year: 2013

KRCB-TV/KRCB-FM (Continued) **S112444877**

County Code:	49
Air Basin:	SF
Facility ID:	21509
Air District Name:	BA
SIC Code:	4833
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.002
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	21509
Air District Name:	BA
SIC Code:	4833
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000146248
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001334092
NOX - Oxides of Nitrogen Tons/Yr:	0.002405418
SOX - Oxides of Sulphur Tons/Yr:	4.937e-006
Particulate Matter Tons/Yr:	4.7091e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.5207e-005

5
SW
1/8-1/4
0.141 mi.
744 ft.

Relative:
Higher

Actual:
96 ft.

IDENTITY SERVICES INC **FINDS** **1005775937**
5805 LABATH AVENUE **CUPA Listings** **N/A**
ROHNERT PARK, CA 94928 **EMI**

FINDS:

Registry ID: 110002408902

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

CUPA SONOMA:

Facility ID:	49-000-007559
Permit:	Not reported
Type:	Hazardous Waste
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported

IDENTITY SERVICES INC (Continued) **1005775937**

Fee Schedule: Exempt
CERS ID: 10112128
Experation Date: 12/20/2015

Facility ID: 49-000-007559
Permit: Not reported
Type: HMBP
HMBP: Not reported
UST: Not reported
HWG: Not reported
calarp: Not reported
AST: Not reported
HW Treatment: Not reported
Fee Schedule: Range 2
CERS ID: 10112128
Experation Date: 12/20/2015

EMI:

Year: 1995
County Code: 49
Air Basin: SF
Facility ID: 9115
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1996
County Code: 49
Air Basin: SF
Facility ID: 9115
Air District Name: BA
SIC Code: 2759
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1997
County Code: 49
Air Basin: SF
Facility ID: 9115
Air District Name: BA

IDENTITY SERVICES INC (Continued) **1005775937**

SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3

IDENTITY SERVICES INC (Continued) **1005775937**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	49
Air Basin:	SF
Facility ID:	9115
Air District Name:	BA
SIC Code:	2759
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

B6 **LEMO USA, INC** **CUPA Listings** **S108432354**
West **635 PARK COURT** **EMI** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.173 mi.
911 ft. **Site 1 of 3 in cluster B**

Relative:
Lower

Actual:
94 ft.

CUPA SONOMA:

Facility ID:	49-000-006022
Permit:	6022
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 2
CERS ID:	10108363
Experation Date:	10/14/2019

Facility ID:	49-000-006022
Permit:	6022
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG Recyclable - < 5 galllons/month (non-exempt)
CERS ID:	10108363
Experation Date:	10/14/2019

EMI:

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.106
Reactive Organic Gases Tons/Yr:	.0428367
Carbon Monoxide Emissions Tons/Yr:	.002
NOX - Oxides of Nitrogen Tons/Yr:	.011
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

LEMO USA, INC (Continued) **S108432354**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.106
Reactive Organic Gases Tons/Yr:	.0428367
Carbon Monoxide Emissions Tons/Yr:	.002
NOX - Oxides of Nitrogen Tons/Yr:	.009
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.02
Reactive Organic Gases Tons/Yr:	.008
Carbon Monoxide Emissions Tons/Yr:	.001
NOX - Oxides of Nitrogen Tons/Yr:	.005
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.02
Reactive Organic Gases Tons/Yr:	.008
Carbon Monoxide Emissions Tons/Yr:	.001
NOX - Oxides of Nitrogen Tons/Yr:	.005
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1000000000000001E-2
Reactive Organic Gases Tons/Yr:	8.8366999999999994E-3
Carbon Monoxide Emissions Tons/Yr:	0.002
NOX - Oxides of Nitrogen Tons/Yr:	7.0000000000000001E-3
SOX - Oxides of Sulphur Tons/Yr:	0

LEMO USA, INC (Continued) **S108432354**

Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.7599999999999998E-4
Year:	2010
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02
Reactive Organic Gases Tons/Yr:	8.0000000000000002E-3
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	4.0000000000000001E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2011
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02
Reactive Organic Gases Tons/Yr:	0.008
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.004
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2012
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02
Reactive Organic Gases Tons/Yr:	0.008
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.004
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2013
County Code:	49
Air Basin:	SF

LEMO USA, INC (Continued) **S108432354**

Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02
Reactive Organic Gases Tons/Yr:	0.008
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.004
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	16630
Air District Name:	BA
SIC Code:	5065
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.019957013
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.0008772
NOX - Oxides of Nitrogen Tons/Yr:	0.004034934
SOX - Oxides of Sulphur Tons/Yr:	1.871e-006
Particulate Matter Tons/Yr:	0.000300367
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000288353

B7 **IDEX HEALTH & SCIENCE L.L.C.** **CUPA Listings** **S112444761**
West **600 PARK CT** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.173 mi.
916 ft. **Site 2 of 3 in cluster B**

Relative:
Lower

Actual:
94 ft.

CUPA SONOMA:

Facility ID:	49-000-005885
Permit:	5885
Type:	Tiered Permits
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	True
Fee Schedule:	Conditionally Exempt
CERS ID:	10132774
Experation Date:	01/14/2018

Facility ID:	49-000-005885
Permit:	5885
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False

IDEX HEALTH & SCIENCE L.L.C. (Continued) **S112444761**

AST:	False
HW Treatment:	True
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10132774
Experation Date:	10/26/2015
Facility ID:	49-000-005885
Permit:	5885
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	True
Fee Schedule:	Range 3
CERS ID:	10132774
Experation Date:	10/26/2015

C8 **R.P. PUMP STATION** **LUST** **S105692140**
ESE **201 J ROGERS LN** **N/A**
1/8-1/4 **ROHNERT PARK, CA**
0.182 mi.
962 ft. **Site 1 of 3 in cluster C**

Relative: **Higher**

Actual: **98 ft.**

SONOMA CO. LUST:

Region:	SONOMA
Regional Board:	1TSO585
Closed or Referred:	Y
Confirm Date:	04/24/1997
LOP Number:	00001744
Staff:	Not reported
Decode of Staff:	Not reported
Global ID:	T0609700413

B9 **GRATON RESORT AND CASINO** **RCRA-SQG** **1016452980**
West **630 PARK CT** **FINDS** **CAR000243618**
1/8-1/4 **ROHNERT PARK, CA 94928** **ECHO**
0.186 mi.
982 ft. **Site 3 of 3 in cluster B**

Relative: **Lower**

Actual: **94 ft.**

RCRA-SQG:

Date form received by agency:	11/13/2015
Facility name:	GRATON RESORT AND CASINO
Facility address:	630 PARK CT ROHNERT PARK, CA 94928
EPA ID:	CAR000243618
Contact:	MICHAEL G CLAYTON
Contact address:	630 PARK CT ROHNERT PARK, CA 94928
Contact country:	US
Contact telephone:	707-588-7031
Telephone ext.:	7031
Contact email:	MICHAEL.CLAYTON@GRATONRESORTCASINO.COM
EPA Region:	09
Classification:	Small Small Quantity Generator

GRATON RESORT AND CASINO (Continued) **1016452980**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	GRATON ECONOMIC DEVELOPMENT AUTHORITY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Indian
Owner/Operator Type:	Operator
Owner/Op start date:	07/06/2012
Owner/Op end date:	Not reported

Owner/operator name:	FEDERATED INDIANS OF GRATON RANCHERIA
Owner/operator address:	6400 REDWOOD DR STE 300
	ROHNERT PARK, CA 94928
Owner/operator country:	US
Owner/operator telephone:	707-566-2288
Legal status:	Indian
Owner/Operator Type:	Owner
Owner/Op start date:	10/01/2010
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	121
. Waste name:	121

. Waste code:	122
. Waste name:	122

. Waste code:	123
. Waste name:	123

. Waste code:	171
. Waste name:	171

GRATON RESORT AND CASINO (Continued) **1016452980**

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 231
. Waste name: 231

. Waste code: 241
. Waste name: 241

. Waste code: 271
. Waste name: 271

. Waste code: 281
. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 321
. Waste name: 321

. Waste code: 322
. Waste name: 322

. Waste code: 352
. Waste name: 352

. Waste code: 451
. Waste name: 451

. Waste code: 461
. Waste name: 461

. Waste code: 491
. Waste name: 491

. Waste code: 513
. Waste name: 513

GRATON RESORT AND CASINO (Continued) **1016452980**

. Waste code: 551
. Waste name: 551

. Waste code: 561
. Waste name: 561

. Waste code: 614
. Waste name: 614

. Waste code: 724
. Waste name: 724

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: 801
. Waste name: 801

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U145
. Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

GRATON RESORT AND CASINO (Continued) **1016452980**

. Waste code: U146
. Waste name: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Historical Generators:
Date form received by agency: 01/16/2014
Site name: GRATON RESORT AND CASINO
Classification: Small Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 171
. Waste name: 171

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 231
. Waste name: 231

. Waste code: 241
. Waste name: 241

. Waste code: 271
. Waste name: 271

. Waste code: 281
. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 321

GRATON RESORT AND CASINO (Continued) **1016452980**

. Waste name: 321

. Waste code: 322
. Waste name: 322

. Waste code: 352
. Waste name: 352

. Waste code: 451
. Waste name: 451

. Waste code: 461
. Waste name: 461

. Waste code: 491
. Waste name: 491

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 561
. Waste name: 561

. Waste code: 614
. Waste name: 614

. Waste code: 724
. Waste name: 724

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: 801
. Waste name: 801

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007

GRATON RESORT AND CASINO (Continued) **1016452980**

. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U145
. Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

. Waste code: U146
. Waste name: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Violation Status: No violations found

FINDS:

Registry ID: 110057071449

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.

NON-TRANSIENT NON-COMMUNITY WATER SYSTEM

ECHO:
Envid: 1016452980
Registry ID: 110057071449
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110057071449

C10 **ROHNERT PARK TREATMEMT PL** **LUST S101304882**
ESE **5661 REDWOOD** **SLIC N/A**
1/8-1/4 **ROHNERT PARK, CA 94928** **HIST CORTESE**
0.187 mi.
989 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
98 ft.

LUST REG 1:
Region: 1
Facility ID: 1TSO326
Staff Initials: HAZ

SLIC:

ROHNERT PARK TREATMEMT PL (Continued) **S101304882**

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/02/1994
Global Id:	SL0609779496
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number:	Not reported
Latitude:	38.355213
Longitude:	-122.714502
Case Type:	Cleanup Program Site
Case Worker:	ZZZ
Local Agency:	Not reported
RB Case Number:	1NSO326
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO326

C11 **ROHNERT PARK PUMP STATION** **SWEEPS UST S101595356**
ESE **5661 REDWOOD DR** **CA FID UST N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.187 mi.
989 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
98 ft.

SWEEPS UST:

Status:	Active
Comp Number:	1744
Number:	4
Board Of Equalization:	44-027742
Referral Date:	08-12-92
Action Date:	01-26-93
Created Date:	03-31-89
Owner Tank Id:	1
SWRCB Tank Id:	49-000-001744-000001
Tank Status:	A
Capacity:	750
Active Date:	08-12-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	1

CA FID UST:

Facility ID:	49000907
Regulated By:	UTNKA
Regulated ID:	CAC000162
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7075859295
Mail To:	Not reported

ROHNERT PARK PUMP STATION (Continued) **S101595356**

Mailing Address:	6750 COMMERCE BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ROHNERT PARK 94928
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D12
WSW
1/8-1/4
0.195 mi.
1028 ft.

BEVAN AUTO REPAIR **CUPA Listings** **S113929437**
637 MARTIN AVE STE 2 **N/A**
ROHNERT PARK, CA 94928

Site 1 of 4 in cluster D

Relative:
Lower

Actual:
94 ft.

CUPA SONOMA:

Facility ID:	49-000-008240
Permit:	Not reported
Type:	Hazardous Waste
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10609894
Experation Date:	Not reported

13
SE
1/8-1/4
0.204 mi.
1076 ft.

SHUTTER CRAFT **RCRA-SQG** **1000686137**
5715 REDWOOD DR **FINDS** **CAD983633637**
ROHNERT PARK, CA 94928 **ECHO**

Relative:
Higher

Actual:
98 ft.

RCRA-SQG:

Date form received by agency:	04/01/1992
Facility name:	SHUTTER CRAFT
Facility address:	5715 REDWOOD DR ROHNERT PARK, CA 94928
EPA ID:	CAD983633637
Mailing address:	REDWOOD DR ROHNERT PARK, CA 94928
Contact:	BEN CHASTAIN
Contact address:	5715 REDWOOD DR ROHNERT PARK, CA 94928
Contact country:	US
Contact telephone:	(707) 585-6334
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

SHUTTER CRAFT (Continued) **1000686137**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
- Owner/operator name: BEN CHASTAIN
- Owner/operator address: 5715 REDWOOD DR ROHNERT PARK, CA 94928
- Owner/operator country: Not reported
- Owner/operator telephone: (707) 585-6334
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002874523

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
- Envid: 1000686137
- Registry ID: 110002874523
- DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002874523

D14 **AM PRINTING COMPANY** **CUPA Listings** **S113151285**
WSW **631 MARTIN AVE STE 4** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.213 mi.
1126 ft. **Site 2 of 4 in cluster D**

Relative:
Lower

Actual:
93 ft.

CUPA SONOMA:

Facility ID:	49-000-005748
Permit:	5748
Type:	Hazardous Waste
HMBP:	False
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG Recyclable - < 5 galllons/month (non-exempt)
CERS ID:	10107598
Experation Date:	03/24/2019

HAZNET:

envid:	S113151285
Year:	2010
GEPAID:	CAL000328805
Contact:	MINDY MC DONALD/MGR
Telephone:	7075869636
Mailing Name:	Not reported
Mailing Address:	631 MARTIN AVE STE 1
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06672
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid:	S113151285
Year:	2010
GEPAID:	CAL000328805
Contact:	MINDY MC DONALD/MGR
Telephone:	7075869636
Mailing Name:	Not reported
Mailing Address:	631 MARTIN AVE STE 1
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.015
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid: S113151285

AM PRINTING COMPANY (Continued) **S113151285**

Year:	2009
GEPAID:	CAL000328805
Contact:	MINDY MC DONALD/MGR
Telephone:	7075869636
Mailing Name:	Not reported
Mailing Address:	631 MARTIN AVE STE 1
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03336
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid:	S113151285
Year:	2008
GEPAID:	CAL000328805
Contact:	MINDY MC DONALD/MGR
Telephone:	7075869636
Mailing Name:	Not reported
Mailing Address:	631 MARTIN AVE STE 1
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02919
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

E15 **BIOMARKER TECHNOLOGIES INC** **CUPA Listings** **S113929517**
SW **638 MARTIN AVE** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.221 mi.
1165 ft. **Site 1 of 4 in cluster E**

Relative:
Lower

Actual:
94 ft.

CUPA SONOMA:

Facility ID:	49-000-008207
Permit:	Not reported
Type:	Hazardous Waste
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10129306
Experation Date:	03/10/2017

Facility ID:	49-000-008207

BIOMARKER TECHNOLOGIES INC (Continued) **S113929517**

Permit:	Not reported
Type:	HMBP
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	Range 3
CERS ID:	10129306
Experation Date:	03/10/2017

HAZNET:

envid:	S113929517
Year:	2015
GEPAID:	CAL000386920
Contact:	JAIME MOLDOWAN
Telephone:	7078295551
Mailing Name:	Not reported
Mailing Address:	638 MARTIN AVE
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Sonoma
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

envid:	S113929517
Year:	2015
GEPAID:	CAL000386920
Contact:	JAIME MOLDOWAN
Telephone:	7078295551
Mailing Name:	Not reported
Mailing Address:	638 MARTIN AVE
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Sonoma
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
Cat Decode:	Unspecified solvent mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

envid:	S113929517
Year:	2014
GEPAID:	CAL000386920
Contact:	JAIME MOLDOWAN

BIOMARKER TECHNOLOGIES INC (Continued) **S113929517**

Telephone:	7078295551
Mailing Name:	Not reported
Mailing Address:	638 MARTIN AVE
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Sonoma
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.206
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid:	S113929517
Year:	2014
GEPAID:	CAL000386920
Contact:	JAIME MOLDOWAN
Telephone:	7078295551
Mailing Name:	Not reported
Mailing Address:	638 MARTIN AVE
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Sonoma
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1775
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid:	S113929517
Year:	2013
GEPAID:	CAL000386920
Contact:	JAIME MOLDOWAN
Telephone:	7078295551
Mailing Name:	Not reported
Mailing Address:	638 MARTIN AVE
Mailing City,St,Zip:	ROHNERT PARK, CA 94928
Gen County:	Sonoma
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.036
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

D16
WSW
1/8-1/4
0.221 mi.
1167 ft.

MASTERWORK ELECTRONICS, INC.
630 MARTIN AVE STE 1
ROHNERT PARK, CA 94928

CUPA Listings **S104579087**
N/A

Site 3 of 4 in cluster D

Relative:
Lower

Actual:
93 ft.

CUPA SONOMA:

Facility ID:	49-000-006749
Permit:	6749
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 2
CERS ID:	10591402
Experation Date:	01/12/2018

Facility ID:	49-000-006749
Permit:	6749
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10591402
Experation Date:	01/12/2018

Facility ID:	49-000-004785
Permit:	4785
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to < 5 tons/year w/o source reduction/recycle
CERS ID:	Not reported
Experation Date:	04/25/2011

Facility ID:	49-000-004785
Permit:	4785
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 2
CERS ID:	Not reported
Experation Date:	04/25/2011

F17
East
1/8-1/4
0.227 mi.
1201 ft.

Relative:
Higher

Actual:
97 ft.

PRESS DEMOCRAT PROD. FAC.
5505 REDWOOD DR
ROHNERT PARK, CA 94928

Site 1 of 3 in cluster F

Database(s): RCRA-SQG, LUST, SWEEPS UST, FINDS, CUPA Listings, EMI, Notify 65

EDR ID Number: 1000385904
EPA ID Number: CAD981652761

RCRA-SQG:

Date form received by agency:	09/09/1986
Facility name:	PRESS DEMOCRAT PUB CO
Facility address:	5505 REDWOOD DR ROHNERT PARK, CA 94928
EPA ID:	CAD981652761
Mailing address:	PO BOX 569 SANTA ROSA, CA 95402
Contact:	ENVIRONMENTAL MANAGER
Contact address:	5505 REDWOOD DR ROHNERT PARK, CA 94928
Contact country:	US
Contact telephone:	(707) 546-2020
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NEW YORK TIMES CO
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Region:	STATE
Global Id:	T0609792237
Latitude:	38.356673855
Longitude:	-122.716097586
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/30/2006
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO870
LOC Case Number:	00002419
File Location:	Local Agency Warehouse
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline, Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609792237
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609792237
Status:	Open - Case Begin Date
Status Date:	05/04/2004
Global Id:	T0609792237
Status:	Open - Site Assessment
Status Date:	07/15/2004
Global Id:	T0609792237
Status:	Open - Site Assessment
Status Date:	04/11/2005
Global Id:	T0609792237
Status:	Open - Verification Monitoring
Status Date:	07/21/2005

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Global Id: T0609792237
Status: Completed - Case Closed
Status Date: 11/30/2006

Regulatory Activities:

Global Id: T0609792237
Action Type: Other
Date: 05/04/2004
Action: Leak Discovery

Global Id: T0609792237
Action Type: RESPONSE
Date: 02/23/2005
Action: Preliminary Site Assessment Report

Global Id: T0609792237
Action Type: Other
Date: 07/15/2004
Action: Leak Reported

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 12/23/2004
Action: Staff Letter

Global Id: T0609792237
Action Type: REMEDIATION
Date: 11/30/2006
Action: Not reported

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 06/26/2006
Action: Staff Letter

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 05/07/2004
Action: Notification - Proposition 65

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 11/30/2006
Action: Closure/No Further Action Letter

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 05/16/2005
Action: Staff Letter

Global Id: T0609792237
Action Type: ENFORCEMENT
Date: 04/27/2006
Action: LOP Case Closure Summary to RB

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

SONOMA CO. LUST:
- Region: SONOMA
- Regional Board: 1TSO870
- Closed or Referred: Y
- Confirm Date: 11/30/2006
- LOP Number: 00002419
- Staff: Not reported
- Decode of Staff: Not reported
- Global ID: T0609792237

SWEEPS UST:
- Status: Active
- Comp Number: 6620
- Number: 1
- Board Of Equalization: 44-028018
- Referral Date: 08-14-92
- Action Date: 07-07-93
- Created Date: 07-07-93
- Owner Tank Id: 1
- SWRCB Tank Id: 49-000-006620-000001
- Tank Status: A
- Capacity: 10000
- Active Date: 09-06-86
- Tank Use: M.V. FUEL
- STG: P
- Content: REG UNLEADED
- Number Of Tanks: 2

- Status: Active
- Comp Number: 6620
- Number: 1
- Board Of Equalization: 44-028018
- Referral Date: 08-14-92
- Action Date: 07-07-93
- Created Date: 07-07-93
- Owner Tank Id: 2
- SWRCB Tank Id: 49-000-006620-000002
- Tank Status: A
- Capacity: 10000
- Active Date: 08-14-92
- Tank Use: M.V. FUEL
- STG: P
- Content: DIESEL
- Number Of Tanks: Not reported

FINDS:

Registry ID: 110055740113

Environmental Interest/Information System
STATE MASTER

CUPA SONOMA:
- Facility ID: 49-000-000295

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Permit:	295
Type:	Hazardous Waste
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	LQG 5 to < 25 tons/year
CERS ID:	10101289
Experation Date:	12/16/2013

Facility ID:	49-000-000295
Permit:	295
Type:	HMBP
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 4
CERS ID:	10101289
Experation Date:	12/16/2013

EMI:

Year:	1987
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1995
County Code: 49
Air Basin: SF
Facility ID: 2277
Air District Name: BA
SIC Code: 2711
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1996
County Code: 49
Air Basin: SF
Facility ID: 2277
Air District Name: BA
SIC Code: 2711
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1997
County Code: 49
Air Basin: SF
Facility ID: 2277
Air District Name: BA
SIC Code: 2711
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 8
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1998
County Code: 49
Air Basin: SF

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.861
Reactive Organic Gases Tons/Yr:	6.6732
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

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.665
Reactive Organic Gases Tons/Yr:	6.4772
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.665
Reactive Organic Gases Tons/Yr:	6.4772
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.308
Reactive Organic Gases Tons/Yr:	.2726
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	2277

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.262
Reactive Organic Gases Tons/Yr:	.2266
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.26200000000000001
Reactive Organic Gases Tons/Yr:	0.2266
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.251
Reactive Organic Gases Tons/Yr:	0.2006
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.145

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

Reactive Organic Gases Tons/Yr:	0.145
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.145
Reactive Organic Gases Tons/Yr:	0.145
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.128
Reactive Organic Gases Tons/Yr:	0.128
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	2277
Air District Name:	BA
SIC Code:	2711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.121628206
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:	0.000665486
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00046584

PRESS DEMOCRAT PROD. FAC. (Continued) **1000385904**

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

F18 **PRESS DEMOCRAT PROD. FAC.** **UST** **U003111554**
East **5505 REDWOOD DR** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.227 mi.
1201 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
97 ft.

UST:
Facility ID: 295
Permitting Agency: SONOMA COUNTY
Latitude: 38.35793
Longitude: -122.713746

E19 **DISALVO TRUCKING** **SWEEPS UST** **S101595371**
SW **650 CARLSON** **CA FID UST** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928** **NPDES**
0.230 mi.
1214 ft. **Site 2 of 4 in cluster E**

Relative:
Lower

Actual:
94 ft.

SWEEPS UST:
Status: Active
Comp Number: 1573
Number: 9
Board Of Equalization: 44-027856
Referral Date: Not reported
Action Date: 10-04-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001573-000001
Tank Status: A
Capacity: 12000
Active Date: 10-04-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 4

Status: Active
Comp Number: 1573
Number: 9
Board Of Equalization: 44-027856
Referral Date: Not reported
Action Date: 10-04-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001573-000002
Tank Status: A
Capacity: 12000

DISALVO TRUCKING (Continued) **S101595371**

Active Date: 10-04-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 1573
Number: 9
Board Of Equalization: 44-027856
Referral Date: Not reported
Action Date: 10-04-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001573-000003
Tank Status: A
Capacity: 12000
Active Date: 10-04-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 1573
Number: 9
Board Of Equalization: 44-027856
Referral Date: Not reported
Action Date: 10-04-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001573-000004
Tank Status: A
Capacity: 2000
Active Date: 10-04-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 49001049
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7075844900
Mail To: Not reported
Mailing Address: 660 MARIPOSA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: ROHNERT PARK 94928
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

DISALVO TRUCKING (Continued) **S101595371**

Status: Active

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	1
Regulatory Measure Id:	459280
Order No:	Not reported
Regulatory Measure Type:	No Exposure Certification
Place Id:	Not reported
WDID:	1 49NEC000231
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	7/25/2015
PROCESSED DATE:	8/3/2015
STATUS CODE NAME:	Active
STATUS DATE:	8/3/2015
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Mike Gamel
FACILITY CONTACT TITLE:	Terminal Manager
FACILITY CONTACT PHONE:	707-585-7961
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	tmsantarosa@estes-express.com
OPERATOR NAME:	Estes Express West
OPERATOR ADDRESS:	3901 W Broad Street
OPERATOR CITY:	Richmond
OPERATOR STATE:	Virginia
OPERATOR ZIP:	23230
OPERATOR CONTACT NAME:	Curtis Carr
OPERATOR CONTACT TITLE:	VP, Safety and Risk Management
OPERATOR CONTACT PHONE:	804-353-1900
OPERATOR CONTACT PHONE EXT:	2241
OPERATOR CONTACT EMAIL:	curtis.carr@estes-express.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Virginia
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported

DISALVO TRUCKING (Continued) **S101595371**

CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Rick Nelson
CERTIFIER TITLE:	Safety Manager
CERTIFICATION DATE:	10-JAN-17
PRIMARY SIC:	4213-Trucking, Except Local
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Active
Agency Id:	0
Region:	1
Regulatory Measure Id:	459280
Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	1 49NEC000231
Program Type:	No Exposure Certification
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/03/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Estes Express West
Discharge Address:	3901 W Broad Street
Discharge City:	Richmond
Discharge State:	Virginia
Discharge Zip:	23230
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported

DISALVO TRUCKING (Continued) **S101595371**

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

E20 **DI SALVO TRUCKING CO** **HIST UST** **U001600131**
SW **650 CARLSON COURT LAGUNA VERD** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.230 mi.
1214 ft. **Site 3 of 4 in cluster E**

Relative:
Lower

Actual:
94 ft.

HIST UST:

File Number:	000215A7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000215A7.pdf
Region:	STATE
Facility ID:	00000020459
Facility Type:	Other
Other Type:	Not reported
Contact Name:	BILL DELASANTOS, TERMINAL MGR.
Telephone:	7075844900
Owner Name:	R.W.L. INVESTMENTS, INC.
Owner Address:	660 MARIPOSA STREET

DI SALVO TRUCKING CO (Continued) **U001600131**

Owner City,St,Zip:	SAN FRANCISCO, CA 94107
Total Tanks:	0004
Tank Num:	001
Container Num:	01
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	02
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	03
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	04
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

E21 **DI SALVO TRUCKING** **LUST** **S101304874**
SW **650 CARLSON CT** **HIST CORTESE** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928** **NPDES**
0.230 mi.
1214 ft. **Site 4 of 4 in cluster E**

Relative:
Lower

Actual:
94 ft.

LUST:

Region:	STATE
Global Id:	T0609700410
Latitude:	38.353528
Longitude:	-122.723633
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/20/1995
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP

DI SALVO TRUCKING (Continued) **S101304874**

RB Case Number: 1TSO582
LOC Case Number: 00001573
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609700410
Contact Type: Local Agency Caseworker
Contact Name: LOP CLOSED IN RB01
Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0609700410
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700410
Status: Open - Remediation
Status Date: 01/03/1965

Global Id: T0609700410
Status: Open - Case Begin Date
Status Date: 01/27/1994

Global Id: T0609700410
Status: Open - Site Assessment
Status Date: 04/27/1994

Global Id: T0609700410
Status: Completed - Case Closed
Status Date: 12/20/1995

Regulatory Activities:
Global Id: T0609700410
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700410
Action Type: REMEDIATION
Date: 03/10/1994
Action: Excavation

Global Id: T0609700410

DI SALVO TRUCKING (Continued) **S101304874**

Action Type: Other
Date: 01/27/1994
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO582
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO582
Closed or Referred: Y
Confirm Date: 12/20/1995
LOP Number: 00001573
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700410

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO582

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 1
Regulatory Measure Id: 272158
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 1 49I004826
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 5/9/2008
PROCESSED DATE: 3/10/1993
STATUS CODE NAME: Terminated
STATUS DATE: 3/10/1993
PLACE SIZE: 2
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: John Tounger
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported

DI SALVO TRUCKING (Continued) **S101304874**

FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Di Salvo Trucking
OPERATOR ADDRESS:	PO Box 193765
OPERATOR CITY:	San Francisco
OPERATOR STATE:	California
OPERATOR ZIP:	94119
OPERATOR CONTACT NAME:	John Tounger
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	415-864-3337
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Carlson Street
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4213-Trucking, Except Local
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

F22 **COLONIAL PARK, INC.** **LUST** **S101304963**
East **5645 REDWOOD OLD** **HIST CORTESE** **N/A**
1/8-1/4 **SANTA ROSA, CA 95404**
0.231 mi.
1222 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
97 ft.

LUST REG 1:

Region:	1
Facility ID:	1TSO455
Staff Initials:	Closed

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO455

G23 **LES SCHWAB TIRE CENTER #624** **CUPA Listings** **S106092071**
ENE **5353 REDWOOD DR** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.232 mi.
1226 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
97 ft.

CUPA SONOMA:

Facility ID:	49-000-008056
Permit:	8056
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10398565
Experation Date:	Not reported

Facility ID:	49-000-008056
Permit:	8056
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 1
CERS ID:	10398565
Experation Date:	Not reported

D24 **STANLEY STEEMER OF MARIN** **CUPA Listings** **S108541296**
WSW **625 MARTIN AVE STE 1** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.233 mi.
1230 ft. **Site 4 of 4 in cluster D**

Relative:
Lower

Actual:
93 ft.

CUPA SONOMA:

Facility ID:	49-000-007630
Permit:	7630
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10638082
Experation Date:	01/22/2016

Facility ID:	49-000-007630
Permit:	7630
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 2
CERS ID:	10638082
Experation Date:	01/22/2016

H25 **CHARITY MERCHANDISE WAREHOUSE** **HIST UST** **U001600119**
ESE **5671 REDWOOD DRIVE** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.234 mi.
1237 ft. **Site 1 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

HIST UST:

File Number:	00021808
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021808.pdf
Region:	STATE
Facility ID:	00000049763
Facility Type:	Other
Other Type:	NONPROFIT CHARITY
Contact Name:	LAWRENCE A. POIRIER
Telephone:	7077956143
Owner Name:	THE SOCIETY OF ST. VINCENT DE
Owner Address:	5671 REDWOOD DRIVE
Owner City,St,Zip:	ROHNERT PARK, CA 94928
Total Tanks:	0000

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported

CHARITY MERCHANDISE WAREHOUSE (Continued) **U001600119**

Leak Detection: None

Click here for Geo Tracker PDF:

H26 **ST. VINCENT DE PAUL** **LUST** **S102438026**
ESE **5673 REDWOOD DR** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.237 mi.
1252 ft. **Site 2 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

LUST:

Region:	STATE
Global Id:	T0609700057
Latitude:	38.352572978
Longitude:	-122.7157598
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/28/1993
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO084
LOC Case Number:	00001750
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700057
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700057
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700057
Status:	Open - Case Begin Date
Status Date:	11/17/1986

Global Id:	T0609700057
Status:	Open - Site Assessment
Status Date:	06/29/1990

ST. VINCENT DE PAUL (Continued) **S102438026**

Global Id: T0609700057
Status: Completed - Case Closed
Status Date: 10/28/1993

Regulatory Activities:
Global Id: T0609700057
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700057
Action Type: REMEDIATION
Date: 07/03/1992
Action: Excavation

Global Id: T0609700057
Action Type: Other
Date: 11/17/1986
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO084
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO084
Closed or Referred: Closed
Confirm Date: 10/28/1993
LOP Number: 00001750
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700057

H27 **SHERWIN-WILLIAMS #8063** **CUPA Listings** **S118236159**
ESE **5673 REDWOOD DR** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.239 mi.
1262 ft. **Site 3 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

CUPA SONOMA:
Facility ID: 49-000-008274
Permit: Not reported
Type: Hazardous Waste
HMBP: Not reported
UST: Not reported
HWG: Not reported
calarp: Not reported
AST: Not reported
HW Treatment: Not reported
Fee Schedule: SQG < 325 gallons/year
CERS ID: 10586881
Experation Date: 07/01/2015

SHERWIN-WILLIAMS #8063 (Continued) **S118236159**

HAZNET:

envid:	S118236159
Year:	2015
GEPAID:	CAL000396631
Contact:	SHAY ROSEMAN
Telephone:	2165661710
Mailing Name:	Not reported
Mailing Address:	101 W PROSPECT AVE
Mailing City,St,Zip:	CLEVELAND, OH 441151027
Gen County:	Sonoma
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.037
Cat Decode:	Unspecified solvent mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

envid:	S118236159
Year:	2015
GEPAID:	CAL000396631
Contact:	SHAY ROSEMAN
Telephone:	2165661710
Mailing Name:	Not reported
Mailing Address:	101 W PROSPECT AVE
Mailing City,St,Zip:	CLEVELAND, OH 441151027
Gen County:	Sonoma
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Latex waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.247
Cat Decode:	Latex waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

envid:	S118236159
Year:	2015
GEPAID:	CAL000396631
Contact:	SHAY ROSEMAN
Telephone:	2165661710
Mailing Name:	Not reported
Mailing Address:	101 W PROSPECT AVE
Mailing City,St,Zip:	CLEVELAND, OH 441151027
Gen County:	Sonoma
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Latex waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.186
Cat Decode:	Latex waste

SHERWIN-WILLIAMS #8063 (Continued) **S118236159**

Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma
envid:	S118236159
Year:	2014
GEPAID:	CAL000396631
Contact:	SHAY ROSEMAN
Telephone:	2165661710
Mailing Name:	Not reported
Mailing Address:	101 W PROSPECT AVE
Mailing City,St,Zip:	CLEVELAND, OH 441151027
Gen County:	Sonoma
TSD EPA ID:	NVD980895338
TSD County:	99
Waste Category:	Latex waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

H28 **BWH PRECISSION MOTORWERKS, LLC** **CUPA Listings** **S113044475**
ESE **5685 REDWOOD DR STE C** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.242 mi.
1280 ft. **Site 4 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

CUPA SONOMA:

Facility ID:	49-000-007691
Permit:	Not reported
Type:	Hazardous Waste
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10106752
Experation Date:	04/19/2016

HAZNET:

envid:	S113044475
Year:	1995
GEPAID:	CAL000058461
Contact:	JOHN BOLDUL
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	5685 REDWOOD DR
Mailing City,St,Zip:	ROHNERT PA, CA 949280000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Not reported

BWH PRECISSION MOTORWERKS, LLC (Continued) **S113044475**

Tons: .4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

H29 **NORTH BAY TRANSMISSION AND AUTO REPAIR** **CUPA Listings** **S103665271**
ESE **5685 REDWOOD DR STE B** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.242 mi.
1280 ft. **Site 5 of 9 in cluster H**

Relative: Higher

Actual: 98 ft.

CUPA SONOMA:

Facility ID:	49-000-007439
Permit:	7439
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10111783
Experation Date:	10/22/2018

Facility ID:	49-000-007439
Permit:	7439
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Not reported
CERS ID:	10111783
Experation Date:	10/22/2018

H30 **AUTOBODY COLLISION REPAIR** **RCRA-SQG** **1000327666**
ESE **5685 REDWOOD DR SUITE C** **FINDS** **CAD982336653**
1/8-1/4 **ROHNERT PARK, CA 94928** **ECHO**
0.242 mi.
1280 ft. **Site 6 of 9 in cluster H**

Relative: Higher

Actual: 98 ft.

RCRA-SQG:

Date form received by agency:	12/01/1987
Facility name:	AUTOBODY COLLISION REPAIR
Facility address:	5685 REDWOOD DR SUITE C ROHNERT PARK, CA 94928
EPA ID:	CAD982336653
Mailing address:	REDWOOD DR SUITE C ROHNERT PARK, CA 94928
Contact:	ENVIRONMENTAL MANAGER
Contact address:	5685 REDWOOD DR SUITE C ROHNERT PARK, CA 94928
Contact country:	US

AUTOBODY COLLISION REPAIR (Continued) **1000327666**

Contact telephone: (707) 585-7555
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HARRY PERRY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002796065

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

AUTOBODY COLLISION REPAIR (Continued) **1000327666**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000327666
Registry ID: 110002796065
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002796065

H31 **ACUR IT HONDA TECH** **RCRA-SQG** **1000904912**
ESE **5677 REDWOOD DR UNIT B** **FINDS** **CA0000186643**
1/8-1/4 **ROHNERT PARK, CA 94928** **CUPA Listings**
0.246 mi. **HAZNET**
1298 ft. **Site 7 of 9 in cluster H** **ECHO**

Relative: Higher

Actual: 98 ft.

RCRA-SQG:
Date form received by agency: 03/10/1994
Facility name: ACUR IT HONDA TECH
Facility address: 5677 REDWOOD DR UNIT B
ROHNERT PARK, CA 94928
EPA ID: CA0000186643
Mailing address: REDWOOD DR UNIT B
ROHNERT PARK, CA 94928
Contact: JON VINING
Contact address: 5677 REDWOOD DR UNIT B
ROHNERT PARK, CA 94928
Contact country: US
Contact telephone: (707) 584-1424
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JON VINING
Owner/operator address: 204 RAGLE AVE S
SEBASTOPOL, CA 95472
Owner/operator country: Not reported
Owner/operator telephone: (707) 584-1424
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

ACUR IT HONDA TECH (Continued) **1000904912**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002615055

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

CUPA SONOMA:
Facility ID: 49-000-003165
Permit: 3165
Type: Hazardous Waste
HMBP: True
UST: False
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Waste Oil Only > 5 tons/year
CERS ID: 10103758
Experation Date: 05/04/2014

Facility ID: 49-000-003165
Permit: 3165
Type: HMBP
HMBP: True
UST: False
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Not reported
CERS ID: 10103758
Experation Date: 05/04/2014

HAZNET:
envid: 1000904912

ACUR IT HONDA TECH (Continued) **1000904912**

Year: 2004
GEPAID: CA0000186643
Contact: DELETED PER LTR JON & CATHI
Telephone: 7075841424
Mailing Name: Not reported
Mailing Address: 5677 REDWOOD DR UNIT B
Mailing City,St,Zip: ROHNERT PARK, CA 949280000
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: 0.81
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

envid: 1000904912
Year: 1996
GEPAID: CA0000186643
Contact: JON VINING
Telephone: 7075841424
Mailing Name: Not reported
Mailing Address: 5677 REDWOOD DR UNIT B
Mailing City,St,Zip: ROHNERT PARK, CA 949280000
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .2293
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

envid: 1000904912
Year: 1996
GEPAID: CA0000186643
Contact: JON VINING
Telephone: 7075841424
Mailing Name: Not reported
Mailing Address: 5677 REDWOOD DR UNIT B
Mailing City,St,Zip: ROHNERT PARK, CA 949280000
Gen County: Not reported
TSD EPA ID: CAD982446866
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .2293
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

ECHO:
Envid: 1000904912
Registry ID: 110002615055
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002615055

G32 **SCANDIA FAMILY CENTER** **CUPA Listings** **S112444729**
ENE **5301 REDWOOD DRIVE** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.246 mi.
1298 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
96 ft.

CUPA SONOMA:

Facility ID:	49-000-005551
Permit:	Not reported
Type:	HMBP
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	Range 3
CERS ID:	10112308
Experation Date:	06/10/2018

Facility ID:	49-000-005551
Permit:	Not reported
Type:	Hazardous Waste
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	SQG Recyclable - < 5 galllons/month (non-exempt)
CERS ID:	10112308
Experation Date:	06/10/2018

HAZNET:

envid:	S112444729
Year:	2015
GEPAID:	CAL000063291
Contact:	KELSEY MENDOZA
Telephone:	7075841398
Mailing Name:	Not reported
Mailing Address:	5301 REDWOOD DR
Mailing City,St,Zip:	ROHNERT PARK, CA 949280000
Gen County:	Sonoma
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Cat Decode:	Unspecified solvent mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

H33 **A.C.E. AUTOMOTIVE** **CUPA Listings** **S113069722**
ESE **5687 REDWOOD DR STE C** **HAZNET** **N/A**
1/8-1/4 **ROHNERT PARK, CA 94928**
0.247 mi.
1304 ft. **Site 8 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

CUPA SONOMA:

Facility ID:	49-000-004359
Permit:	4359
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10595170
Experation Date:	01/26/2015

Facility ID:	49-000-004359
Permit:	4359
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 2
CERS ID:	10595170
Experation Date:	01/26/2015

HAZNET:

envid:	S113069722
Year:	2001
GEPAID:	CAL000123691
Contact:	JOE LINDLAND
Telephone:	7075844223
Mailing Name:	Not reported
Mailing Address:	5687 REDWOOD DR STE C
Mailing City,St,Zip:	ROHNERT PARK, CA 949287921
Gen County:	Not reported
TSD EPA ID:	CAL000161741
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	0.91
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Sonoma

envid:	S113069722
Year:	2001
GEPAID:	CAL000123691
Contact:	JOE LINDLAND
Telephone:	7075844223
Mailing Name:	Not reported
Mailing Address:	5687 REDWOOD DR STE C

A.C.E. AUTOMOTIVE (Continued) **S113069722**

Mailing City,St,Zip: ROHNERT PARK, CA 949287921
Gen County: Not reported
TSD EPA ID: CAL000161741
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.91
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

envid: S113069722
Year: 2000
GEPAID: CAL000123691
Contact: JOE LINDLAND
Telephone: 7075844223
Mailing Name: Not reported
Mailing Address: 5687 REDWOOD DR STE C
Mailing City,St,Zip: ROHNERT PARK, CA 949287921
Gen County: Not reported
TSD EPA ID: CAD982446874
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.68
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

envid: S113069722
Year: 2000
GEPAID: CAL000123691
Contact: JOE LINDLAND
Telephone: 7075844223
Mailing Name: Not reported
Mailing Address: 5687 REDWOOD DR STE C
Mailing City,St,Zip: ROHNERT PARK, CA 949287921
Gen County: Not reported
TSD EPA ID: CAD982446874
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.68
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

envid: S113069722
Year: 1999
GEPAID: CAL000123691
Contact: JOE LINDLAND
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 5687 REDWOOD DR # C
Mailing City,St,Zip: ROHNERT PARK, CA 949287921
Gen County: Not reported
TSD EPA ID: CAD982446874

A.C.E. AUTOMOTIVE (Continued) **S113069722**

TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .6463
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Sonoma

Click this hyperlink while viewing on your computer to access
27 additional CA_HAZNET: record(s) in the EDR Site Report.

34
SSE
1/4-1/2
0.259 mi.
1368 ft.

Relative:
Higher

Actual:
96 ft.

COSTCO WHOLESALE NO 659
5901 REDWOOD DR
ROHNERT PARK, CA 94928

RCRA-LQG **1005441336**
LUST **CAR000118034**
FINDS
CUPA Listings
HAZNET
NPDES
ECHO

RCRA-LQG:
Date form received by agency: 03/03/2016
Facility name: COSTCO WHOLESALE # 659
Facility address: 5901 REDWOOD DRIVE
ROHNERT PARK, CA 94928
EPA ID: CAR000118034
Mailing address: GREY HAWK CT
STE 200
CARLSBAD, CA 92010
Contact: ERIC D ENSMINGER
Contact address: GREY HAWK CT STE 200
CARLSBAD, CA 92010
Contact country: US
Contact telephone: (760) 602-8616
Contact email: EENSMINGER@3ECOMPANY.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: COSTCO WHOLESALE CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

Owner/Op start date: 09/18/2002
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/18/2002
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORPORATION
Owner/operator address: LAKE DR
ISSAQUAH, WA 98027
Owner/operator country: US
Owner/operator telephone: (425) 313-8100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/18/2002
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: 999 LAKE DR
ISSAQUAH, WA 98027
Owner/operator country: US
Owner/operator telephone: (425) 313-8100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/18/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 181
. Waste name: 181

. Waste code: 214

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

. Waste name: 214

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Historical Generators:
Date form received by agency: 07/11/2014
Site name: COSTCO WHOLESALE NO 659
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 232
. Waste name: 232

. Waste code: 271
. Waste name: 271

. Waste code: 272
. Waste name: 272

. Waste code: 281
. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 561
. Waste name: 561

. Waste code: 611
. Waste name: 611

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Date form received by agency: 03/01/2014
Site name: COSTCO WHOLESALE #694
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

SALTS

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U037
. Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Date form received by agency: 05/29/2002
Site name: COSTCO WHOLESALE NO 659
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T10000009043
Latitude: 38.35187
Longitude: -122.71701
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 06/16/2016
Lead Agency: SONOMA COUNTY LOP
Case Worker: DB
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO945
LOC Case Number: 00027858
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Site entered into the LOP on 6/16/16. Tanks were removed on May 11, 2016. A grab sample from the pit water was taken before the tanks were removed and reported TPHg and BTEX. A backhoe pit was dug and 4100 gallons of groundwater was pumped out and a grab sample was taken. The groundwater and the water pumped from the pit both reported TPHG and BTEX.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T10000009043
Contact Type: Local Agency Caseworker
Contact Name: DARCY BERING

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: darcy.bering@sonoma-county.org
Phone Number: Not reported

Global Id: T10000009043
Contact Type: Regional Board Caseworker
Contact Name: Sonoma County LOP Lead
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: keith.baldanza@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T10000009043
Status: Open - Case Begin Date
Status Date: 05/11/2016

Global Id: T10000009043
Status: Open - Site Assessment
Status Date: 06/16/2016

Regulatory Activities:
Global Id: T10000009043
Action Type: Other
Date: 05/11/2016
Action: Leak Discovery

Global Id: T10000009043
Action Type: RESPONSE
Date: 03/01/2017
Action: Preliminary Site Assessment Report

Global Id: T10000009043
Action Type: Other
Date: 06/08/2016
Action: Leak Reported

Global Id: T10000009043
Action Type: RESPONSE
Date: 08/16/2016
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000009043
Action Type: RESPONSE
Date: 09/27/2016
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000009043
Action Type: ENFORCEMENT
Date: 06/16/2016
Action: Notification - Public Participation Document

Global Id: T10000009043

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

Action Type: ENFORCEMENT
Date: 06/16/2016
Action: Staff Letter

Global Id: T10000009043
Action Type: ENFORCEMENT
Date: 06/16/2016
Action: Notice of Responsibility

Global Id: T10000009043
Action Type: ENFORCEMENT
Date: 10/20/2016
Action: Staff Letter

Global Id: T10000009043
Action Type: Other
Date: 05/11/2016
Action: Leak Began

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO945
Closed or Referred: Not reported
Confirm Date: Not reported
LOP Number: 00027858
Staff: DB
Decode of Staff: Darcy Bering
Global ID: T10000009043

FINDS:

Registry ID: 110012544853

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

STATE MASTER

CUPA SONOMA:
Facility ID: 49-000-006567
Permit: 6567
Type: UST

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Permit to Operate - 4 tanks
CERS ID:	10109449
Experation Date:	05/13/2017

Facility ID:	49-000-006567
Permit:	6567
Type:	HMBP
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 3
CERS ID:	10109449
Experation Date:	05/13/2017

Facility ID:	49-000-006567
Permit:	6567
Type:	Hazardous Waste
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	LQG 5 to < 25 tons/year
CERS ID:	10109449
Experation Date:	05/13/2017

HAZNET:

envid:	1005441336
Year:	2015
GEPAID:	CAR000118034
Contact:	LISA SIMPSON
Telephone:	4253136275
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK CT STE 200
Mailing City,St,Zip:	CARLSBAD, CA 92010
Gen County:	Sonoma
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0625
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Sonoma

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

envid: 1005441336
Year: 2015
GEPAID: CAR000118034
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT STE 200
Mailing City,St,Zip: CARLSBAD, CA 92010
Gen County: Sonoma
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.35
Cat Decode: Other organic solids
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Sonoma

envid: 1005441336
Year: 2015
GEPAID: CAR000118034
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT STE 200
Mailing City,St,Zip: CARLSBAD, CA 92010
Gen County: Sonoma
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0635
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Sonoma

envid: 1005441336
Year: 2015
GEPAID: CAR000118034
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT STE 200
Mailing City,St,Zip: CARLSBAD, CA 92010
Gen County: Sonoma
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001
Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

(H010-H129) Or (H131-H135)
Facility County: Sonoma

envid: 1005441336
Year: 2015
GEPAID: CAR000118034
Contact: LISA SIMPSON
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT STE 200
Mailing City,St,Zip: CARLSBAD, CA 92010
Gen County: Sonoma
TSD EPA ID: NVD980895338
TSD County: 99
Waste Category: Pharmaceutical waste
Disposal Method: Neutralization Only
Tons: 0.0005
Cat Decode: Pharmaceutical waste
Method Decode: Neutralization Only
Facility County: Sonoma

Click this hyperlink while viewing on your computer to access
68 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	1
Regulatory Measure Id:	465017
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	1 49C374538
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/20/2015
PROCESSED DATE:	11/5/2015
STATUS CODE NAME:	Active
STATUS DATE:	8/24/2016
PLACE SIZE:	14.44
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Kim Katz
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	425-427-7540
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	kkatz@costco.com
OPERATOR NAME:	Costco Wholesale Corporation
OPERATOR ADDRESS:	999 Lake Drive

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

OPERATOR CITY:	Issaquah
OPERATOR STATE:	California
OPERATOR ZIP:	98027
OPERATOR CONTACT NAME:	Kim Katz
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	425-427-7540
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	kkatz@costco.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Costco Wholesale Corporation
DEVELOPER ADDRESS:	999 Lake Drive
DEVELOPER CITY:	Issaquah
DEVELOPER STATE:	California
DEVELOPER ZIP:	98027
DEVELOPER CONTACT NAME:	Kim Katz
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Russian River
CERTIFIER NAME:	Kim Katz
CERTIFIER TITLE:	Director
CERTIFICATION DATE:	20-OCT-15
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	1
Regulatory Measure Id:	465017
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	1 49C374538
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/05/2015
Expiration Date Of Regulatory Measure:	Not reported

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Costco Wholesale Corporation
Discharge Address:	999 Lake Drive
Discharge City:	Issaquah
Discharge State:	California
Discharge Zip:	98027
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported

COSTCO WHOLESALE NO 659 (Continued) **1005441336**

CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

ECHO:
Envid: 1005441336
Registry ID: 110012544853
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012544853

H35 **ST. VINCENT DE PAUL** **HIST CORTESE** **S105025899**
ESE **5676 REDWOOD** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.259 mi.
1369 ft. **Site 9 of 9 in cluster H**

Relative:
Higher

Actual:
98 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO084

---

36 **SHELL (RED DR)** **LUST** **S103285759**
ENE **REDWOOD DRIVE 5060** **N/A**
1/4-1/2 **ROHNERT PARK, CA**
0.268 mi.
1417 ft.

Relative:
Higher

Actual:
96 ft.

LUST REG 1:
Region: 1
Facility ID: 1TSO667
Staff Initials: HAZ

---

37 **DISCOVERY OFFICE SYSTEMS** **LUST** **S104162600**
SE **REDWOOD DRIVE 5800** **N/A**
1/4-1/2 **ROHNERT PARK, CA**
0.271 mi.
1429 ft.

Relative:
Higher

Actual:
98 ft.

LUST REG 1:
Region: 1
Facility ID: 1TSO468
Staff Initials: Closed

38
SSW
1/4-1/2
0.292 mi.
1542 ft.

ALVARADO BAKERY
500 MARTIN AVE
ROHNERT PARK, CA 94928

LUST
SWEEPS UST
HIST CORTESE

S102423907
N/A

Relative:
Lower

Actual:
94 ft.

LUST:

Region:	STATE
Global Id:	T0609700447
Latitude:	38.351652
Longitude:	-122.721954
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/27/1996
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO628
LOC Case Number:	00002484
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700447
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700447
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700447
Status:	Open - Case Begin Date
Status Date:	06/28/1996

Global Id:	T0609700447
Status:	Completed - Case Closed
Status Date:	08/27/1996

Regulatory Activities:

Global Id:	T0609700447
Action Type:	Other
Date:	06/28/1996
Action:	Leak Reported

ALVARADO BAKERY (Continued) **S102423907**

Global Id: T0609700447
Action Type: REMEDIATION
Date: 06/19/1996
Action: Not reported

Global Id: T0609700447
Action Type: Other
Date: 06/28/1996
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO628
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO628
Closed or Referred: Y
Confirm Date: 08/27/1996
LOP Number: 00002484
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700447

SWEEPS UST:
Status: Active
Comp Number: 2484
Number: 1
Board Of Equalization: 44-028033
Referral Date: 03-08-94
Action Date: 04-27-94
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-002484-000002
Tank Status: A
Capacity: 9000
Active Date: 10-05-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2484
Number: 1
Board Of Equalization: 44-028033
Referral Date: 03-08-94
Action Date: 04-27-94
Created Date: 03-31-89
Owner Tank Id: 1
SWRCB Tank Id: 49-000-002484-000001
Tank Status: A
Capacity: 1000
Active Date: 03-08-94

ALVARADO BAKERY (Continued) **S102423907**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO628

39
East
1/4-1/2
0.305 mi.
1613 ft.

Relative:
Higher

Actual:
98 ft.

HERTZ EQUIPMENT RENTAL CORP
5500 COMMERCE BLVD
ROHNERT PARK, CA 94928

RCRA-SQG **1000840822**
LUST **CAD981675572**
AST
CUPA Listings
EMI
HIST CORTESE

RCRA-SQG:
Date form received by agency: 02/28/2004
Facility name: HERTZ EQUIPMENT RENTAL CORP
Facility address: 5500 COMMERCE BLVD
ROHNERT PARK, CA 94928
EPA ID: CAD981675572
Mailing address: PO BOX 2939
ROHNERT PARK, CA 94927
Contact: DIANE SERLIN
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (707) 586-4409
Contact email: DSERLIN@HERTZ.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KENNY BURGE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHARLES BRADLEY
Owner/operator address: P O BOX 2939
ROHNERT PARK, CA 94927
Owner/operator country: Not reported
Owner/operator telephone: (707) 586-4413
Legal status: Private

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RENTAL CENTER PROPERTIES
Owner/operator address: PO BOX 4559
SANTA ROSA, CA 94502
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1974
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HERTZ EQUIPMENT RENTAL CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/28/2004
Site name: HERTZ EQUIPMENT RENTAL CORP
Classification: Large Quantity Generator

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/25/2002
Site name: HERTZ EQUIPMENT RENTAL CORP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/09/1992
Site name: BIG 4 RENTS ROHNERT PARK
Classification: Small Quantity Generator

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0609700424
Latitude: 38.356850371
Longitude: -122.711712088
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/02/2012
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO600
LOC Case Number: 00001039
File Location: Local Agency Warehouse
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Excerpts from file reports: In October 1994 fuel was observed floating on water in a stormwater drainage ditch approximately 500 feet NW of the site. A fuel system check was performed on the underground storage tank (UST) system at the site; the USTS consisted of two 10,000 gallon gaso-line, one 10,000 gallon diesel, one 5,000 gallon kerosene, one fuel island dedicated to the gasoline and diesel dispensers and one island for dispensing kerosene. During the course of fuel system check, a pressure decrease resulting from a line leak was noted at a diesel line locted beneath the dispenser. In March

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

1996 eight Geo-Probe borings were advanced to investigate subsurfce conditions. In April 1996 a video survey report of the on-site storm drains showed no cracks or separations in the storm drain system. In August 1996 one monitoring well (MW) was installed within 10 ft of the former line leak. In March 1998 four soil borings were advanced to 13 - 23 ft bgs. Two additional monitoring wells were installed in April 2003. In March 2009 the consultant submitted a report and request for case closure. The Sonoma County Department of Health Services, Environmental Health Division reviewed the reprot and denied case closure pending additional tasks to be performed pursuant to their letter dated March 23, 2009. Site was on Cleanup Fund Director's list for closure. Site management requirements: Contingency planning is required for worker safety and waste disposal if excavating in area(s) of residual contamination. The Building Department has been notified. Newly proposed water supply wells may require siting and design by a qualified professional engineer or geologist. Sonoma County Permit and Resource Mgmt. Dept. has been notified. SIte closed on 11-2-12.

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0609700424
Status:	Open - Case Begin Date
Status Date:	10/13/1994
Global Id:	T0609700424
Status:	Open - Site Assessment
Status Date:	03/01/1996
Global Id:	T0609700424
Status:	Open - Site Assessment
Status Date:	04/22/2003
Global Id:	T0609700424
Status:	Open - Verification Monitoring
Status Date:	03/04/2009
Global Id:	T0609700424
Status:	Completed - Case Closed
Status Date:	11/02/2012

Regulatory Activities:

Global Id:	T0609700424
Action Type:	ENFORCEMENT
Date:	07/12/2012
Action:	Staff Letter
Global Id:	T0609700424
Action Type:	RESPONSE
Date:	12/20/2011
Action:	Soil and Water Investigation Workplan
Global Id:	T0609700424
Action Type:	RESPONSE
Date:	04/17/2012
Action:	Soil and Water Investigation Report

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Global Id: T0609700424
Action Type: Other
Date: 10/09/1994
Action: Leak Stopped

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 03/24/2009
Action: Technical Correspondence / Assistance / Other - #none

Global Id: T0609700424
Action Type: RESPONSE
Date: 04/06/2010
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0609700424
Action Type: RESPONSE
Date: 06/08/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0609700424
Action Type: RESPONSE
Date: 06/08/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 10/26/2004
Action: * Historical Enforcement

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 01/19/2010
Action: Staff Letter

Global Id: T0609700424
Action Type: Other
Date: 11/28/1994
Action: Leak Reported

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 05/26/2011
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 10/20/2011
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 01/18/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Date: 09/05/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: LOP Case Closure Summary to RB

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 07/12/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 08/14/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 08/07/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 11/02/2012
Action: Closure/No Further Action Letter

Global Id: T0609700424
Action Type: ENFORCEMENT
Date: 06/26/2012
Action: Staff Letter

Global Id: T0609700424
Action Type: Other
Date: 10/13/1994
Action: Leak Discovery

Global Id: T0609700424
Action Type: RESPONSE
Date: 01/31/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0609700424
Action Type: RESPONSE
Date: 08/26/2011
Action: Monitoring Report - Other

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

LUST REG 1:
- Region: 1
- Facility ID: 1TSO600
- Staff Initials: HAZ

SONOMA CO. LUST:
- Region: SONOMA
- Regional Board: 1TSO600
- Closed or Referred: Y
- Confirm Date: 11/02/2012
- LOP Number: 00001039
- Staff: Not reported
- Decode of Staff: Not reported
- Global ID: T0609700424

AST:
- Certified Unified Program Agencies: Not reported
- Owner: Hertz Equipment Rental Corporation
- Total Gallons: Not reported
- CERSID: 10100767
- Facility ID: 49-000-000008
- Business Name: Hertz Equipment Rental Corporation
- Phone: 707-586-6491
- Fax: 866-222-5005
- Mailing Address: 5500 Commerce Boulevard
- Mailing Address City: Rohnert Park
- Mailing Address State: CA
- Mailing Address Zip Code: 94928
- Operator Name: Brad Burge
- Operator Phone: 707-586-6491
- Owner Phone: 239-948-4515
- Owner Mail Address: 27500 Riverview Center Blvd.
- Owner State: FL
- Owner Zip Code: 34134
- Owner Country: United States
- Property Owner Name: Not reported
- Property Owner Phone: Not reported
- Property Owner Mailing Address: Not reported
- Property Owner City: Not reported
- Property Owner Stat : Not reported
- Property Owner Zip Code: Not reported
- Property Owner Country: Not reported
- EPAID: CAD981675572

CUPA SONOMA:
- Facility ID: 49-000-000008
- Permit: 8
- Type: APSA
- HMBP: True
- UST: True
- HWG: True
- calarp: False
- AST: False
- HW Treatment: False
- Fee Schedule: Tier 1 Facility (> 1320 gallons, < 10000 gallons, no single tank > 5000 gals)

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

CERS ID: 10100767
Experation Date: 05/26/2018

Facility ID: 49-000-000008
Permit: 8
Type: Hazardous Waste
HMBP: True
UST: True
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: LQG 5 to < 25 tons/year
CERS ID: 10100767
Experation Date: 12/04/2016

Facility ID: 49-000-000008
Permit: 8
Type: UST
HMBP: True
UST: True
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Permit to Operate - 5 tanks
CERS ID: 10100767
Experation Date: 12/04/2016

Facility ID: 49-000-000008
Permit: 8
Type: HMBP
HMBP: True
UST: True
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Range 5
CERS ID: 10100767
Experation Date: 12/04/2016

EMI:
Year: 1995
County Code: 49
Air Basin: SF
Facility ID: 9317
Air District Name: BA
SIC Code: 7359
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1996
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1997
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1998
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	1999
County Code:	49
Air Basin:	SF

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.426
Reactive Organic Gases Tons/Yr:	0.3544522
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.426
Reactive Organic Gases Tons/Yr:	.3544522
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

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.747
Reactive Organic Gases Tons/Yr:	.5750086
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.747
Reactive Organic Gases Tons/Yr:	.5750086
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.303
Reactive Organic Gases Tons/Yr:	.2325476
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	9317

HERTZ EQUIPMENT RENTAL CORP (Continued) **1000840822**

Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.30299999999999999
Reactive Organic Gases Tons/Yr:	0.23254759999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.30299999999999999
Reactive Organic Gases Tons/Yr:	0.23254759999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	49
Air Basin:	SF
Facility ID:	9317
Air District Name:	BA
SIC Code:	7359
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.303
Reactive Organic Gases Tons/Yr:	0.2325476
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO600

40
ENE
1/4-1/2
0.308 mi.
1627 ft.

Relative:
Higher

Actual:
99 ft.

EMPIRE EQUIPMENT CO LP
5380 COMMERCE BLVD
ROHNERT PARK, CA 94928

RCRA-SQG **1000261289**
LUST **CAD981684830**
AST
HIST UST
FINDS
CUPA Listings
HIST CORTESE
ECHO

RCRA-SQG:

Date form received by agency:	03/14/1996
Facility name:	EMPIRE EQUIPMENT CO LP
Facility address:	5380 COMMERCE BLVD ROHNERT PARK, CA 94928
EPA ID:	CAD981684830
Contact:	RICHARD DENNIS
Contact address:	5380 COMMERCE BLVD ROHNERT PARK, CA 94928
Contact country:	US
Contact telephone:	(707) 584-9161
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	EMPIRE EQUIPMENT CO LP
Owner/operator address:	P O BOX 15017 SACRAMENTO, CA 95851
Owner/operator country:	Not reported
Owner/operator telephone:	(916) 922-7181
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

EMPIRE EQUIPMENT CO LP (Continued) **1000261289**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0609700014
Latitude: 38.358337
Longitude: -122.711728
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/23/1997
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO021
LOC Case Number: 00001134
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609700014
Contact Type: Local Agency Caseworker
Contact Name: LOP CLOSED IN RB01
Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0609700014
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700014
Status: Open - Case Begin Date
Status Date: 09/30/1986

Global Id: T0609700014
Status: Open - Site Assessment
Status Date: 05/03/1990

EMPIRE EQUIPMENT CO LP (Continued) **1000261289**

Global Id: T0609700014
Status: Completed - Case Closed
Status Date: 05/23/1997

Regulatory Activities:
Global Id: T0609700014
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700014
Action Type: REMEDIATION
Date: 01/24/1997
Action: Not reported

Global Id: T0609700014
Action Type: Other
Date: 09/30/1986
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO021
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO021
Closed or Referred: Y
Confirm Date: 05/23/1997
LOP Number: 00001134
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700014

AST:
Certified Unified Program Agencies: Not reported
Owner: PAPE Group
Total Gallons: Not reported
CERSID: 10102156
Facility ID: 49-000-001621
Business Name: Pape Machinery, Inc.
Phone: (707)-584-9161
Fax: 707-584-4786
Mailing Address: 5380 Commerce Blvd
Mailing Address City: Rohnert Park
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: Pap Machinery
Operator Phone: (707)-584-9161
Owner Phone: (541) 341-3344
Owner Mail Address: PO BOX 407
Owner State: OR
Owner Zip Code: 97440

EMPIRE EQUIPMENT CO LP (Continued) **1000261289**

Owner Country: United States
Property Owner Name: Jason Landis
Property Owner Phone: (209) 559-3617
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: United States
EPAID: CAL000291925

HIST UST:
File Number: 00021796
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021796.pdf
Region: STATE
Facility ID: 00000002668
Facility Type: Other
Other Type: EQUIPMENT DEALER
Contact Name: Not reported
Telephone: 7075849161
Owner Name: EMPIRE TRACTOR & EQUIP. CO.
Owner Address: 5380 COMMERCE BLVD
Owner City,St,Zip: ROHNERT PARK, CA 94928
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1975
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: X2
Leak Detection: Visual

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002751905

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

EMPIRE EQUIPMENT CO LP (Continued) **1000261289**

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: 110055741185

Environmental Interest/Information System
STATE MASTER

CUPA SONOMA:

Facility ID:	49-000-001621
Permit:	1621
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	True
HW Treatment:	False
Fee Schedule:	Waste Oil Only > 5 tons/year
CERS ID:	10102156
Experation Date:	08/08/2016

Facility ID:	49-000-001621
Permit:	1621
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	True
HW Treatment:	False
Fee Schedule:	Range 3
CERS ID:	10102156
Experation Date:	08/08/2016

Facility ID:	49-000-001621
Permit:	1621
Type:	APSA
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	True
HW Treatment:	False
Fee Schedule:	Tier 1 Facility (> 1320 gallons, < 10000 gallons, no single tank > 5000 gals)
CERS ID:	10102156
Experation Date:	08/08/2016

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO021

EMPIRE EQUIPMENT CO LP (Continued) **1000261289**

ECHO:
Envid: 1000261289
Registry ID: 110002751905
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002751905

I41 **DISCOVERY OFFICE SYSTEMS** **HIST UST** **U001600132**
SE **5800 REDWOOD** **HIST CORTESE** **N/A**
1/4-1/2 **ROHNERT PARK, CA 95401**
0.309 mi.
1630 ft. **Site 1 of 3 in cluster I**

Relative:
Higher

Actual:
98 ft.

HIST UST:
File Number: 0002171B
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002171B.pdf
Region: STATE
Facility ID: 00000010134
Facility Type: Other
Other Type: BUSINESS MACHINES
Contact Name: MICHAEL MOORE
Telephone: 7075849410
Owner Name: DISCOVERY ENTERPRISES, INC.
Owner Address: 5800 REDWOOD DR.
Owner City,St,Zip: ROHNERT PARK, CA 94928
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: 1978
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 10GA
Leak Detection: Visual, Stock Inventor

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO468

I42 **DISCOVERY OFFICE SYSTEMS** **LUST** **S101624721**
SE **5800 REDWOOD DR** **SWEEPS UST** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **CA FID UST**
0.309 mi.
1630 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
98 ft.

LUST:
Region: STATE
Global Id: T0609700331
Latitude: 38.352235
Longitude: -122.714173
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

DISCOVERY OFFICE SYSTEMS (Continued) **S101624721**

Status Date:	05/14/1992
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO468
LOC Case Number:	00001113
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700331
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700331
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700331
Status:	Open - Case Begin Date
Status Date:	08/05/1991

Global Id:	T0609700331
Status:	Open - Site Assessment
Status Date:	12/18/1991

Global Id:	T0609700331
Status:	Completed - Case Closed
Status Date:	05/14/1992

Regulatory Activities:

Global Id:	T0609700331
Action Type:	Other
Date:	01/02/1965
Action:	Leak Reported

Global Id:	T0609700331
Action Type:	Other
Date:	08/05/1991
Action:	Leak Discovery

DISCOVERY OFFICE SYSTEMS (Continued) **S101624721**

SONOMA CO. LUST:
- Region: SONOMA
- Regional Board: 1TSO468
- Closed or Referred: Closed
- Confirm Date: 05/14/1992
- LOP Number: 00001113
- Staff: Not reported
- Decode of Staff: Not reported
- Global ID: T0609700331

SWEEPS UST:
- Status: Not reported
- Comp Number: 1113
- Number: Not reported
- Board Of Equalization: 44-027745
- Referral Date: Not reported
- Action Date: Not reported
- Created Date: Not reported
- Owner Tank Id: Not reported
- SWRCB Tank Id: 49-000-001113-000001
- Tank Status: Not reported
- Capacity: 2000
- Active Date: Not reported
- Tank Use: M.V. FUEL
- STG: PRODUCT
- Content: REG UNLEADED
- Number Of Tanks: 1

CA FID UST:
- Facility ID: 49001291
- Regulated By: UTNKI
- Regulated ID: Not reported
- Cortese Code: Not reported
- SIC Code: Not reported
- Facility Phone: 7075849410
- Mail To: Not reported
- Mailing Address: 85 SCENIC AVE
- Mailing Address 2: Not reported
- Mailing City,St,Zip: ROHNERT PARK 94928
- Contact: Not reported
- Contact Phone: Not reported
- DUNs Number: Not reported
- NPDES Number: Not reported
- EPA ID: Not reported
- Comments: Not reported
- Status: Inactive

43
SE
1/4-1/2
0.310 mi.
1636 ft.

GROOM PROPERTIES **SLIC** **S109521396**
5925/5980/6100 REDWOOD DRIVE **N/A**
ROHNERT PARK, CA 94928

Relative:
Higher

Actual:
98 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	11/26/2002
Global Id:	SL0609763696
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number:	Not reported
Latitude:	38.3516271633853
Longitude:	-122.714887261391
Case Type:	Cleanup Program Site
Case Worker:	KJB
Local Agency:	Not reported
RB Case Number:	1NSO847
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Trichloroethylene (TCE)
Site History:	Related site: 101 International, during investigation at 101 International, trichloroethene was discoverd at high levels, up-graident of 101 International USTs. Groom Properties file was open as a suspected source of contamination. Preliminary investigation shows that groundwater contamination is still present.

Click here to access the California GeoTracker records for this facility:

44
ESE
1/4-1/2
0.318 mi.
1679 ft.

YOUNG AMERICA HOMES **LUST** **S104162606**
5800 COMMERCE **HIST CORTESE** **N/A**
ROHNERT PARK, CA 94928

Relative:
Higher

Actual:
99 ft.

LUST:

Region:	STATE
Global Id:	T0609700031
Latitude:	38.3545609
Longitude:	-122.711472
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/02/1991
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO044
LOC Case Number:	00001507
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700031
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01

YOUNG AMERICA HOMES (Continued) **S104162606**

Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0609700031
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700031
Status: Open - Case Begin Date
Status Date: 07/15/1986

Global Id: T0609700031
Status: Open - Site Assessment
Status Date: 11/23/1987

Global Id: T0609700031
Status: Completed - Case Closed
Status Date: 12/02/1991

Regulatory Activities:
Global Id: T0609700031
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700031
Action Type: Other
Date: 07/15/1986
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO044
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO044
Closed or Referred: Closed
Confirm Date: 12/02/1991
LOP Number: 00001507
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700031

YOUNG AMERICA HOMES (Continued) **S104162606**

HIST CORTESE:
- Region: CORTESE
- Facility County Code: 49
- Reg By: LTNKA
- Reg Id: 1TSO044

I45 **UNNAMED** **SLIC** **S105181100**
SE **5925 REDWOOD DRIVE** **N/A**
1/4-1/2 **ROHNERT PARK, CA 0**
0.329 mi.
1737 ft. **Site 3 of 3 in cluster I**

Relative: Higher

Actual: 98 ft.

SLIC REG 1:
- Region: 1
- Facility ID: 1NSO796
- Staff Initials: AAA

J46 **BOISE CASCADE AKA BMC WEST** **LUST** **S100179661**
ENE **5300 COMMERCE BOULEVARD** **HIST CORTESE** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **Notify 65**
0.331 mi.
1746 ft. **Site 1 of 4 in cluster J**

Relative: Higher

Actual: 97 ft.

LUST:
- Region: STATE
- Global Id: T0609700114
- Latitude: 38.359704
- Longitude: -122.711092
- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 03/02/1994
- Lead Agency: NORTH COAST RWQCB (REGION 1)
- Case Worker: ZZZ
- Local Agency: SONOMA COUNTY
- RB Case Number: 1TSO146
- LOC Case Number: Not reported
- File Location: Not reported
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: Gasoline
- Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
- Global Id: T0609700114
- Contact Type: Local Agency Caseworker
- Contact Name: ENVIRON HEALTH STAFF (NON LOP-RB1)
- Organization Name: SONOMA COUNTY
- Address: 625 5th Street
- City: SANTA ROSA
- Email: Not reported
- Phone Number: Not reported

- Global Id: T0609700114
- Contact Type: Regional Board Caseworker
- Contact Name: REGIONAL WATER BOARD SITE CLOSED

BOISE CASCADE AKA BMC WEST (Continued) **S100179661**

Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Status History:
Global Id: T0609700114
Status: Open - Case Begin Date
Status Date: 01/11/1988

Global Id: T0609700114
Status: Open - Site Assessment
Status Date: 01/19/1988

Global Id: T0609700114
Status: Open - Site Assessment
Status Date: 06/01/1988

Global Id: T0609700114
Status: Open - Site Assessment
Status Date: 05/24/1989

Global Id: T0609700114
Status: Open - Remediation
Status Date: 04/01/1991

Global Id: T0609700114
Status: Open - Verification Monitoring
Status Date: 04/01/1991

Global Id: T0609700114
Status: Completed - Case Closed
Status Date: 03/02/1994

Regulatory Activities:
Global Id: T0609700114
Action Type: Other
Date: 01/11/1988
Action: Leak Stopped

Global Id: T0609700114
Action Type: ENFORCEMENT
Date: 09/03/1996
Action: Closure/No Further Action Letter

Global Id: T0609700114
Action Type: Other
Date: 01/11/1988
Action: Leak Reported

Global Id: T0609700114
Action Type: ENFORCEMENT
Date: 03/02/1994
Action: Staff Letter

BOISE CASCADE AKA BMC WEST (Continued) **S100179661**

Global Id: T0609700114
Action Type: Other
Date: 01/11/1988
Action: Leak Discovery

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO146

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

J47 **BOISE CASCADE** **SEMS-ARCHIVE** **1003879705**
ENE **5300 COMMERCE BLVD.** **CAD983644923**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.331 mi.
1746 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
97 ft.

SEMS-ARCHIVE:
Site ID: 904537
EPA ID: CAD983644923
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0904537
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285161.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290756.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296614.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: BMC WEST
Alias Address: Not reported
CA

BOISE CASCADE (Continued) **1003879705**

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	06/22/92
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	06/27/94
Priority Level:	Higher priority for further assessment
Action:	SITE INSPECTION
Date Started:	10/29/93
Date Completed:	09/30/94
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	09/30/94
Priority Level:	Not reported

J48 **PACIFIC BELL** **RCRA-SQG** **1000251844**
ENE **5210 COMMERCE BOULEVARD** **LUST** **CAT080028954**
1/4-1/2 **ROHNERT PARK, CA 94928** **SWEEPS UST**
0.350 mi. **HIST UST**
1849 ft. **Site 3 of 4 in cluster J** **CA FID UST**
FINDS
Relative: **CUPA Listings**
Higher **EMI**
HIST CORTESE
Actual: **Notify 65**
98 ft. **ECHO**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	PACIFIC BELL
Facility address:	5210 COMMERCE BOULEVARD ROHNERT PARK, CA 94928
EPA ID:	CAT080028954
Mailing address:	3707 KINGS WAY SEC A-6 SACRAMENTO, CA 95821
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	THE PACIFIC TELEPHONE AND TELEGRAPH CO

PACIFIC BELL (Continued) **1000251844**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/05/1981
Site name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 1:
Region: 1
Facility ID: 1TSO223
Staff Initials: Closed

SWEEPS UST:
Status: Active
Comp Number: 2156
Number: 9
Board Of Equalization: 44-027839
Referral Date: Not reported
Action Date: 10-05-89
Created Date: 03-31-89

PACIFIC BELL (Continued) **1000251844**

Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-002156-000001
Tank Status: A
Capacity: 1
Active Date: 10-05-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: 1

HIST UST:
File Number: 000214F1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000214F1.pdf
Region: STATE
Facility ID: 00000057767
Facility Type: Other
Other Type: SIC 4800
Contact Name: E.J.KOEHLER
Telephone: 4155426758
Owner Name: PACIFIC BELL
Owner Address: 370 THIRD STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94107
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1978
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 49003271
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7075752525
Mail To: Not reported
Mailing Address: 2600 CAMINO RAMON
Mailing Address 2: Not reported
Mailing City,St,Zip: ROHNERT PARK 94928
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:

PACIFIC BELL (Continued) **1000251844**

Registry ID: 110055739973

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002954928

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

CUPA SONOMA:
Facility ID: 49-000-000234
Permit: 234
Type: HMBP
HMBP: True
UST: True
HWG: True
calarp: False
AST: True
HW Treatment: False
Fee Schedule: Range 3
CERS ID: 10101172
Experation Date: 07/22/2017

Facility ID: 49-000-000234
Permit: 234
Type: UST
HMBP: True
UST: True
HWG: True
calarp: False
AST: True
HW Treatment: False
Fee Schedule: Permit to Operate - 1 tank
CERS ID: 10101172
Experation Date: 07/22/2017

Facility ID: 49-000-000234
Permit: 234
Type: Hazardous Waste
HMBP: True
UST: True

PACIFIC BELL (Continued) **1000251844**

HWG:	True
calarp:	False
AST:	True
HW Treatment:	False
Fee Schedule:	SQG Recyclable - < 5 galllons/month (non-exempt)
CERS ID:	10101172
Experation Date:	07/22/2017

Facility ID:	49-000-000234
Permit:	Not reported
Type:	APSA
HMBP:	Not reported
UST:	Not reported
HWG:	Not reported
calarp:	Not reported
AST:	Not reported
HW Treatment:	Not reported
Fee Schedule:	Not reported
CERS ID:	10101172
Experation Date:	12/16/2013

EMI:

Year:	2001
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004

PACIFIC BELL (Continued) **1000251844**

County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.003
Reactive Organic Gases Tons/Yr:	0.0025101
Carbon Monoxide Emissions Tons/Yr:	0.007
NOX - Oxides of Nitrogen Tons/Yr:	0.032
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001952

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.003
Reactive Organic Gases Tons/Yr:	.0025101
Carbon Monoxide Emissions Tons/Yr:	.007
NOX - Oxides of Nitrogen Tons/Yr:	.032
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	14456
Air District Name:	BA
SIC Code:	4931
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	.002
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD

PACIFIC BELL (Continued) **1000251844**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.001
Reactive Organic Gases Tons/Yr:	.0008367
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.014
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.001
Reactive Organic Gases Tons/Yr:	.0008367
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.014
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000976

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	14456
Air District Name:	BA
SIC Code:	4931
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	.002
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.003
Reactive Organic Gases Tons/Yr:	.0025101
Carbon Monoxide Emissions Tons/Yr:	.008
NOX - Oxides of Nitrogen Tons/Yr:	.036

PACIFIC BELL (Continued) **1000251844**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.003
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.002928
Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.0000000000000001E-3
Reactive Organic Gases Tons/Yr:	2.5100999999999999E-3
Carbon Monoxide Emissions Tons/Yr:	8.0000000000000002E-3
NOX - Oxides of Nitrogen Tons/Yr:	3.5999999999999997E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00307377049180327
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.0000000000000001E-3
Year:	2010
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	8.0000000000000002E-3
NOX - Oxides of Nitrogen Tons/Yr:	3.5000000000000003E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00204918032786885
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002
Year:	2011
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	0.008
NOX - Oxides of Nitrogen Tons/Yr:	0.035
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2012
County Code:	49

PACIFIC BELL (Continued) **1000251844**

Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0016734
Carbon Monoxide Emissions Tons/Yr:	0.008
NOX - Oxides of Nitrogen Tons/Yr:	0.035
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0020491803279
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002

Year:	2013
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.005
Reactive Organic Gases Tons/Yr:	0.0041835
Carbon Monoxide Emissions Tons/Yr:	0.016
NOX - Oxides of Nitrogen Tons/Yr:	0.074
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.005

Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	10739
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00531146
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.016039498
NOX - Oxides of Nitrogen Tons/Yr:	0.073778289
SOX - Oxides of Sulphur Tons/Yr:	3.4202e-005
Particulate Matter Tons/Yr:	0.005492184
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.005272497

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO223

NOTIFY 65:

PACIFIC BELL (Continued) **1000251844**

Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

ECHO:
Envid: 1000251844
Registry ID: 110002954928
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002954928

J49 **SBC (TD 351)** **LUST U003699327**
ENE **5210 COMMERCE BLVD** **UST N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.350 mi.
1849 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
98 ft.

LUST:
Region: STATE
Global Id: T0609700168
Latitude: 38.360055
Longitude: -122.711898
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/20/1991
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO223
LOC Case Number: 00002156
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609700168
Contact Type: Local Agency Caseworker
Contact Name: LOP CLOSED IN RB01
Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0609700168
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

SBC (TD 351) (Continued) **U003699327**

Status History:
Global Id: T0609700168
Status: Open - Case Begin Date
Status Date: 10/20/1988

Global Id: T0609700168
Status: Open - Site Assessment
Status Date: 12/01/1988

Global Id: T0609700168
Status: Completed - Case Closed
Status Date: 08/20/1991

Regulatory Activities:
Global Id: T0609700168
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700168
Action Type: Other
Date: 10/20/1988
Action: Leak Discovery

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO223
Closed or Referred: Y
Confirm Date: 08/20/1991
LOP Number: 00002156
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700168

UST:
Facility ID: 234
Permitting Agency: SONOMA COUNTY
Latitude: 38.361402
Longitude: -122.710551

50
SW
1/4-1/2
0.354 mi.
1867 ft.

JC PENNY, FORMER TBA FACI **HIST CORTESE** **S103664108**
539 MARTIN **N/A**
ROHNERT PARK, CA 94928

Relative:
Lower

Actual:
93 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 2518

51
NE
1/4-1/2
0.359 mi.
1893 ft.

TESORO FUEL STATION
5085 REDWOOD DRIVE
ROHNERT PARK, CA 94928

LUST **S106162527**
N/A

Relative:
Higher

Actual:
96 ft.

LUST:

Region:	STATE
Global Id:	T0609729469
Latitude:	38.361798387
Longitude:	-122.715008747
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/13/2012
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO851
LOC Case Number:	00023782
File Location:	Local Agency Warehouse
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	In January of 2003 an inspection was done by Sonoma Co Dept of Emergency Services. It was observed that a hose on the diesel dispensor was leaking product to the ground surface. Subsequent investigation showed that groundwater was not impacted by diesel but it was impacted, however, by MTBE. The contamination in soil and groundwater was defined by monitoring wells and borings. Several water supply wells in the area were also tested for MTBE but it has not been reported in any of these wells. MTBE appears to be naturally attenuating so a Corrective Action Plan is no longer required. Site closure is being reviewed. A site summary is required per Regional Board for closure. Site Management Requirements: Newly proposed water supply wells may require site and design by a qualified professional engineer or geologist. Sonoma County Permit and Resource Management Department has been notified. Site closed on July 13, 2012.

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0609729469
Status:	Open - Case Begin Date
Status Date:	01/08/2003
Global Id:	T0609729469
Status:	Open - Site Assessment
Status Date:	04/09/2003
Global Id:	T0609729469
Status:	Open - Site Assessment
Status Date:	07/28/2003
Global Id:	T0609729469
Status:	Open - Site Assessment
Status Date:	11/06/2003
Global Id:	T0609729469
Status:	Open - Site Assessment
Status Date:	02/03/2005

TESORO FUEL STATION (Continued) **S106162527**

Global Id: T0609729469
Status: Open - Remediation
Status Date: 02/04/2005

Global Id: T0609729469
Status: Open - Verification Monitoring
Status Date: 07/13/2010

Global Id: T0609729469
Status: Completed - Case Closed
Status Date: 07/13/2012

Regulatory Activities:
Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 09/09/2008
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 03/20/2012
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 06/06/2012
Action: Staff Letter

Global Id: T0609729469
Action Type: Other
Date: 01/30/2003
Action: Leak Discovery

Global Id: T0609729469
Action Type: RESPONSE
Date: 09/18/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0609729469
Action Type: RESPONSE
Date: 02/07/2012
Action: Monitoring Report - Other

Global Id: T0609729469
Action Type: RESPONSE
Date: 03/09/2012
Action: Soil and Water Investigation Report

Global Id: T0609729469
Action Type: Other
Date: 01/30/2003
Action: Leak Stopped

Global Id: T0609729469
Action Type: RESPONSE
Date: 04/25/2012
Action: Clean Up Fund - 5-Year Review Summary

TESORO FUEL STATION (Continued) **S106162527**

Global Id: T0609729469
Action Type: RESPONSE
Date: 07/02/2012
Action: Well Destruction Workplan

Global Id: T0609729469
Action Type: RESPONSE
Date: 08/06/2012
Action: Well Destruction Report

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 07/31/2009
Action: Staff Letter

Global Id: T0609729469
Action Type: RESPONSE
Date: 07/31/2006
Action: Other Report / Document

Global Id: T0609729469
Action Type: RESPONSE
Date: 04/28/2006
Action: Soil and Water Investigation Report

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/05/2004
Action: Referral to Local Agency

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 05/22/2003
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/30/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 09/03/2009
Action: Staff Letter

Global Id: T0609729469
Action Type: Other
Date: 02/10/2003
Action: Leak Reported

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 09/15/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0609729469
Action Type: ENFORCEMENT

TESORO FUEL STATION (Continued) **S106162527**

Date: 01/08/2003
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 05/11/2004
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 04/18/2006
Action: Arbitration/Dispute Resolution

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 07/18/2011
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/27/2006
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/27/2006
Action: Notice of Responsibility

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 03/22/2006
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 11/22/2006
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/09/2012
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 12/07/2011
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 03/20/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 03/20/2012
Action: LOP Case Closure Summary to RB

TESORO FUEL STATION (Continued) **S106162527**

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 01/05/2012
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 05/02/2012
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 07/13/2012
Action: Closure/No Further Action Letter

Global Id: T0609729469
Action Type: RESPONSE
Date: 07/25/2003
Action: Preliminary Site Assessment Workplan

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 02/10/2003
Action: Staff Letter

Global Id: T0609729469
Action Type: ENFORCEMENT
Date: 08/12/2003
Action: Staff Letter

Global Id: T0609729469
Action Type: RESPONSE
Date: 12/05/2003
Action: Preliminary Site Assessment Report

Global Id: T0609729469
Action Type: RESPONSE
Date: 11/21/2004
Action: Remedial Progress Report

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO851
Closed or Referred: Y
Confirm Date: 07/13/2012
LOP Number: 00023782
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609729469

K52 **101 INTERNATIONAL, INC.** **LUST** **1000120187**
SSE **6100 REDWOOD** **SLIC** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **SWEEPS UST**
0.367 mi. **HIST UST**
1940 ft. **Site 1 of 2 in cluster K** **CA FID UST**
CUPA Listings
Relative: **HIST CORTESE**
Higher

Actual: LUST REG 1:
97 ft.

Region:	1
Facility ID:	1TSO238
Staff Initials:	LCX

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/29/2009
Global Id:	T0609700180
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number:	00001509
Latitude:	38.3507773704598
Longitude:	-122.715353965759
Case Type:	Cleanup Program Site
Case Worker:	KJB
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO238
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Trichloroethylene (TCE), Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Former UST release. TCE/Solvents identified during investigation. Evidence suggests TCE contamination is from an off-site source. No further work required related to petroleum hydrocarbons, but case remains open until TCE source can be identified. See Groom Properties 1NSO847

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	1509
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	10-03-89
Created Date:	03-31-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	49-000-001509-000001
Tank Status:	A
Capacity:	1000
Active Date:	10-03-89
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Status:	Active
Comp Number:	1509

101 INTERNATIONAL, INC. (Continued) **1000120187**

Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 10-03-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001509-000002
Tank Status: A
Capacity: 1000
Active Date: 10-03-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 1509
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 10-03-89
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-001509-000003
Tank Status: A
Capacity: 350
Active Date: 10-03-89
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000013002
Facility Type: Other
Other Type: TRUCK DEALERSHIP
Contact Name: PHILIP A. TELAMANTES
Telephone: 7075841610
Owner Name: JAMES H. & PEARL GROOM
Owner Address: 85 SCENIC AVENUE
Owner City,St,Zip: SANTA ROSA, CA 95401
Total Tanks: 0003

Tank Num: 001
Container Num: #1
Year Installed: 1976
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #3

101 INTERNATIONAL, INC. (Continued) **1000120187**

Year Installed:	1976
Tank Capacity:	00000350
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	003
Container Num:	#2
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

CA FID UST:

Facility ID:	49000212
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7075841610
Mail To:	Not reported
Mailing Address:	85 SCENIC
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ROHNERT PARK 94928
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CUPA SONOMA:

Facility ID:	49-000-007797
Permit:	7797
Type:	Hazardous Waste
HMBP:	True
UST:	False
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG > 325 gallons/year to
CERS ID:	10123915
Experation Date:	04/21/2014

Facility ID:	49-000-007797
Permit:	7797
Type:	HMBP
HMBP:	True
UST:	False
HWG:	True
calarp:	False

101 INTERNATIONAL, INC. (Continued) **1000120187**

AST: False
HW Treatment: False
Fee Schedule: Range 3
CERS ID: 10123915
Experation Date: 04/21/2014

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO238

K53 **101 INTERNATIONAL, INC.** **LUST** **S106247490**
SSE **6100 REDWOOD DR** **N/A**
1/4-1/2 **ROHNERT PARK, CA**
0.367 mi.
1940 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
97 ft.

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO238
Closed or Referred: Referred
Confirm Date: 07/02/1992
LOP Number: 00001509
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700180

L54 **SAFETY-KLEEN SYSTEMS, INC.** **SEMS-ARCHIVE** **1000224434**
East **5750 COMMERCE BLVD** **CORRACTS** **CAT000613943**
1/4-1/2 **ROHNERT PARK, CA 94928** **RCRA-TSDF**
0.385 mi. **RCRA-LQG**
2035 ft. **Site 1 of 2 in cluster L** **ENVIROSTOR**
LUST

Relative:
Higher

Actual:
100 ft.

SLIC
SWEEPS UST
HIST UST
CHMIRS
US FIN ASSUR
2020 COR ACTION
CUPA Listings
ENF
Financial Assurance
ICE
HIST CORTESE
HWP
NPDES
WDS

SEMS-ARCHIVE:
Site ID: 900288
EPA ID: CAT000613943
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0900288
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13289183.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294778.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300636.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 01/01/91
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 08/02/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20001109
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 20001109
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20001109
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): 562112

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Hazardous Waste Collection
Original schedule date: 20001109
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19911111
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920113
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19891215
Action: CA250 - CMS Imposition
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19891215
Action: CA100 - RFI Imposition
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910315
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19900917
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 19900917
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19900917
Action: CA050 - RFA Completed
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 19900917
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19900917
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19930820
Action: CA190 - RFI Report Received
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010123
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010123
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 562112

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100224
Action: CA550RC
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 20100224
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20100224
Action: CA550RC
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 20100224
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910724
Action: CA049PA
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910724
Action: CA029WQ
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910724
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Area Name: ENTIRE FACILITY
Actual Date: 19971124
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971124
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 19971124
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971124
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971124
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20020925
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Actual Date: 20020925
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 20020925
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20020925
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 20020925
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20020925
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940829
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920930
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Actual Date: 19920930
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 19920930
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920930
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT000613943
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA03193
NAICS Code(s): 562112
Hazardous Waste Collection
Original schedule date: 19931001
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/25/2016
Facility name: SAFETY-KLEEN SYSTEMS, INC.
Facility address: 5750 COMMERCE BLVD
ROHNERT PARK, CA 94928
EPA ID: CAT000613943
Mailing address: COMMERCE BLVD
ROHNERT PARK, CA 94928
Contact: NAHID TOOSSI
Contact address: SOUTH YALE
SANTA ANA, CA 92704
Contact country: US
Contact telephone: (714) 429-3001
Contact email: NAHID.TOOSSI@SAFETY-KLEEN.COM
EPA Region: 09
Land type: Private

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: SAFETY-KLEEN SYSTEMS, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/14/1997
Owner/Op end date: Not reported

Owner/operator name: SAFETY-KLEEN SYSTEMS, INC.
Owner/operator address: NORTH CENTRAL EXPRESSWAY
RICHARDSON, TX 75080
Owner/operator country: US
Owner/operator telephone: (714) 429-4355
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/14/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: Yes
Used oil transporter: Yes

. Waste code: D001

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste name: IGNITABLE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/13/2008
Site name: SAFETY-KLEEN SYSTEMS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/27/2006
Site name: SAFETY-KLEEN SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/09/2004
Site name: SAFETY-KLEEN SYSTEMS INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Date form received by agency: 03/27/2002
Site name: SAFETY-KLEEN SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: SAFETY-KLEEN SYSTEMS, INC.-ROHNERT PK
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: SAFETY-KLEEN CORP - ROHNERT PARK, CA
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: SAFETY KLEEN CORP 7 178 03
Classification: Small Quantity Generator

Date form received by agency: 04/04/1996
Site name: SAFETY KLEEN CORP
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: SAFETY-KLEEN CORP
Classification: Large Quantity Generator

Date form received by agency: 03/31/1992
Site name: SAFETY-KLEEEN CORP.
Classification: Small Quantity Generator

Date form received by agency: 04/12/1990
Site name: SAFETY-KLEEN CORP (7 178 03)
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SAFETY KLEEN CORP 7 178 03
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 12/15/1989
Event: CMS Imposition

Event date: 12/15/1989
Event: RFI Imposition

Event date: 09/17/1990
Event: RFA Completed, Assessment was an RFA.

Event date: 09/17/1990
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/17/1990
Event: RFA Completed

Event date: 03/15/1991
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Event date: 07/24/1991
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 07/24/1991
Event: CA029WQ

Event date: 07/24/1991
Event: CA049PA

Event date: 11/11/1991
Event: Stabilization Construction Completed

Event date: 01/13/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 03/31/1992
Event: RFI Workplan Approved

Event date: 09/30/1992
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 09/30/1992
Event: Stabilization Measures Evaluation,This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 09/30/1992
Event: Stabilization Measures Evaluation,This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 08/20/1993
Event: RFI Report Received

Event date: 08/29/1994
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 11/24/1997
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 11/24/1997
Event: CA Responsibility Referred To A Non-RCRA Federal Authority

Event date: 11/24/1997
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.

Event date: 11/24/1997
Event: Current Human Exposures under Control, More information is needed to make a determination.

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Event date: 11/09/2000
Event: Current Human Exposures under Control, More information is needed to make a determination.

Event date: 11/09/2000
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event date: 01/23/2001
Event: Current Human Exposures under Control, More information is needed to make a determination.

Event date: 01/23/2001
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event date: 09/25/2002
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/25/2002
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/25/2002
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/25/2002
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Event date: 02/24/2010
Event: CA550RC

Event date: 02/24/2010
Event: CA550RC

Event date: Not reported
Event: CA03193

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 07/11/2006
Date achieved compliance: 08/09/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 05/30/2006
Date achieved compliance: 11/17/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/09/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/30/2006
Date achieved compliance: 11/17/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/09/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 05/20/2003
Date achieved compliance: 05/21/2003
Violation lead agency: State

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/25/2002
Date achieved compliance: 04/07/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/25/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - Manifest and Recordkeeping
Date violation determined: 06/25/2002
Date achieved compliance: 04/07/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/25/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/22/2000
Date achieved compliance: 04/07/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 12/22/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 12/22/2000
Date achieved compliance: 04/07/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Enforcement action date: 12/22/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 12/22/2000
Date achieved compliance: 12/22/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/22/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 05/16/2000
Date achieved compliance: 04/07/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/16/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 09/26/1991
Date achieved compliance: 11/09/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/15/1990
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/20/1991

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/15/1990
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 04/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/15/1990
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/30/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/11/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/29/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 03/29/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/29/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 03/29/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/31/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 05/10/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 03/24/1989
Date achieved compliance: 11/01/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/11/1988
Date achieved compliance: 11/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/11/1988
Date achieved compliance: 11/15/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 07/06/1988
Date achieved compliance: 11/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/26/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/11/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/09/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/17/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 11/17/2006
Evaluation lead agency: State

Evaluation date: 10/18/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/09/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/21/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/20/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/21/2003
Evaluation lead agency: State

Evaluation date: 04/07/2003
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - Manifest and Recordkeeping
Date achieved compliance: 04/07/2003
Evaluation lead agency: State

Evaluation date: 06/25/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/07/2003
Evaluation lead agency: State

Evaluation date: 12/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 04/07/2003
Evaluation lead agency: State

Evaluation date: 12/22/2000

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/22/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 12/22/2000
Evaluation lead agency: State

Evaluation date: 05/16/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/07/2003
Evaluation lead agency: State

Evaluation date: 10/16/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/13/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/05/1995
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/27/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/27/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/09/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/01/1992
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/09/1992
Evaluation lead agency: EPA

Evaluation date: 10/15/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/01/1992
Evaluation lead agency: State

Evaluation date: 10/15/1990
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/09/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/03/1990
Evaluation lead agency: State

Evaluation date: 03/29/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/03/1990
Evaluation lead agency: State

Evaluation date: 03/31/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/01/1992
Evaluation lead agency: State

Evaluation date: 03/24/1989

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/01/1992
Evaluation lead agency: State

Evaluation date: 03/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/01/1992
Evaluation lead agency: State

Evaluation date: 03/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 11/01/1992
Evaluation lead agency: State

Evaluation date: 07/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/15/1988
Evaluation lead agency: State

Evaluation date: 07/06/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/15/1988
Evaluation lead agency: State

ENVIROSTOR:
Facility ID: 80001786
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: 200192
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB
Lead Agency: WQC
Program Manager: Not reported
Supervisor: Rizgar Ghazi
Division Branch: Cleanup Sacramento
Assembly: 04
Senate: 03
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.35413
Longitude: -122.7124
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Safety Kleen
Alias Type: Alternate Name

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Alias Name: CAT000613943
Alias Type: EPA Identification Number
Alias Name: 110000621408
Alias Type: EPA (FRS #)
Alias Name: 200192
Alias Type: Project Code (Site Code)
Alias Name: 49280011
Alias Type: Envirostor ID Number
Alias Name: 80001786
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/17/1990
Comments: RCRA Facility Assessment Completed, RFA report dated 9/1990

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 11/09/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 02/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 11/11/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 03/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 03/15/1991
Comments: Replacement Plan for Underground Storage Tank System

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/24/1991

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2012
Comments: Not reviewed and no letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2012
Comments: Not reviewed and no letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2013
Comments: Not reviewed and no letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 11/09/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 11/24/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/15/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/25/2002
Comments: Not reported

Future Area Name: Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 49280011
Status: Refer: RWQCB
Status Date: 07/01/2010
Site Code: 200192
Site Type: Historical
Site Type Detailed: * Historical
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 1 - North Coast
Lead Agency: RWQCB 1 - North Coast,SMBRP
Program Manager: Not reported
Supervisor: Rizgar Ghazi
Division Branch: Cleanup Berkeley
Assembly: 04
Senate: 03
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.35572
Longitude: -122.7108
APN: 143-490-025
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Safety Kleen
Alias Type: Alternate Name
Alias Name: 143-490-025
Alias Type: APN
Alias Name: CAT000613943
Alias Type: EPA Identification Number
Alias Name: 110000621408
Alias Type: EPA (FRS #)
Alias Name: 200192
Alias Type: Project Code (Site Code)
Alias Name: 49280011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/12/1988
Comments: SITE SCREENING DONE NO PROBLEMS OBSV ON DB

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Completed Date: 03/16/1988
Comments: FACILITY IDENTIFIED SONOMA CNTY EH - SOLVENTS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Region: STATE
Global Id: T0609791162
Latitude: 38.355707713266
Longitude: -122.71121263504
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/24/2011
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: ZZZ
Local Agency: SONOMA COUNTY
RB Case Number: 1TSO246
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Well used for drinking water supply
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Stoddard solvent / Mineral Spriits / Distillates
Site History: PLEASE SEE SAFETY KLEEN FILE CASE # 1NSO246 FOR INFORMATION CONCERNING THE INVESTIGATION AND REMEDIATION OF THIS FACILITY.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609791162
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Status History:
Global Id: T0609791162
Status: Open - Case Begin Date
Status Date: 03/01/1989

Global Id: T0609791162
Status: Open - Site Assessment
Status Date: 03/01/1989

Global Id: T0609791162
Status: Open - Site Assessment

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Status Date: 03/14/1989

Global Id: T0609791162
Status: Open - Site Assessment
Status Date: 08/15/1994

Global Id: T0609791162
Status: Open - Site Assessment
Status Date: 05/05/1997

Global Id: T0609791162
Status: Open - Site Assessment
Status Date: 08/29/2002

Global Id: T0609791162
Status: Open - Remediation
Status Date: 02/03/2009

Global Id: T0609791162
Status: Open - Verification Monitoring
Status Date: 01/01/2011

Global Id: T0609791162
Status: Completed - Case Closed
Status Date: 03/24/2011

Regulatory Activities:
Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 03/12/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 11/01/2010
Action: Staff Letter

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 06/01/2009
Action: Staff Letter

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 06/20/2003
Action: Notice of Reimbursement - #Annual

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 07/11/2002
Action: Staff Letter

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 03/26/2002
Action: Meeting

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 03/26/2002
Action: Staff Letter

Global Id: T0609791162
Action Type: Other
Date: 03/09/1989
Action: Leak Reported

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 05/14/2004
Action: Staff Letter

Global Id: T0609791162
Action Type: REMEDIATION
Date: 03/09/1989
Action: Other (Use Description Field)

Global Id: T0609791162
Action Type: REMEDIATION
Date: 03/09/1989
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609791162
Action Type: REMEDIATION
Date: 03/09/1989
Action: Other (Use Description Field)

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 06/08/2010
Action: Staff Letter

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 03/24/2011
Action: Staff Letter

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 09/07/2010
Action: File review

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 01/12/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 02/03/2011
Action: Notification - Public Notice of Case Closure

Global Id: T0609791162
Action Type: ENFORCEMENT

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Date: 03/27/2002
Action: Staff Letter

Global Id: T0609791162
Action Type: Other
Date: 03/09/1989
Action: Leak Discovery

Global Id: T0609791162
Action Type: RESPONSE
Date: 08/01/2005
Action: Other Report / Document

Global Id: T0609791162
Action Type: ENFORCEMENT
Date: 05/03/2012
Action: Staff Letter

Global Id: T0609791162
Action Type: RESPONSE
Date: 02/14/2011
Action: Other Report / Document

LUST REG 1:
Region: 1
Facility ID: 1TSO246
Staff Initials: BAR

SLIC:
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 09/20/2007
Global Id: T0609700186
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 38.355690906
Longitude: -122.711298048
Case Type: Cleanup Program Site
Case Worker: JBL
Local Agency: SONOMA COUNTY
RB Case Number: 1NSO246
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Stoddard solvent / Mineral Spriits / Distillates
Site History: Hazardous materials stored on-site and facility operates under RCRA. Two areas of contamination: Solvent plume and petroleum plume. Petroleum related to former USTs, which were removed in 2007. Extent of contamination defined. Installation and operation of a dual phase extraction system pending.

Click here to access the California GeoTracker records for this facility:

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

SWEEPS UST:

Status:	Active
Comp Number:	1361
Number:	1
Board Of Equalization:	44-009069
Referral Date:	04-16-91
Action Date:	03-10-93
Created Date:	03-31-89
Owner Tank Id:	1
SWRCB Tank Id:	49-000-001361-000001
Tank Status:	A
Capacity:	12000
Active Date:	04-16-91
Tank Use:	CHEMICAL
STG:	P
Content:	SAFETY KLEEN
Number Of Tanks:	2

Status:	Active
Comp Number:	1361
Number:	1
Board Of Equalization:	44-009069
Referral Date:	04-16-91
Action Date:	03-10-93
Created Date:	03-31-89
Owner Tank Id:	2
SWRCB Tank Id:	49-000-001361-000002
Tank Status:	A
Capacity:	12000
Active Date:	04-16-91
Tank Use:	CHEMICAL
STG:	W
Content:	SPENT 105 SO
Number Of Tanks:	Not reported

HIST UST:

File Number:	000216C4
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216C4.pdf
Region:	STATE
Facility ID:	00000002688
Facility Type:	Other
Other Type:	PARTS WASHER SERVICE
Contact Name:	WILLIAM SCHLANDER
Telephone:	3126978460
Owner Name:	SAFETY-KLEEN CORP.
Owner Address:	655 BIG TIMBER ROAD
Owner City,St,Zip:	ELGIN, IL 60120
Total Tanks:	0002

Tank Num:	001
Container Num:	01
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	.25

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	02
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	.25
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:

OES Incident Number:	8-3020
OES notification:	07/01/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Safety Clean Corperation
Incident Date:	7/1/199812:00:00 AM
Admin Agency:	Sonoma County Fire Services Department

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	diesel fuel
Gallons:	60-75
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A fuel line on a truck ruptured. The release has been stopped. Contained to the trucking facility. Contaminated soil has been removed.

US FIN ASSUR:

EPA ID:	CAT000613943
Provider:	INDIAN HARBOR INS. CO.
EPA region:	9
County:	Not reported
Mechanism type:	INSURANCE
Mechanism ID:	PEC000707308
Cost estimate:	99
Face value:	99
Effective date:	2009-11-17 00:00:00

EPA ID:	CAT000613943
Provider:	INDIAN HARBOR INS. CO.
EPA region:	9
County:	Not reported
Mechanism type:	INSURANCE
Mechanism ID:	PEC000707309
Cost estimate:	170237
Face value:	170237
Effective date:	2010-11-17 00:00:00

EPA ID:	CAT000613943
Provider:	GREENWICH INS. CO.
EPA region:	9
County:	Not reported
Mechanism type:	INSURANCE
Mechanism ID:	PEC002102005
Cost estimate:	2000000
Face value:	2000000
Effective date:	2011-09-01 00:00:00

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

2020 COR ACTION:
EPA ID: CAT000613943
Region: 9
Action: Not reported

CUPA SONOMA:
Facility ID: 49-000-000086
Permit: 86
Type: Hazardous Waste
HMBP: True
UST: True
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: LQG 25 to
CERS ID: 10100896
Experation Date: 06/17/2014

Facility ID: 49-000-000086
Permit: 86
Type: HMBP
HMBP: True
UST: True
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Range 5
CERS ID: 10100896
Experation Date: 06/17/2014

Facility ID: 49-000-000086
Permit: Not reported
Type: UST
HMBP: Not reported
UST: Not reported
HWG: Not reported
calarp: Not reported
AST: Not reported
HW Treatment: Not reported
Fee Schedule: Not reported
CERS ID: 10100896
Experation Date: 06/17/2014

ENF:
Region: 1
Facility Id: 255028
Agency Name: Not reported
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.354280
Place Longitude: -122.712453

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224408
Region:	1
Order / Resolution Number:	89-161
Enforcement Action Type:	Clean-up and Abatement Order

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Effective Date:	12/15/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/28/1995
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	GROUNDWATER HAS ADVERSELY AFFECTED BENEFICIAL USES. CLEANUP & ABATE THIS THREAT TO GROUNDWATER.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224407
Region:	1
Order / Resolution Number:	LT900917
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/17/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/04/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING INFORMATION AS STATED IN LETTER BE SUBMITTED AND ALSO WORKPLANS.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Direction/Voice:	Not reported
Enforcement Id(EID):	224395
Region:	1
Order / Resolution Number:	LT910304
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	03/04/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/05/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING SUBMITTAL OF TIME SCHEDULE FOR REPLACE OF UGT.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224394
Region:	1
Order / Resolution Number:	LT910605
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/05/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/22/1991
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING SUBMITTAL OF WORKPLAN.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	1
Facility Id:	255028

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224393
Region:	1
Order / Resolution Number:	LT910822
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/22/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/10/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	GRANTING EXTENSION FOR SUBMITTAL OF PLANS.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224392
Region:	1
Order / Resolution Number:	LT920610
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/10/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/19/1994
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING SUBMITTAL OF INFORMATION AS OUTLINED IN THE LETTER.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Total $ Paid/Completed Amount:	0
Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224391
Region:	1
Order / Resolution Number:	LT940819
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/19/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/28/1995
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING SUBMITTAL OF WORKPLAN.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	1
Facility Id:	255028
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.354280
Place Longitude:	-122.712453
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	224389
Region:	1
Order / Resolution Number:	LT961118
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/18/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/18/1996
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SO246NUG Safety Kleen Corporation
Description:	REQUESTING SUBMITTAL OF REMEDIAL ACTION WORKPLAN.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Project $ Amount: 0
Liability $ Paid: 0
Project $ Completed: 0
Total $ Paid/Completed Amount: 0

CA Financial Assurance 1:
EPA ID Number: CAT000613943/80001786
Sudden Amount1: $2,000,000.00
Non Sudden Amount1: Not reported
Closure Mechanism: Not reported
Closure Amount: Not reported
Post Closure Mechanism: Not reported
Post Closure Amount: Not reported
Corrective Action Mechanism: Ins.
Corrective Action Amount: $183,930.00
Sudden Mechanism Type: Ins.
Sudden Mechanism Amount: $1,000,000.00
Non Sudden Mechanism Type: Not reported
Non Sudden Mechanism Amount: Not reported
O and M Mechanism Type: Not reported
O and M Amount: Not reported

ICE:
Envirostor ID: 3001180
EPA ID: CAT000613943
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/30/2006
Violation Class: Minor
RTC Date: 11/17/2006

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/25/2002
Violation Class: Class 1
RTC Date: 04/07/2003

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/11/2006
Violation Class: Minor
RTC Date: 08/09/2006

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/21/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/16/2000
Violation Class: Class 2

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

RTC Date: 04/07/2003

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/25/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/20/2003
Violation Class: Minor
RTC Date: 05/21/2003

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/22/2000
Violation Class: Class 1, Minor
RTC Date: 04/07/2003

Action Type: Compliance Evaluation Inspection - Generator
Action Date: 10/27/2008
Violation Class: No Violations
RTC Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO246

HWP:
EPA Id: CAT000613943
Cleanup Status: CLOSED
Latitude: 38.35413
Longitude: -122.7124
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 200192
Assembly District: 04
Senate District: 03
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Renewal - Historical - CALL-IN LETTER ISSUED
Actual Date: 12/15/2004

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 09/17/1994

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/19/1991

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Renewal - Historical - TECHNICAL COMPLETE LETTER
Actual Date: 02/28/2006

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 01/29/1986

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 07/19/1991

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 06/01/1988

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 09/07/1990

Closure:
EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 10/26/2007

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 08/03/2007

Alias:
EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000621408

EPA Id: CAT000613943

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 200192

EPA Id: CAT000613943
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 49280011

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	1
Regulatory Measure Id:	178800
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	1 49I001849
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	9/30/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	3/30/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	10/7/2013
PLACE SIZE:	1
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	John Meyer
FACILITY CONTACT TITLE:	Branch Manager
FACILITY CONTACT PHONE:	707-584-0415
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	john.meyer@safety-kleen.com
OPERATOR NAME:	Safety Kleen Systems
OPERATOR ADDRESS:	5750 Commerce Blvd
OPERATOR CITY:	Rohnert Park
OPERATOR STATE:	California
OPERATOR ZIP:	94928
OPERATOR CONTACT NAME:	John Meyer
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	707-584-0415
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	john.meyer@safety-kleen.com
OPERATOR TYPE:	Other
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	707-584-0415
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Laguna Des Santa Rosa
CERTIFIER NAME:	Kimberly Devlin
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	24-JUN-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	1 49I001849
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	1
Facility Telephone:	Not reported
Facility Contact:	REG ENV MANAGER
Agency Name:	SAFETY KLEEN CORPORATION
Agency Address:	2720 GIRARD NE
Agency City,St,Zip:	ALBUQUERAUE 0
Agency Contact:	MARTY WHITE
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	7389
SIC Code 2:	Not reported
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants

SAFETY-KLEEN SYSTEMS, INC. (Continued) **1000224434**

or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

L55 **SAFETY KLEEN CORPORATION** **SLIC 1005985074**
East **5750 COMMERCE BOULEVARD** **EMI N/A**
1/4-1/2 **ROHNERT PARK, CA 0**
0.385 mi.
2035 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
100 ft.

SLIC REG 1:
Region: 1
Facility ID: 1NSO246
Staff Initials: BAR

EMI:
Year: 1987
County Code: 49
Air Basin: SF
Facility ID: 2822
Air District Name: BA
SIC Code: 5172
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 49
Air Basin: SF
Facility ID: 2822
Air District Name: BA
SIC Code: 5172

SAFETY KLEEN CORPORATION (Continued) **1005985074**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	5172
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1996
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	5172
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	5172
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0

SAFETY KLEEN CORPORATION (Continued) **1005985074**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1998
County Code: 49
Air Basin: SF
Facility ID: 2822
Air District Name: BA
SIC Code: 5172
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1999
County Code: 49
Air Basin: SF
Facility ID: 2822
Air District Name: BA
SIC Code: 7380
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2000
County Code: 49
Air Basin: SF
Facility ID: 2822
Air District Name: BA
SIC Code: 7380
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2001

SAFETY KLEEN CORPORATION (Continued) **1005985074**

County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.694
Reactive Organic Gases Tons/Yr:	0.6198556
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD

SAFETY KLEEN CORPORATION (Continued) **1005985074**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.694
Reactive Organic Gases Tons/Yr:	.6198556
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.695
Reactive Organic Gases Tons/Yr:	.6205542
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	2822
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.695
Reactive Organic Gases Tons/Yr:	.6205542
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

M56 **CASTINO RESTAURANT SUPPLY** **LUST** **S104162596**
NE **50 UTILITY CT** **HIST UST** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **HIST CORTESE**
0.399 mi.
2107 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
97 ft.

LUST:

Region:	STATE
Global Id:	T0609700042
Latitude:	38.360539
Longitude:	-122.711261
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/14/1998

CASTINO RESTAURANT SUPPLY (Continued) **S104162596**

Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO066
LOC Case Number:	00001557
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700042
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700042
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700042
Status:	Open - Remediation
Status Date:	01/03/1965

Global Id:	T0609700042
Status:	Open - Case Begin Date
Status Date:	12/16/1986

Global Id:	T0609700042
Status:	Open - Site Assessment
Status Date:	05/14/1990

Global Id:	T0609700042
Status:	Completed - Case Closed
Status Date:	10/14/1998

Regulatory Activities:

Global Id:	T0609700042
Action Type:	Other
Date:	01/02/1965
Action:	Leak Reported

Global Id:	T0609700042
Action Type:	REMEDIATION
Date:	07/22/1998

CASTINO RESTAURANT SUPPLY (Continued) **S104162596**

Action: Excavation

Global Id: T0609700042
Action Type: Other
Date: 12/16/1986
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO066
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO066
Closed or Referred: Y
Confirm Date: 10/14/1998
LOP Number: 00001557
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700042

HIST UST:
File Number: 000216D7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216D7.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO066

N57 **PORTER, KEN** **SLIC** **S101669433**
NNE **REDWOOD DR /WILFRED** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.418 mi.
2207 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
95 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/13/2007
Global Id:	T0609793247
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number:	Not reported
Latitude:	38.362475
Longitude:	-122.715188
Case Type:	Cleanup Program Site
Case Worker:	ZZZ
Local Agency:	SONOMA COUNTY
RB Case Number:	1NSO438
File Location:	Regional Board
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	* Petroleum - Other
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 1:

Region:	1
Facility ID:	1NSO438
Staff Initials:	BML

O58 **PROAPS PROPERTIES** **LUST** **S101304884**
East **5531 STATE FARM DRIVE** **HIST UST** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94929** **HIST CORTESE**
0.427 mi.
2254 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
101 ft.

LUST:

Region:	STATE
Global Id:	T0609700090
Latitude:	38.357115867
Longitude:	-122.710116788
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/10/2009
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO120
LOC Case Number:	00001675
File Location:	Local Agency Warehouse
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline, Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700090
Contact Type:	Regional Board Caseworker

PROAPS PROPERTIES (Continued) **S101304884**

Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700090
Status: Open - Case Begin Date
Status Date: 07/29/1986

Global Id: T0609700090
Status: Open - Site Assessment
Status Date: 10/08/1987

Global Id: T0609700090
Status: Open - Remediation
Status Date: 01/05/2002

Global Id: T0609700090
Status: Open - Remediation
Status Date: 06/21/2004

Global Id: T0609700090
Status: Open - Verification Monitoring
Status Date: 08/12/2008

Global Id: T0609700090
Status: Completed - Case Closed
Status Date: 07/10/2009

Regulatory Activities:
Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 04/06/2009
Action: Site Visit / Inspection / Sampling - #none

Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 02/20/2009
Action: Staff Letter - #none

Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 04/01/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 01/16/2009
Action: LOP Case Closure Summary to RB

Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 07/10/2009

PROAPS PROPERTIES (Continued) **S101304884**

Action: Closure/No Further Action Letter

Global Id: T0609700090
Action Type: ENFORCEMENT
Date: 01/16/2009
Action: Notification - Public Participation Document

Global Id: T0609700090
Action Type: Other
Date: 07/29/1986
Action: Leak Reported

Global Id: T0609700090
Action Type: REMEDIATION
Date: 04/05/2000
Action: Excavation

Global Id: T0609700090
Action Type: RESPONSE
Date: 05/21/2009
Action: Well Destruction Report

Global Id: T0609700090
Action Type: RESPONSE
Date: 01/21/2009
Action: Correspondence

Global Id: T0609700090
Action Type: Other
Date: 07/29/1986
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO120
Staff Initials: HAZ

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO120
Closed or Referred: Y
Confirm Date: 07/10/2009
LOP Number: 00001675
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700090

HIST UST:
File Number: 00021B04
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021B04.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported

PROAPS PROPERTIES (Continued) **S101304884**

Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO120

O59 **BLAKE'S AUTO BODY INC** **LUST** **S100236147**
East **5500 STATE FARM DRIVE** **CUPA Listings** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **EMI**
0.437 mi. **HIST CORTESE**
2309 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
101 ft.

LUST:

Region:	STATE
Global Id:	T0609700101
Latitude:	38.357789957
Longitude:	-122.709761252
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/27/2006
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO132
LOC Case Number:	00002502
File Location:	Local Agency Warehouse
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700101
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

BLAKE'S AUTO BODY INC (Continued) **S100236147**

Global Id: T0609700101
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700101
Status: Open - Case Begin Date
Status Date: 08/03/1987

Global Id: T0609700101
Status: Open - Site Assessment
Status Date: 05/11/1988

Global Id: T0609700101
Status: Open - Site Assessment
Status Date: 08/22/1994

Global Id: T0609700101
Status: Open - Verification Monitoring
Status Date: 07/20/2000

Global Id: T0609700101
Status: Completed - Case Closed
Status Date: 01/27/2006

Regulatory Activities:
Global Id: T0609700101
Action Type: Other
Date: 08/03/1987
Action: Leak Stopped

Global Id: T0609700101
Action Type: Other
Date: 08/07/1987
Action: Leak Reported

Global Id: T0609700101
Action Type: REMEDIATION
Date: 08/06/1987
Action: Excavation

Global Id: T0609700101
Action Type: ENFORCEMENT
Date: 01/27/2006
Action: Closure/No Further Action Letter

Global Id: T0609700101
Action Type: ENFORCEMENT
Date: 12/29/2004
Action: LOP Case Closure Summary to RB

BLAKE'S AUTO BODY INC (Continued) **S100236147**

Global Id: T0609700101
Action Type: Other
Date: 08/03/1987
Action: Leak Discovery

Global Id: T0609700101
Action Type: ENFORCEMENT
Date: 08/07/1987
Action: Notification - Proposition 65

LUST REG 1:
Region: 1
Facility ID: 1TSO132
Staff Initials: HAZ

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO132
Closed or Referred: Y
Confirm Date: 01/27/2006
LOP Number: 00002502
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700101

CUPA SONOMA:
Facility ID: 49-000-005896
Permit: 5896
Type: HMBP
HMBP: True
UST: False
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: Range 2
CERS ID: 10108000
Experation Date: 01/13/2019

Facility ID: 49-000-005896
Permit: 5896
Type: Hazardous Waste
HMBP: True
UST: False
HWG: True
calarp: False
AST: False
HW Treatment: False
Fee Schedule: SQG < 325 gallons/year
CERS ID: 10108000
Experation Date: 01/13/2019

EMI:
Year: 2003

BLAKE'S AUTO BODY INC (Continued) **S100236147**

County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.612
Reactive Organic Gases Tons/Yr:	1.3628736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.612
Reactive Organic Gases Tons/Yr:	1.3628736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD

BLAKE'S AUTO BODY INC (Continued) **S100236147**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.612
Reactive Organic Gases Tons/Yr:	1.3628736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.612
Reactive Organic Gases Tons/Yr:	1.3628736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.612
Reactive Organic Gases Tons/Yr:	1.3628736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.74399999999999999
Reactive Organic Gases Tons/Yr:	0.68435060000000003
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

BLAKE'S AUTO BODY INC (Continued) **S100236147**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2010
County Code: 49
Air Basin: SF
Facility ID: 12681
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.74399999999999999
Reactive Organic Gases Tons/Yr: 0.68435060000000003
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2011
County Code: 49
Air Basin: SF
Facility ID: 12681
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.744
Reactive Organic Gases Tons/Yr: 0.6843506
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2012
County Code: 49
Air Basin: SF
Facility ID: 12681
Air District Name: BA
SIC Code: 7532
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.744
Reactive Organic Gases Tons/Yr: 0.6843506
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2013
County Code: 49

BLAKE'S AUTO BODY INC (Continued) **S100236147**

Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.744
Reactive Organic Gases Tons/Yr:	0.6843506
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	49
Air Basin:	SF
Facility ID:	12681
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.042703388
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO132

M60 **CALIFORNIA SHINGLE AND SHAKE** **LUST** **S103890449**
NE **UTILITY COURT 156** **N/A**
1/4-1/2 **ROHNERT PARK, CA**
0.438 mi.
2314 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
97 ft.

LUST REG 1:

Region:	1
Facility ID:	1TSO735
Staff Initials:	HAZ

N61 **ROHNERT PARK SHELL** **LUST** **S103557298**
NNE **5060 REDWOOD DR** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.451 mi.
2382 ft. **Site 2 of 3 in cluster N**

Relative:
Higher

Actual:
95 ft.

LUST:

Region:	STATE
Global Id:	T0609700477
Latitude:	38.363522967
Longitude:	-122.714309331
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/10/2016
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO667
LOC Case Number:	00002745
File Location:	Local Agency Warehouse
Potential Media Affect:	Well used for drinking water supply
Potential Contaminants of Concern:	MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History:	Site was entered into the LOP due to contamintion present in sumps during 1998 updgrade. Groundwater extraction occured on an interim basis from 6/19/01 through 12/27/01. 15318 gallons of groundwater was removed and 3.53 lbs of MTBE was removed. A groundwater extraction system was installed and ran from 7/1/03 through 2/19/09. 11,578,064 gallons of groundwater was removed and 123 lbs of MTBE was removed. On 11/10/2009 the UST system removed by Shell (CRA, 2/5/10). The site was entered into the LOP due to detections in sump samples during a 1998 upgrade. 19 Monitoring Wells and 5 Extraction Wells have been installed. One monitoring well has been destroyed. Groundwater extraction occurred on an interim basis from 6/19/01 through 12/27/01 extracting 15, 318 gallons of groundwater removing approximately 3.53 lbs of MTBE. A groundwater extraction system was installed and extraction occurred from 7/1/03 through 2/19/09 extracting 11,578,064 gallons of groundwater removing approximately 123 lbs of MTBE. Domestic wells at 80 Wilfred, 104 Wilfred, 109 Wilfred, 4651 Willis, 4655 Willis and City of Rohnert Park well #15 were all sampled during the course of the investigation. The 80 Wilfred and 104 Wilfred Avenue wells had occasional detections of MTBE and were treated with carbon filter systems and routinely sampled pre, mid and post filtration. The last detections of MTBE occurred in 2007. The domestic wells at 80 Wilfred, 104 Wilfred and 4651 Willis have been destroyed. The domestic well at 109 Wilfred had a one-time detection of TBA in April 2008 and is considered anomalous. The well at 109 Wilfred is greater than 1000 from the groundwater plume. The well at 4655 Willis is approximately 815 from the groundwater plume. Site Management Requirements: Contingency planning is required for worker safety and waste disposal if excavating in areas of residual contamination. The Building Department has been notified. Newly proposed water supply wells may require siting and design by a qualified professional engineer or geologist. Sonoma County Permit and Resource Management Department has been notified. The site meets the Low Threat Closure Policy as follows: All General Criteria are met. Groundwater Specific Criteria is met by criteria 5a. Vapor Intrusion to Indoor Air Criteria is met by the exemption as the site is an active commercial fueling facility. Direct Contact and Outdoor Air Exposure Criteria is met by criteria 3a. Site closed 6/10/16.

ROHNERT PARK SHELL (Continued) **S103557298**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0609700477
Status:	Open - Case Begin Date
Status Date:	04/13/1998
Global Id:	T0609700477
Status:	Open - Site Assessment
Status Date:	11/12/1998
Global Id:	T0609700477
Status:	Open - Remediation
Status Date:	06/19/2001
Global Id:	T0609700477
Status:	Open - Site Assessment
Status Date:	02/20/2002
Global Id:	T0609700477
Status:	Open - Remediation
Status Date:	07/01/2003
Global Id:	T0609700477
Status:	Open - Verification Monitoring
Status Date:	03/06/2013
Global Id:	T0609700477
Status:	Open - Eligible for Closure
Status Date:	07/22/2015
Global Id:	T0609700477
Status:	Completed - Case Closed
Status Date:	06/10/2016

Regulatory Activities:

Global Id:	T0609700477
Action Type:	ENFORCEMENT
Date:	01/29/2013
Action:	Staff Letter
Global Id:	T0609700477
Action Type:	RESPONSE
Date:	01/31/2003
Action:	Interim Remedial Action Report
Global Id:	T0609700477
Action Type:	RESPONSE
Date:	06/28/2002
Action:	Soil and Water Investigation Report
Global Id:	T0609700477
Action Type:	RESPONSE
Date:	05/25/2016
Action:	Well Destruction Report

ROHNERT PARK SHELL (Continued) **S103557298**

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 02/19/2009
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/31/2009
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 01/16/2013
Action: Staff Letter

Global Id: T0609700477
Action Type: Other
Date: 04/03/1998
Action: Leak Stopped

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 04/14/2009
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 08/12/2009
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: LOP Case Closure Summary to RB

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: Notification - Public Notice of Case Closure

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: RESPONSE
Date: 11/12/2012
Action: Soil and Water Investigation Report

Global Id: T0609700477
Action Type: RESPONSE
Date: 12/17/2010
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0609700477
Action Type: RESPONSE

ROHNERT PARK SHELL (Continued) **S103557298**

Date: 05/15/2013
Action: Well Installation Workplan - Regulator Responded

Global Id: T0609700477
Action Type: RESPONSE
Date: 05/13/2013
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 04/28/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 03/27/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 08/12/2014
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/17/2014
Action: Staff Letter

Global Id: T0609700477
Action Type: Other
Date: 04/09/1998
Action: Leak Reported

Global Id: T0609700477
Action Type: RESPONSE
Date: 03/19/2015
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700477
Action Type: RESPONSE
Date: 07/29/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700477
Action Type: RESPONSE
Date: 01/07/2015
Action: Request for Closure - Regulator Responded

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/22/2015
Action: Staff Letter

ROHNERT PARK SHELL (Continued) **S103557298**

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 02/24/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: RESPONSE
Date: 11/12/2015
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/11/2002
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 02/20/2002
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 01/05/2006
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 06/21/2010
Action: Notice of Responsibility

Global Id: T0609700477
Action Type: RESPONSE
Date: 12/01/2008
Action: Soil and Water Investigation Report

Global Id: T0609700477
Action Type: REMEDIATION
Date: 06/19/2001
Action: Pump & Treat (P&T) Groundwater

Global Id: T0609700477
Action Type: REMEDIATION
Date: 07/01/2003
Action: Pump & Treat (P&T) Groundwater

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 02/17/2011
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 06/10/2016
Action: Closure/No Further Action Letter

Global Id: T0609700477
Action Type: ENFORCEMENT

ROHNERT PARK SHELL (Continued) **S103557298**

Date: 10/15/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: RESPONSE
Date: 06/30/2009
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0609700477
Action Type: RESPONSE
Date: 01/09/2015
Action: Risk Assessment Report

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 11/25/2015
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 02/16/2016
Action: Email Correspondence

Global Id: T0609700477
Action Type: RESPONSE
Date: 06/07/2002
Action: Interim Remedial Action Plan

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 03/05/2008
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 06/30/1998
Action: Notice of Responsibility

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 05/02/2002
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 07/21/2003
Action: Staff Letter

Global Id: T0609700477
Action Type: ENFORCEMENT
Date: 09/12/2012
Action: Staff Letter

Global Id: T0609700477
Action Type: Other
Date: 04/08/1998
Action: Leak Discovery

ROHNERT PARK SHELL (Continued) **S103557298**

SONOMA CO. LUST:
- Region: SONOMA
- Regional Board: 1TSO667
- Closed or Referred: Y
- Confirm Date: 06/10/2016
- LOP Number: 00002745
- Staff: Not reported
- Decode of Staff: Not reported
- Global ID: T0609700477

N62 **SHELL (RED DR)** **CUPA Listings** **S105126361**
NNE **5060 REDWOOD** **HIST CORTESE** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.451 mi.
2382 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
95 ft.

CUPA SONOMA:

Facility ID:	49-000-007850
Permit:	7850
Type:	UST
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Permit to Operate - 3 tanks
CERS ID:	10134115
Experation Date:	02/23/2015

Facility ID:	49-000-007850
Permit:	7850
Type:	Hazardous Waste
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	SQG < 325 gallons/year
CERS ID:	10134115
Experation Date:	02/23/2015

Facility ID:	49-000-007850
Permit:	7850
Type:	HMBP
HMBP:	True
UST:	True
HWG:	True
calarp:	False
AST:	False
HW Treatment:	False
Fee Schedule:	Range 4
CERS ID:	10134115
Experation Date:	02/23/2015

SHELL (RED DR) (Continued) **S105126361**

HIST CORTESE:
- Region: CORTESE
- Facility County Code: Not reported
- Reg By: Not reported
- Reg Id: Not reported

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63 **CALIFORNIA SHAKE/SHINGLE** **LUST** **S101309788**
ENE **156 UTILITY CT** **HIST UST** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928** **HIST CORTESE**
0.468 mi.
2472 ft.

Relative:
Higher

Actual:
98 ft.

LUST:
- Region: STATE
- Global Id: T0609700365
- Latitude: 38.360583
- Longitude: -122.710109
- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 03/20/1996
- Lead Agency: SONOMA COUNTY LOP
- Case Worker: LCW
- Local Agency: SONOMA COUNTY LOP
- RB Case Number: 1TSO519
- LOC Case Number: 00001064
- File Location: All Files are on GeoTracker or in the Local Agency Database
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: Diesel, Gasoline
- Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
- Global Id: T0609700365
- Contact Type: Local Agency Caseworker
- Contact Name: LOP CLOSED IN RB01
- Organization Name: SONOMA COUNTY LOP
- Address: 625 FIFTH STREET
- City: SANTA ROSA
- Email: Not reported
- Phone Number: Not reported

- Global Id: T0609700365
- Contact Type: Regional Board Caseworker
- Contact Name: SONOMA COUNTY LOP CLOSED SITE
- Organization Name: NORTH COAST RWQCB (REGION 1)
- Address: 5550 SKYLANE BOULEVARD, SUITE A
- City: SANTA ROSA
- Email: Not reported
- Phone Number: 7075656565

Status History:
- Global Id: T0609700365
- Status: Open - Remediation
- Status Date: 01/03/1965

- Global Id: T0609700365

CALIFORNIA SHAKE/SHINGLE (Continued) **S101309788**

Status: Open - Case Begin Date
Status Date: 06/26/1992

Global Id: T0609700365
Status: Open - Site Assessment
Status Date: 02/16/1993

Global Id: T0609700365
Status: Completed - Case Closed
Status Date: 03/20/1996

Regulatory Activities:
Global Id: T0609700365
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700365
Action Type: REMEDIATION
Date: 02/28/1996
Action: Excavation

Global Id: T0609700365
Action Type: Other
Date: 06/26/1992
Action: Leak Discovery

Region: STATE
Global Id: T0609700511
Latitude: 38.360583
Longitude: -122.710109
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/18/2001
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO735
LOC Case Number: 00023806
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609700511
Contact Type: Local Agency Caseworker
Contact Name: LOP CLOSED IN RB01
Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

CALIFORNIA SHAKE/SHINGLE (Continued) **S101309788**

Global Id: T0609700511
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700511
Status: Open - Remediation
Status Date: 01/03/1965

Global Id: T0609700511
Status: Open - Case Begin Date
Status Date: 01/04/1999

Global Id: T0609700511
Status: Open - Site Assessment
Status Date: 05/30/2000

Global Id: T0609700511
Status: Completed - Case Closed
Status Date: 07/18/2001

Regulatory Activities:
Global Id: T0609700511
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700511
Action Type: REMEDIATION
Date: 02/28/2000
Action: Excavation

Global Id: T0609700511
Action Type: Other
Date: 01/04/1999
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO519
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO735
Closed or Referred: Y
Confirm Date: 07/18/2001
LOP Number: 00023806
Staff: Not reported

CALIFORNIA SHAKE/SHINGLE (Continued) **S101309788**

Decode of Staff: Not reported
Global ID: T0609700511

Region: SONOMA
Regional Board: 1TSO519
Closed or Referred: Y
Confirm Date: 03/20/1996
LOP Number: 00001064
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700365

HIST UST:
File Number: 00021539
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021539.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO735

Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO519

64
SSW
1/4-1/2
0.478 mi.
2524 ft.

PG&E
600 ROHNERT PARK EXPY W
ROHNERT PARK, CA 94928

LUST **1006833741**
N/A

Relative:
Lower

Actual:
93 ft.

LUST:

Region:	STATE
Global Id:	T0609700363
Latitude:	38.349731
Longitude:	-122.72372
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/08/2002
Lead Agency:	SONOMA COUNTY LOP
Case Worker:	LCW
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO513
LOC Case Number:	00001351
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline, Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700363
Contact Type:	Local Agency Caseworker
Contact Name:	LOP CLOSED IN RB01
Organization Name:	SONOMA COUNTY LOP
Address:	625 FIFTH STREET
City:	SANTA ROSA
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0609700363
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609700363
Status:	Open - Case Begin Date
Status Date:	07/08/1992

Global Id:	T0609700363
Status:	Open - Remediation
Status Date:	07/23/1992

Global Id:	T0609700363
Status:	Open - Site Assessment
Status Date:	12/14/1992

Global Id:	T0609700363

PG&E (Continued) **1006833741**

Status: Completed - Case Closed
Status Date: 02/08/2002

Regulatory Activities:
Global Id: T0609700363
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

Global Id: T0609700363
Action Type: ENFORCEMENT
Date: 02/11/2002
Action: Closure/No Further Action Letter

Global Id: T0609700363
Action Type: Other
Date: 07/08/1992
Action: Leak Discovery

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO513
Closed or Referred: Y
Confirm Date: 02/08/2002
LOP Number: 00001351
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700363

65
NE
1/4-1/2
0.490 mi.
2585 ft.

Relative:
Higher

Actual:
96 ft.

NORTH BAY TRACTOR
5100 COMMERCE BLVD
ROHNERT PARK, CA 94928

RCRA-SQG **1000405009**
LUST **CAD982021040**
SWEEPS UST
HIST UST
CA FID UST
CHMIRS
FINDS
HIST CORTESE
ECHO

RCRA-SQG:
Date form received by agency: 08/05/1987
Facility name: NORTH BAY TRACTOR
Facility address: 5100 COMMERCE BLVD
ROHNERT PARK, CA 94928
EPA ID: CAD982021040
Mailing address: COMMERCE BLVD
ROHNERT PARK, CA 94928
Contact: ENVIRONMENTAL MANAGER
Contact address: 5100 COMMERCE BLVD
ROHNERT PARK, CA 94928
Contact country: US
Contact telephone: (707) 584-7290
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

NORTH BAY TRACTOR (Continued) **1000405009**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	WIESNER AURTHER OWNER
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

LUST:

Region:	STATE
Global Id:	T0609700096
Latitude:	38.362197
Longitude:	-122.711016
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/05/1993
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Case Worker:	ZZZ
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO126

NORTH BAY TRACTOR (Continued) **1000405009**

LOC Case Number: 00001292
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0609700096
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:
Global Id: T0609700096
Status: Open - Case Begin Date
Status Date: 08/24/1987

Global Id: T0609700096
Status: Open - Site Assessment
Status Date: 09/09/1987

Global Id: T0609700096
Status: Open - Site Assessment
Status Date: 10/05/1989

Global Id: T0609700096
Status: Open - Site Assessment
Status Date: 05/29/1990

Global Id: T0609700096
Status: Open - Site Assessment
Status Date: 04/16/1992

Global Id: T0609700096
Status: Open - Remediation
Status Date: 11/04/1993

Global Id: T0609700096
Status: Open - Verification Monitoring
Status Date: 11/04/1993

Global Id: T0609700096
Status: Completed - Case Closed
Status Date: 11/05/1993

Regulatory Activities:
Global Id: T0609700096
Action Type: Other
Date: 08/24/1987
Action: Leak Stopped

NORTH BAY TRACTOR (Continued) **1000405009**

Global Id: T0609700096
Action Type: ENFORCEMENT
Date: 02/07/1989
Action: * Historical Enforcement

Global Id: T0609700096
Action Type: Other
Date: 08/24/1987
Action: Leak Reported

Global Id: T0609700096
Action Type: Other
Date: 08/24/1987
Action: Leak Discovery

LUST REG 1:
Region: 1
Facility ID: 1TSO126
Staff Initials: Closed

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO126
Closed or Referred: Referred
Confirm Date: 07/20/1993
LOP Number: 00001292
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700096

SWEEPS UST:
Status: Active
Comp Number: 1292
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-31-89
Action Date: Not reported
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 00021499
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021499.pdf
Region: STATE
Facility ID: 00000018167
Facility Type: Other

NORTH BAY TRACTOR (Continued) **1000405009**

Other Type:	AG. & CONST. EQUIP.
Contact Name:	ARTHUR IESNER
Telephone:	7075847290
Owner Name:	ARTHUR R. WIESNER
Owner Address:	5100 COMMERCE BLVD.,
Owner City,St,Zip:	ROHNERT PARK, CA 94928
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	49000092
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7075847290
Mail To:	Not reported
Mailing Address:	5100 COMMERCE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ROHNERT PARK 94928
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CHMIRS:

OES Incident Number:	16-5071
OES notification:	08/19/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

NORTH BAY TRACTOR (Continued) **1000405009**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Bellvue Wilfred Channel.
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	WATER
Date/Time:	1000
Year:	2016
Agency:	City of Rohnert Park
Incident Date:	08/19/2016
Admin Agency:	Sonoma County Fire Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Bellvue Wilfred Channel.
E Date:	Not reported
Substance:	Potable Water
Quantity Released:	6000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No

NORTH BAY TRACTOR (Continued) **1000405009**

Injuries: No
Fatals: No
Comments: Not reported
Description: RP states that a water main broke resulting in the release of approx 6000 gal of potable water onto the ground and into the storm drain system which leads to the Bellvue Wilfred Channel. The release is contained.

FINDS:

Registry ID: 110002778511

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO126

ECHO:
Envid: 1000405009
Registry ID: 110002778511
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002778511

P66 **WEYERHAEUSER COMMERCIAL D** **LUST** **1006093562**
East **5600 STATE FARM DR** **N/A**
1/4-1/2 **ROHNERT PARK, CA**
0.495 mi.
2611 ft. **Site 1 of 3 in cluster P**

Relative:
Higher

Actual:
102 ft.

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO094
Closed or Referred: Referred
Confirm Date: 08/12/1993
LOP Number: 00001061
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609700067

P67 **WEST & ASSOCIATES ENVIRONMENTA** **EMI** **S100179140**
East **5600 STATE FARM DRIVE** **Notify 65** **N/A**
1/4-1/2 **ROHNERT PARK, CA 92728**
0.495 mi.
2611 ft. **Site 2 of 3 in cluster P**

Relative:
Higher

Actual:
102 ft.

EMI:

Year:	1987
County Code:	49
Air Basin:	SF
Facility ID:	507
Air District Name:	BA
SIC Code:	2431
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	59
Reactive Organic Gases Tons/Yr:	57
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	49
Air Basin:	SF
Facility ID:	507
Air District Name:	BA
SIC Code:	2431
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	50
Reactive Organic Gases Tons/Yr:	44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1996
County Code:	49
Air Basin:	SF
Facility ID:	10236
Air District Name:	BA
SIC Code:	4953
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003

WEST & ASSOCIATES ENVIRONMENTA (Continued) **S100179140**

County Code:	49
Air Basin:	SF
Facility ID:	14926
Air District Name:	BA
SIC Code:	8711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	49
Air Basin:	SF
Facility ID:	14926
Air District Name:	BA
SIC Code:	8711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.336
Reactive Organic Gases Tons/Yr:	0.2347296
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	49
Air Basin:	SF
Facility ID:	14926
Air District Name:	BA
SIC Code:	8711
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.336
Reactive Organic Gases Tons/Yr:	.2347296
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

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported

WEST & ASSOCIATES ENVIRONMENTA (Continued) **S100179140**

Incident Description: Not reported

P68 **WEYERHAEUSER-COMMERCIAL DOOR** **LUST** **S101304885**
East **5600 STATE FARM DRIVE** **HIST CORTESE** **N/A**
1/4-1/2 **ROHNERT PARK, CA 94928**
0.495 mi.
2611 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
102 ft.

LUST:

Region:	STATE
Global Id:	T0609700067
Latitude:	38.3569696924439
Longitude:	-122.708873748779
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/28/2014
Lead Agency:	NORTH COAST RWQCB (REGION 1)
Case Worker:	ZZZ
Local Agency:	Not reported
RB Case Number:	1TSO094
LOC Case Number:	00001061
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	A former door manufacturing facility. There were three petroleum underground storage tanks (UST) systems on the property. Tank System 1- Located northeast side of property one diesel and one gasoline UST installed in 1968. These were removed in 1972. Tank System 2 - Installed in 1972 northwest side of the property and located to the south of the Tank System 1. The area contained two 5,000 gallon diesel USTs and one 1,000-gallon gasoline UST. In 1982 the gasoline UST was closed in place and in 1985 the two diesel tanks were closed in place. These tanks were removed in 1991 Tank System 3 was located to the south of the Tank System 1. The tanks were installed 1985 and included one 10,000-gallon diesel UST and one 1,000-gallon gasoline UST. These tanks were removed in 1992 In addition to the three tank systems there appears to have been a release of volatile organic compounds (VOCs) and semi VOCs associated with a former paint shed to the south of Tank System 2. Chemicals of concern associated with this area were pentachlorophenol (PCP), tetrachloroethene (PCE), trichloroethene (TCE), and associated breakdown products. Soil contamination in the vicinity of the former paint shed was discovered when Tank System 2 was being removed in 1991. In 1991 manufacturing ceased and property converted to warehouse use. In 1999 property was purchased and leased to various tenents. Remediation including groundwater extraction, soil vapor extraction and in-situ injection of oxygen has been conducted at this site. Concentrations of petroleum hydrocarbons in subsurface have decreased due to these remedial measures and will continue to degrade due to natural attenuation. There is no free product at this site and the groundwater plume is defined and stable. This is an old release and methyl tertiary butyl ether (MTBE) is not associated with the petroleum plume. Low levels of VOCs were detected as part of this investigation. The source of the VOCs was determined to be a paint shed where small qualities of solvents were used and stored. Soil in the paint shed area was excavated. Elevated concentrations of VOCs in groundwater were never detected at the site. The extent of the VOCs in groundwater was defined in the shallow groundwater with soil

WEYERHAEUSER-COMMERCIAL DOOR (Continued) **S101304885**

borings and monitoring wells. Rohnert Park Well No. 3 is located less than 50 feet from the groundwater plume. The well had not been operational for over 20 years. In January 2014 this well was abandoned in place by being grouted to the surface. Prior to abandonment of Well No. 3 the groundwater was sampled and no petroleum hydrocarbons were detected. Groundwater sampling from monitoring well MW-2 also showed that the shallow water in the vicinity of the municipal Well No. 3 was never impacted by the release. The environmental investigation at this site included numerous soil and groundwater sampling locations to define the extent of contamination. Remaining dissolved concentrations of petroleum hydrocarbons in groundwater are limited in extent and do not extend off the property. Soil impacts are also limited and remain along the western edge of the property. No free product or dissolved concentrations of methyl tertiary butyl ether (MTBE) are currently detected in groundwater samples collected from this investigation. This property is located in an industrial area and there are no buildings over the remaining impacted area.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609700067
Contact Type:	Regional Board Caseworker
Contact Name:	REGIONAL WATER BOARD SITE CLOSED
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	craig.hunt@waterboards.ca.gov
Phone Number:	7075762220

Status History:

Global Id:	T0609700067
Status:	Open - Case Begin Date
Status Date:	01/01/1987
Global Id:	T0609700067
Status:	Open - Site Assessment
Status Date:	09/04/1987
Global Id:	T0609700067
Status:	Open - Site Assessment
Status Date:	02/01/1990
Global Id:	T0609700067
Status:	Open - Site Assessment
Status Date:	03/12/1990
Global Id:	T0609700067
Status:	Open - Site Assessment
Status Date:	12/09/1992
Global Id:	T0609700067
Status:	Open - Remediation
Status Date:	12/26/2000
Global Id:	T0609700067

WEYERHAEUSER-COMMERCIAL DOOR (Continued) **S101304885**

Status: Open - Remediation
Status Date: 12/31/2003

Global Id: T0609700067
Status: Open - Inactive
Status Date: 06/21/2004

Global Id: T0609700067
Status: Open - Verification Monitoring
Status Date: 06/21/2004

Global Id: T0609700067
Status: Open - Verification Monitoring
Status Date: 06/21/2004

Global Id: T0609700067
Status: Open - Verification Monitoring
Status Date: 08/26/2011

Global Id: T0609700067
Status: Open - Eligible for Closure
Status Date: 06/20/2014

Global Id: T0609700067
Status: Completed - Case Closed
Status Date: 07/28/2014

Global Id: T0609700067
Status: Completed - Case Closed
Status Date: 07/28/2014

Regulatory Activities:
Global Id: T0609700067
Action Type: REMEDIATION
Date: 09/15/2003
Action: Soil Vapor Extraction (SVE)

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 02/20/2008
Action: Meeting

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 02/28/2008
Action: Staff Letter

Global Id: T0609700067
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Semi-Annually

Global Id: T0609700067
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Semi-Annually

WEYERHAEUSER-COMMERCIAL DOOR (Continued) **S101304885**

Global Id: T0609700067
Action Type: RESPONSE
Date: 06/15/2004
Action: Monitoring Report - Semi-Annually

Global Id: T0609700067
Action Type: Other
Date: 09/04/1987
Action: Leak Stopped

Global Id: T0609700067
Action Type: RESPONSE
Date: 12/04/2006
Action: Sensitive Receptor Survey Report

Global Id: T0609700067
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Semi-Annually

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 07/06/2009
Action: Staff Letter

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 05/01/2014
Action: Staff Letter

Global Id: T0609700067
Action Type: RESPONSE
Date: 02/28/2006
Action: Request for Closure

Global Id: T0609700067
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Semi-Annually

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 08/28/2014
Action: Closure/No Further Action Letter

Global Id: T0609700067
Action Type: Other
Date: 09/04/1987
Action: Leak Reported

Global Id: T0609700067
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Other

Global Id: T0609700067
Action Type: RESPONSE

WEYERHAEUSER-COMMERCIAL DOOR (Continued) **S101304885**

Date: 02/05/2014
Action: Request for Closure - Regulator Responded

Global Id: T0609700067
Action Type: RESPONSE
Date: 04/29/2014
Action: Correspondence - Regulator Responded

Global Id: T0609700067
Action Type: RESPONSE
Date: 03/12/2014
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 12/18/2003
Action: File review

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 02/25/2014
Action: File Review - Closure

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 02/27/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 01/14/2005
Action: * Verbal Communication

Global Id: T0609700067
Action Type: RESPONSE
Date: 10/22/2007
Action: Other Report / Document

Global Id: T0609700067
Action Type: RESPONSE
Date: 01/15/2014
Action: Monitoring Report - Other

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 05/12/2006
Action: Staff Letter

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 09/08/2011
Action: Staff Letter

Global Id: T0609700067
Action Type: RESPONSE
Date: 04/07/2009
Action: Monitoring Report - Other

WEYERHAEUSER-COMMERCIAL DOOR (Continued) **S101304885**

Global Id: T0609700067
Action Type: RESPONSE
Date: 06/04/2014
Action: Well Destruction Report

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 07/31/2007
Action: Staff Letter

Global Id: T0609700067
Action Type: Other
Date: 01/01/1987
Action: Leak Began

Global Id: T0609700067
Action Type: Other
Date: 09/04/1987
Action: Leak Discovery

Global Id: T0609700067
Action Type: ENFORCEMENT
Date: 07/19/1999
Action: * Historical Enforcement

Global Id: T0609700067
Action Type: RESPONSE
Date: 02/28/2004
Action: Other Report / Document

LUST REG 1:
Region: 1
Facility ID: 1TSO094
Staff Initials: BML

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSO094

69
South
1/4-1/2
0.496 mi.
2621 ft.

Relative:
Lower

Actual:
93 ft.

CALIFORNIA HIGHWAY PATROL **LUST** **U003779894**
6100 LABATH AVE **UST** **N/A**
ROHNERT PARK, CA 94928 **SWEEPS UST**

LUST:
Region: STATE
Global Id: T0609732496
Latitude: 38.3501778
Longitude: -122.721195
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/12/1999
Lead Agency: NORTH COAST RWQCB (REGION 1)

CALIFORNIA HIGHWAY PATROL (Continued) **U003779894**

Case Worker:	ZZZ
Local Agency:	SONOMA COUNTY LOP
RB Case Number:	1TSO360
LOC Case Number:	00002112
File Location:	Regional Board
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0609732496
Contact Type:	Regional Board Caseworker
Contact Name:	SONOMA COUNTY LOP CLOSED SITE
Organization Name:	NORTH COAST RWQCB (REGION 1)
Address:	5550 SKYLANE BOULEVARD, SUITE A
City:	SANTA ROSA
Email:	Not reported
Phone Number:	7075656565

Status History:

Global Id:	T0609732496
Status:	Open - Case Begin Date
Status Date:	12/20/1988
Global Id:	T0609732496
Status:	Open - Site Assessment
Status Date:	01/25/1991
Global Id:	T0609732496
Status:	Open - Site Assessment
Status Date:	02/19/1991
Global Id:	T0609732496
Status:	Open - Site Assessment
Status Date:	03/28/1991
Global Id:	T0609732496
Status:	Completed - Case Closed
Status Date:	07/12/1999

Regulatory Activities:

Global Id:	T0609732496
Action Type:	Other
Date:	12/20/1988
Action:	Leak Stopped
Global Id:	T0609732496
Action Type:	ENFORCEMENT
Date:	07/21/1993
Action:	* No Action
Global Id:	T0609732496
Action Type:	Other
Date:	09/23/1991
Action:	Leak Reported

CALIFORNIA HIGHWAY PATROL (Continued) **U003779894**

Global Id: T0609732496
Action Type: ENFORCEMENT
Date: 07/12/1999
Action: Closure/No Further Action Letter

Global Id: T0609732496
Action Type: Other
Date: 12/20/1988
Action: Leak Discovery

SONOMA CO. LUST:
Region: SONOMA
Regional Board: 1TSO360
Closed or Referred: Referred
Confirm Date: 07/01/1992
LOP Number: 00002112
Staff: Not reported
Decode of Staff: Not reported
Global ID: T0609732496

UST:
Facility ID: 218
Permitting Agency: SONOMA COUNTY
Latitude: 38.3514313
Longitude: -122.7193126

SWEEPS UST:
Status: Active
Comp Number: 2112
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-05-91
Action Date: 09-05-91
Created Date: 03-31-89
Owner Tank Id: Not reported
SWRCB Tank Id: 49-000-002112-000001
Tank Status: A
Capacity: 12000
Active Date: 09-05-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

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70 South 1/2-1 0.539 mi. 2844 ft.

OUTER LANDING FIELD, COTATI (J09CA7470) **RESPONSE S117038751**
ROHNERT PARK EXPRESSWAY, WEST OF HWY 101 **ENVIROSTOR N/A**
ROHNERT PARK, CA

Relative: Lower

Actual: 93 ft.

RESPONSE:
Facility ID: 80001176
Site Type: State Response
Site Type Detail: FUDS
Acres: 217

OUTER LANDING FIELD, COTATI (J09CA7470) (Continued) **S117038751**

National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Ben Fries
Supervisor: Charles Ridenour
Division Branch: Cleanup Sacramento
Site Code: Not reported
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 04
Senate: 03
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/23/2015
Restricted Use: NO
Funding: DERA
Latitude: 38.34777
Longitude: -122.7202
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC : NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: COTATI OUTER LANDING FIELD
Alias Type: Alternate Name
Alias Name: CA99799FA49500
Alias Type: Federal Facility ID
Alias Name: J09CA7470
Alias Type: INPR
Alias Name: 80001176
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Records Research Report (RRR)
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 01/23/2015
Comments: This determination is based on information in DTSC s possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue,

OUTER LANDING FIELD, COTATI (J09CA7470) (Continued) **S117038751**

should additional information concerning the environmental condition of this site become available in the future.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 80001176
Status: No Further Action
Status Date: 01/23/2015
Site Code: Not reported
Site Type: State Response
Site Type Detailed: FUDS
Acres: 217
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ben Fries
Supervisor: Charles Ridenour
Division Branch: Cleanup Sacramento
Assembly: 04
Senate: 03
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 38.34777
Longitude: -122.7202
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: COTATI OUTER LANDING FIELD
Alias Type: Alternate Name
Alias Name: CA99799FA49500
Alias Type: Federal Facility ID
Alias Name: J09CA7470
Alias Type: INPR
Alias Name: 80001176
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Records Research Report (RRR)
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

OUTER LANDING FIELD, COTATI (J09CA7470) (Continued) **S117038751**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 01/23/2015
Comments: This determination is based on information in DTSC s possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue, should additional information concerning the environmental condition of this site become available in the future.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

71
SE
1/2-1
0.765 mi.
4040 ft.

CHEVRON U.S.A.
300 ROHNERT PARK
ROHNERT PARK, CA 94928

LUST **S101595384**
CA FID UST **N/A**
Notify 65

Relative:
Higher

Actual:
102 ft.

LUST:
Region: STATE
Global Id: T0609700140
Latitude: 38.348784529
Longitude: -122.71768256
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/13/2013
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO179
LOC Case Number: 00002509
File Location: Local Agency Warehouse
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Excerpts from "Case Closure Request" (Conestoga-Rovers & Associates, April 4, 2008) SITE BACKGROUND The subject site is an active Chevron service station located on the northwest comer of the intersection of Rohnert Park Expressway and Redwood Road, in Rohnert Park, CA (Figure

CHEVRON U.S.A. (Continued) **S101595384**

1). Land use in the vicinity is primarily commercial. Adjacent properties to the west and north include a Valero service station with a car wash and a Chevron Quick-Lube facility, respectively. In 1996 the product lines and dispenser islands were removed and replaced. Conditions encountered are detailed below. Ten groundwater monitoring wells associated with the site have been installed to monitor dissolved hydrocarbons. Chevron site structures include a station building, a restroom building, five dispenser islands and three gasoline underground storage tanks (USTs). Chevron site structures, monitoring wells and surrounding properties are presented in Figure 2. Previous Investigations 1996 Product Line and Dispenser Soil Sampling: In September 1996, Touchstone Developments Inc. (Touchstone) oversaw the upgrade of the dispensers and product lines. Ten soil samples were collected during the upgrade activities. Nine samples contained petroleum hydrocarbons in the area of the former pump islands to depths of three feet below grade (fbg). Total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene and xylenes (BTEX), and MTBE were reported in samples from the product line excavations. Sample PI contained the highest hydrocarbon concentrations with 500 mg/kg TPHg, 0.3 mg/kg benzene, and 53mg/kg MTBE. Approximately 200 cubic yards of soil and pea gravel excavated to replace product lines were removed from the site. The minor impacts to soil did not warrant over-excavation. Product line removal is detailed in Touchstone's December 1, 1996 Product Piping Removal Soil Sampling Report. 1997 Well Installation and Sensitive Receptor Survey: In November 1997, Gettler-Ryan Inc. (Gettler-Ryan) installed monitoring wells MW-l through MW-3 to delineate groundwater in the vicinity of the former pump islands. Soil samples were collected from each boring and submitted for analysis of BTEX, TPHg and MTBE. No hydrocarbons were detected in soil or in the initial groundwater samples. As part of this same investigation, Gettler-Ryan identified sensitive receptors area within a lh-mile radius. A total of three municipal wells and one irrigation well were identified just within the lh-mile radius limit. Three of the wells were up-gradient of the site, and one well was located down-gradient (northwest). This investigation is detailed in Gettler-Ryan's February 20,1998 Well Installation and Sensitive Receptor Survey Report. 2000 Monitoring Well Installation: In September 2000, Delta Environmental Consultants, Inc. (Delta) installed monitoring wells MW-4 and MW-5 to characterize MTBE in groundwater down-gradient of MW-3. MTBE had been reported during sampling events as early as August 1998. The only hydrocarbons detected in soil were 3.89 mg/kg TPHg at 11 fbg and 0.13 mglkg MTBE at 16 fbg, both in MW-4. MTBE and tertiary amyl methyl ether (TAME) were the only analytes detected in groundwater from MW-4 and MW-5. The well installations are detailed in Delta's Monitoring Well Installation Report, dated January 10, 2001. 2004 Monitoring Well Installation: In May 2004, Cambria Environmental Technology, Inc. (Cambria) Advanced soil boring SB-l and installed monitoring wells MW-6 and MW-7 to further delineate the MTBE plume at the site. No TPHg or BTEX were detected in soil from the three borings. MTBE was detected in all three boring at concentrations ranging from 0.002 to 0.51 mg/kg. Only 0.7 ug/L toluene and 54 ug/L MTBE were detected in the grab-groundwater sample collected from SB-1. The investigation is detailed in Cambria's Well Installation Report dated June 11, 2004. 2006 Monitoring Well Installation: In January 2006, Cambria installed monitoring wells MW-8 and MW-9 to further define the extent of MTBE

CHEVRON U.S.A. (Continued) **S101595384**

in groundwater. No TPHg or BTEX were detected in soil samples collected from the well borings. MTBE was detected in soil samples collected at 10 and 15 fbg from MW-9 at 0.006 and 0.057 mg/kg, respectively. No TPHg or BTEX was reported in groundwater from either well. MTBE was reported at 5 ug/L in MW-8 and 170 in MW-9. The only other oxygenate or fuel additive detected was 1 ug/L TAME in MW-9. Well installations are detailed in Cambria's Subsurface Investigation Report, dated February 16, 2006. 2007 Monitoring Well Installation: In May 2006, CRA installed well MW-10 to define the down-gradient extent of MTBE in groundwater. No hydrocarbons or oxygenates were detected in soil or groundwater from MW-10, therefore defining the down-gradient extent of the dissolved MTBE plume. The well installation is detailed in CRA's Well Installation Report, dated August 13, 2007. Additional Notes by Sonoma County EHS staff: The site is doing verification monitoring. Closure has been requested and is being considered. Case closed on 2/13/2013.

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0609700140
Status:	Open - Case Begin Date
Status Date:	07/27/1996
Global Id:	T0609700140
Status:	Open - Site Assessment
Status Date:	10/29/1997
Global Id:	T0609700140
Status:	Open - Site Assessment
Status Date:	10/12/2000
Global Id:	T0609700140
Status:	Open - Site Assessment
Status Date:	01/26/2004
Global Id:	T0609700140
Status:	Open - Site Assessment
Status Date:	10/28/2004
Global Id:	T0609700140
Status:	Open - Site Assessment
Status Date:	10/06/2006
Global Id:	T0609700140
Status:	Open - Verification Monitoring
Status Date:	08/16/2007
Global Id:	T0609700140
Status:	Open - Eligible for Closure
Status Date:	02/06/2013
Global Id:	T0609700140
Status:	Completed - Case Closed
Status Date:	02/13/2013

Regulatory Activities:

CHEVRON U.S.A. (Continued) **S101595384**

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 12/05/2012
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 08/14/2012
Action: LOP Case Closure Summary to RB

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 02/13/2013
Action: Closure/No Further Action Letter

Global Id: T0609700140
Action Type: RESPONSE
Date: 04/21/2005
Action: Other Workplan

Global Id: T0609700140
Action Type: RESPONSE
Date: 01/15/2005
Action: Other Workplan

Global Id: T0609700140
Action Type: RESPONSE
Date: 11/27/2004
Action: Soil and Water Investigation Workplan

Global Id: T0609700140
Action Type: RESPONSE
Date: 02/29/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 06/13/2005
Action: Staff Letter

Global Id: T0609700140
Action Type: Other
Date: 09/27/1996
Action: Leak Stopped

Global Id: T0609700140
Action Type: RESPONSE
Date: 02/01/2006
Action: Soil and Water Investigation Report

Global Id: T0609700140
Action Type: RESPONSE
Date: 07/01/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0609700140
Action Type: ENFORCEMENT

CHEVRON U.S.A. (Continued) **S101595384**

Date: 07/07/2008
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 07/27/2009
Action: Staff Letter

Global Id: T0609700140
Action Type: RESPONSE
Date: 09/29/2006
Action: Soil and Water Investigation Workplan

Global Id: T0609700140
Action Type: RESPONSE
Date: 06/30/2007
Action: Soil and Water Investigation Report

Global Id: T0609700140
Action Type: RESPONSE
Date: 02/05/2013
Action: Well Destruction Report

Global Id: T0609700140
Action Type: RESPONSE
Date: 10/28/2012
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 10/22/2003
Action: Staff Letter

Global Id: T0609700140
Action Type: Other
Date: 07/03/1997
Action: Leak Reported

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 02/26/2004
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 09/27/2004
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 12/15/2004
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 04/13/2006
Action: Staff Letter

CHEVRON U.S.A. (Continued) **S101595384**

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 06/13/2011
Action: Staff Letter

Global Id: T0609700140
Action Type: RESPONSE
Date: 06/11/2004
Action: Soil and Water Investigation Report

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 06/16/2010
Action: File review

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 10/09/1997
Action: Notification - Proposition 65

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 11/08/2006
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 08/28/2012
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 04/24/2012
Action: Staff Letter

Global Id: T0609700140
Action Type: RESPONSE
Date: 12/05/2003
Action: Soil and Water Investigation Workplan

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 03/21/2005
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 07/29/2003
Action: Staff Letter

Global Id: T0609700140
Action Type: ENFORCEMENT
Date: 08/14/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0609700140
Action Type: Other

CHEVRON U.S.A. (Continued) **S101595384**

Date: 09/27/1996
Action: Leak Discovery

Global Id: T0609700140
Action Type: RESPONSE
Date: 08/30/2011
Action: Monitoring Report - Semi-Annually

CA FID UST:
Facility ID: 49001219
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: ROHNERT PARK 94928
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ROHNERT PARK	1000707590	BOISE CASCADE AKA BMC WEST	COMMERCE BOULEVARD 5300		LUST
ROHNERT PARK	S104285309	US OUTER LANDING FIELD	ROHNERT PARK EXPRESSWAY	94928	SLIC
SANTA ROSA	S104163195	STEVENSON EQUIPMENT	REDWOOD HIGHWAY, OLD 3975		LUST
SANTA ROSA	S102429807	FAST & EASY MART	REDWOOD HIGHWAY, OLD 5321		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/14/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

SLIC: Statewide SLIC Cases

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 01/04/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/19/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/27/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 45

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 83

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/25/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/11/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/10/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/29/2016
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 01/20/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/11/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 78
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 90

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 11/10/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 9

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/03/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 51

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/18/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 58

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/18/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/11/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 93

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 41

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 79

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 52
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/21/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/14/2017
Number of Days to Update: 49
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/06/2017
Next Scheduled EDR Contact: 05/22/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 12/13/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/22/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 82

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/30/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 29
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/15/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 55
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/03/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 42
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/01/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/12/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VACANT LOT - ROHNERT PARK
BUSINESS PARK DRIVE & DOWDELL AVENUE
ROHNERT PARK, CA 94928

TARGET PROPERTY COORDINATES

Latitude (North):	38.356602 - 38° 21' 23.77''
Longitude (West):	122.719075 - 122° 43' 8.67''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	524545.2
UTM Y (Meters):	4245213.0
Elevation:	95 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5602420 COTATI, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

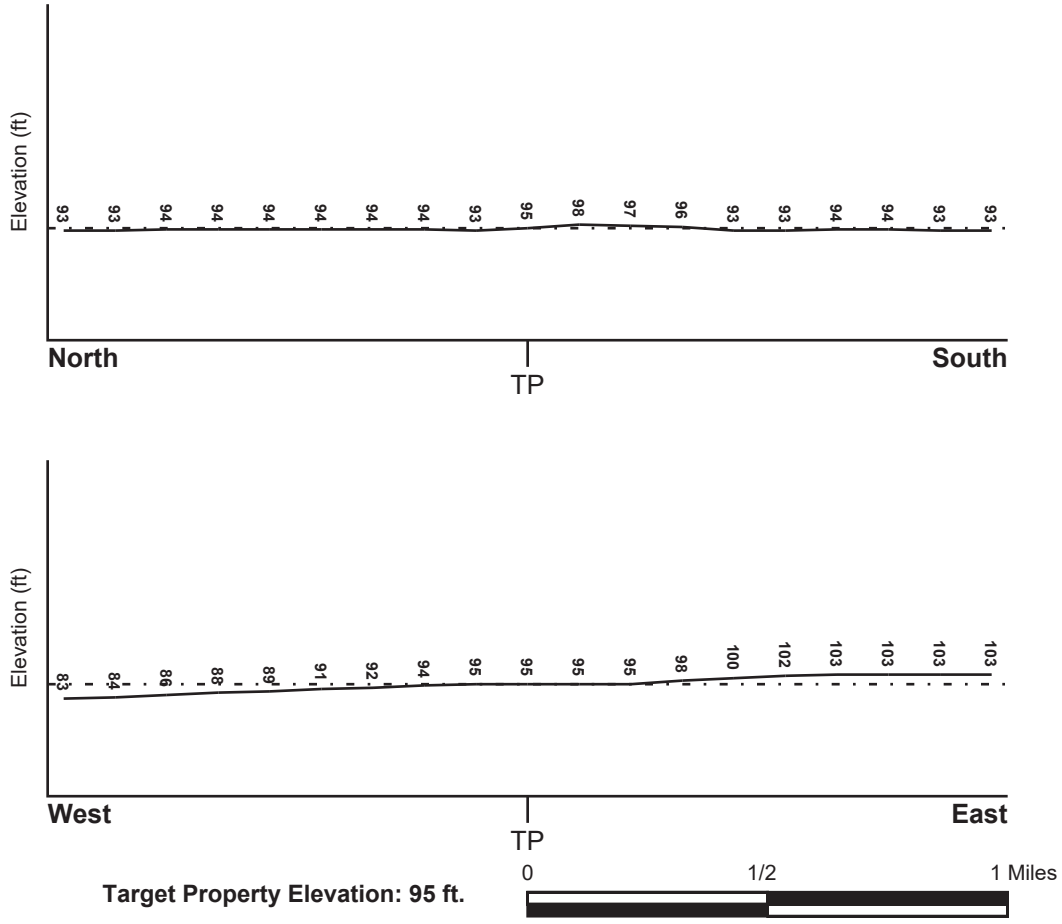
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06097C0876E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06097C0877E	FEMA FIRM Flood data
06097C0878E	FEMA FIRM Flood data
06097C0879E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COTATI	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
A2	1/4 - 1/2 Mile East	NE
A3	1/4 - 1/2 Mile ESE	NW
4	1/4 - 1/2 Mile ENE	Not Reported
B5	1/4 - 1/2 Mile East	SSW
6	1/4 - 1/2 Mile ENE	Not Reported
B8	1/4 - 1/2 Mile East	NE

* ©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
11	1/4 - 1/2 Mile NE	NW
D13	1/2 - 1 Mile NE	Not Reported
D14	1/2 - 1 Mile NE	Not Reported
E16	1/2 - 1 Mile SSE	N
E17	1/2 - 1 Mile SSE	SE
G20	1/2 - 1 Mile SE	Varies
G21	1/2 - 1 Mile SE	Varies
25	1/2 - 1 Mile SE	WSW

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

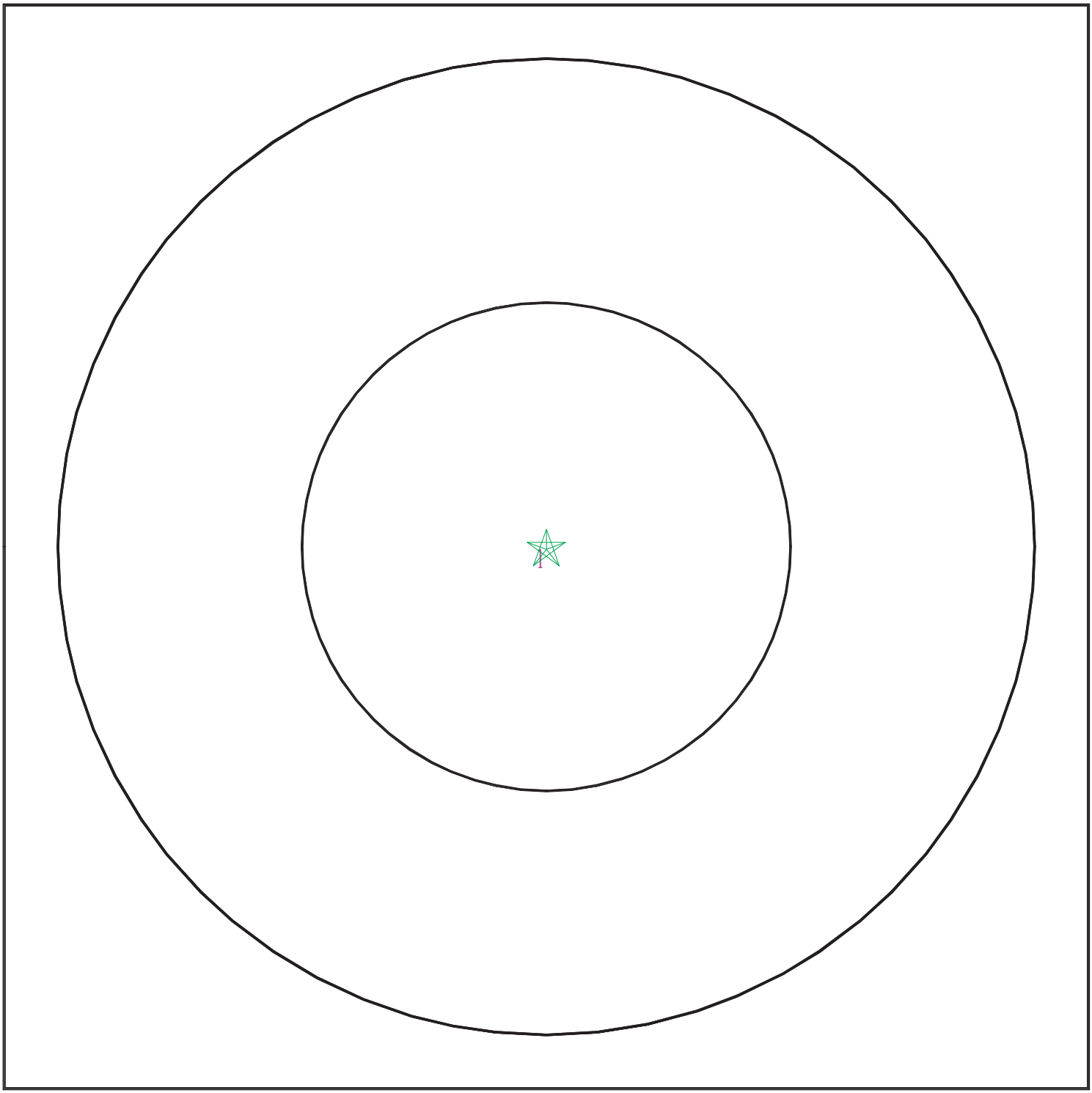
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 4892010.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Vacant Lot - Rohnert Park	CLIENT:	ATC Group Services LLC
ADDRESS:	Business Park Drive & Dowdell Avenue Rohnert Park CA 94928	CONTACT:	Destiny Hazra
LAT/LONG:	38.356602 / 122.719075	INQUIRY #:	4892010.2s
		DATE:	March 28, 2017 2:45 pm

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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: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 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	38 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
2	38 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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
12	USGS40000187972	1/4 - 1/2 Mile East
F18	USGS40000187990	1/2 - 1 Mile ENE
23	USGS40000187955	1/2 - 1 Mile ESE
24	USGS40000187913	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

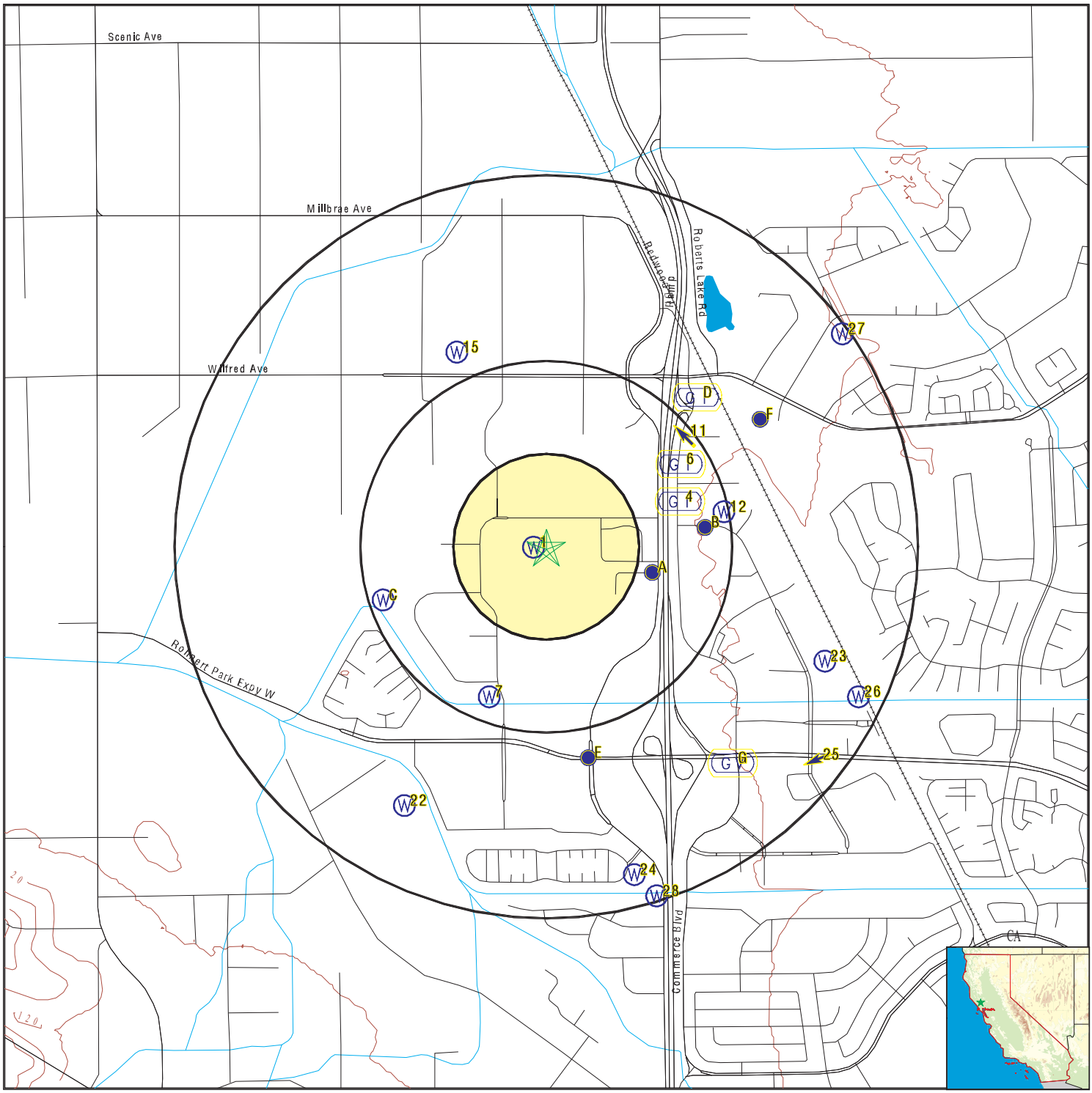
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	20751	0 - 1/8 Mile West
7	6639	1/4 - 1/2 Mile SSW
C9	6638	1/4 - 1/2 Mile WSW
C10	CADW60000003401	1/4 - 1/2 Mile WSW
15	CADW60000035489	1/2 - 1 Mile NNW
F19	6633	1/2 - 1 Mile ENE
22	CADW60000017589	1/2 - 1 Mile SSW
26	6640	1/2 - 1 Mile ESE
27	6625	1/2 - 1 Mile NE
28	6652	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 4892010.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	Vacant Lot - Rohnert Park	CLIENT:	ATC Group Services LLC
ADDRESS:	Business Park Drive & Dowdell Avenue Rohnert Park CA 94928	CONTACT:	Destiny Hazra
LAT/LONG:	38.356602 / 122.719075	INQUIRY #:	4892010.2s
		DATE:	March 28, 2017 2:45 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
West
0 - 1/8 Mile
Higher | **CA WELLS** | **20751**

Water System Information:

Prime Station Code:	4910014-041	User ID:	RXR
FRDS Number:	4910014041	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382124.1 1224307.4	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 41		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:	600 ENTERPRISE DRIVE ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		
Sample Collected:	28-SEP-11	Findings:	0.94 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	28-SEP-11	Findings:	1.4 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	28-SEP-11	Findings:	310. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	28-SEP-11	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	28-SEP-11	Findings:	156. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	28-SEP-11	Findings:	191. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	28-SEP-11	Findings:	120. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	28-SEP-11	Findings:	24. MG/L
Chemical:	CALCIUM		
Sample Collected:	28-SEP-11	Findings:	14. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	28-SEP-11	Findings:	22. MG/L
Chemical:	SODIUM		
Sample Collected:	28-SEP-11	Findings:	2.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	28-SEP-11	Findings:	11. MG/L
Chemical:	CHLORIDE		
Sample Collected:	28-SEP-11	Findings:	2.3 MG/L
Chemical:	SULFATE		

Sample Collected:	28-SEP-11	Findings:	0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	28-SEP-11	Findings:	7.3 UG/L
Chemical:	ARSENIC		
Sample Collected:	28-SEP-11	Findings:	120. UG/L
Chemical:	BARIUM		
Sample Collected:	28-SEP-11	Findings:	44.4 UG/L
Chemical:	MANGANESE		
Sample Collected:	28-SEP-11	Findings:	220. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-SEP-11	Findings:	0.72 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	28-SEP-11	Findings:	11.8
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	15-NOV-11	Findings:	629. UG/L
Chemical:	IRON		
Sample Collected:	12-JUN-12	Findings:	277. UG/L
Chemical:	IRON		
Sample Collected:	14-AUG-12	Findings:	508. UG/L
Chemical:	IRON		
Sample Collected:	27-NOV-12	Findings:	340. UG/L
Chemical:	IRON		
Sample Collected:	05-MAR-13	Findings:	7.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	05-MAR-13	Findings:	430. UG/L
Chemical:	IRON		
Sample Collected:	21-JAN-14	Findings:	550. UG/L
Chemical:	IRON		
Sample Collected:	28-OCT-14	Findings:	140. UG/L
Chemical:	IRON		
Sample Collected:	28-OCT-14	Findings:	340. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	28-OCT-14	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	28-OCT-14	Findings:	145. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	28-OCT-14	Findings:	177. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	28-OCT-14	Findings:	120. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	28-OCT-14	Findings:	24. MG/L
Chemical:	CALCIUM		
Sample Collected:	28-OCT-14	Findings:	15. MG/L
Chemical:	MAGNESIUM		

Sample Collected:	28-OCT-14	Findings:	21. MG/L
Chemical:	SODIUM		
Sample Collected:	28-OCT-14	Findings:	11. MG/L
Chemical:	CHLORIDE		
Sample Collected:	28-OCT-14	Findings:	2.4 MG/L
Chemical:	SULFATE		
Sample Collected:	28-OCT-14	Findings:	7.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	28-OCT-14	Findings:	110. UG/L
Chemical:	IRON		
Sample Collected:	28-OCT-14	Findings:	43. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-OCT-14	Findings:	230. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-OCT-14	Findings:	0.12 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08-MAR-16	Findings:	9.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	08-MAR-16	Findings:	740. UG/L
Chemical:	IRON		
Sample Collected:	14-JUN-16	Findings:	390. UG/L
Chemical:	IRON		
Sample Collected:	20-SEP-16	Findings:	9.4 UG/L
Chemical:	ARSENIC		

A2
East
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	NE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	09/09/1996

AQUIFLOW **71006**

A3
ESE
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	NW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	10
Date:	12/08/1992

AQUIFLOW **70905**

4
ENE
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	9
Deep Water Depth:	13
Average Water Depth:	Not Reported
Date:	11/23/1987

AQUIFLOW **70906**

B5
East
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	SSW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	08/12/1999

AQUIFLOW **54116**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

6
ENE
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	8.5
Deep Water Depth:	13
Average Water Depth:	Not Reported
Date:	01/26/1996

AQUIFLOW **54532**

7
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **6639**

Water System Information:

Prime Station Code:	06N/08W-23E01 M	User ID:	RXR
FRDS Number:	4910014023	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382103.4 1224315.0	Precision:	100 Feet (one Second)
Source Name:	WELL 23		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE		
	ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		

B8
East
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	NE
Shallow Water Depth:	7.37
Deep Water Depth:	7.86
Average Water Depth:	Not Reported
Date:	09/25/1997

AQUIFLOW **54008**

C9
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **6638**

Water System Information:

Prime Station Code:	06N/08W-22G02 M	User ID:	RXR
FRDS Number:	4910014024	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382117.4 1224334.5	Precision:	100 Feet (one Second)
Source Name:	WELL 24		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE		
	ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
C10 **WSW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW60000003401**

Objectid:	3401
Latitude:	38.354417
Longitude:	-122.727113
Site code:	383544N1227271W001
State well numbe:	Not Reported
Local well name:	'SRP-03'
Well use id:	6
Well use descrip:	Unknown
County id:	49
County name:	Sonoma
Basin code:	'1-55.01'
Basin desc:	Santa Rosa Plain
Dwr region id:	80236
Dwr region:	North Central Region Office
Site id:	CADW60000003401

---

11 **NE** **1/4 - 1/2 Mile** **Higher**	Site ID:	Not Reported	**AQUIFLOW**	**70251**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	04/02/1998		

	Database	EDR ID Number
12 **East** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS40000187972**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-382129122423301		
Monloc name:	006N008W23B001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3579696
Longitude:	-122.7102652	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	95
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19581226	Welldepth:	804
Welldepth units:	ft	Wellholedepth:	804
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D13
NE
1/2 - 1 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	7.5
Deep Water Depth:	8
Average Water Depth:	Not Reported
Date:	07/1990

AQUIFLOW **54534**

D14
NE
1/2 - 1 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	7.5
Deep Water Depth:	8
Average Water Depth:	Not Reported
Date:	07/1990

AQUIFLOW **54533**

15
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000035489**

Objectid:	35489
Latitude:	38.3642
Longitude:	-122.7235
Site code:	383642N1227235W001
State well numbe:	06N08W15J003M
Local well name:	'06N08W15J003M'
Well use id:	6
Well use descrip:	Unknown
County id:	49
County name:	Sonoma
Basin code:	'1-55.01'
Basin desc:	Santa Rosa Plain
Dwr region id:	80236
Dwr region:	North Central Region Office
Site id:	CADW60000035489

E16
SSE
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	N
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	03/1999

AQUIFLOW **54120**

E17
SSE
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	SE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	10/25/1993

AQUIFLOW **54122**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F18
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000187990**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-382142122422901		
Monloc name:	006N008W14Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3615806
Longitude:	-122.709154	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	97
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19771115	Welldepth:	1501
Welldepth units:	ft	Wellholedepth:	1512
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

F19
ENE
1/2 - 1 Mile
Higher

CA WELLS **6633**

Water System Information:

Prime Station Code:	06N/08W-14Q01 M	User ID:	RXR
FRDS Number:	4910014015	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382142.0 1224224.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 15		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE		
	ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		
Sample Collected:	17-MAR-15	Findings:	8. TON
Chemical:	ODOR THRESHOLD @ 60 C		

Sample Collected:	17-MAR-15	Findings:	430. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	17-MAR-15	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	17-MAR-15	Findings:	151. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	17-MAR-15	Findings:	184. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	17-MAR-15	Findings:	150. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	17-MAR-15	Findings:	32. MG/L
Chemical:	CALCIUM		
Sample Collected:	17-MAR-15	Findings:	17. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	17-MAR-15	Findings:	28. MG/L
Chemical:	SODIUM		
Sample Collected:	17-MAR-15	Findings:	42. MG/L
Chemical:	CHLORIDE		
Sample Collected:	17-MAR-15	Findings:	4.6 MG/L
Chemical:	SULFATE		
Sample Collected:	17-MAR-15	Findings:	5.8 UG/L
Chemical:	ARSENIC		
Sample Collected:	17-MAR-15	Findings:	130. UG/L
Chemical:	BARIUM		
Sample Collected:	17-MAR-15	Findings:	1300. UG/L
Chemical:	IRON		
Sample Collected:	17-MAR-15	Findings:	280. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-MAR-15	Findings:	72. UG/L
Chemical:	ALUMINUM		
Sample Collected:	17-MAR-15	Findings:	280. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	17-MAR-15	Findings:	8.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	14-APR-15	Findings:	8. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	14-APR-15	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	14-APR-15	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-APR-15	Findings:	5.5 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	29-DEC-15	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

Sample Collected: 29-DEC-15 Findings: 3. PCI/L
Chemical: GROSS ALPHA MDA95

G20
SE
1/2 - 1 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Varies
Shallow Water Depth:	8
Deep Water Depth:	12
Average Water Depth:	Not Reported
Date:	09/24/1990

AQUIFLOW **54402**

G21
SE
1/2 - 1 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Varies
Shallow Water Depth:	8
Deep Water Depth:	12
Average Water Depth:	Not Reported
Date:	09/24/1990

AQUIFLOW **54535**

22
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADW60000017589**

Objectid:	17589
Latitude:	38.3465
Longitude:	-122.7261
Site code:	383465N1227261W001
State well numbe:	06N08W22R001M
Local well name:	'06N08W22R001M'
Well use id:	4
Well use descrip:	Residential
County id:	49
County name:	Sonoma
Basin code:	'1-55.01'
Basin desc:	Santa Rosa Plain
Dwr region id:	80236
Dwr region:	North Central Region Office
Site id:	CADW60000017589

23
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000187955**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-382108122421501		
Monloc name:	006N008W23H001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3521364
Longitude:	-122.705265	Sourcemap scale:	24000

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	100
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19771215	Welldepth:	1500
Welldepth units:	ft	Wellholedepth:	1504
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

24
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000187913**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-382038122424901		
Monloc name:	006N008W26C001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3438034
Longitude:	-122.7147099	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	99
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19711221	Welldepth:	603
Welldepth units:	ft	Wellholedepth:	603
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

25
SE
1/2 - 1 Mile
Higher

AQUIFLOW **54123**

Site ID:	Not Reported
Groundwater Flow:	WSW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	09/30/1999

26
ESE
1/2 - 1 Mile
Higher

CA WELLS **6640**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	06N/08W-23H01 M	User ID:	RXR
FRDS Number:	4910014016	County:	Sonoma
District Number:	03	Station Type:	WELLAMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382103.6 1224209.3	Precision:	100 Feet (one Second)
Source Name:	WELL 16		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		
Sample Collected:	28-SEP-11	Findings:	0.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	28-SEP-11	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	28-SEP-11	Findings:	4. UNITS
Chemical:	COLOR		
Sample Collected:	28-SEP-11	Findings:	280. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	28-SEP-11	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	28-SEP-11	Findings:	144. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	28-SEP-11	Findings:	176. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	28-SEP-11	Findings:	110. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	28-SEP-11	Findings:	22. MG/L
Chemical:	CALCIUM		
Sample Collected:	28-SEP-11	Findings:	13. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	28-SEP-11	Findings:	21. MG/L
Chemical:	SODIUM		
Sample Collected:	28-SEP-11	Findings:	1.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	28-SEP-11	Findings:	7.6 MG/L
Chemical:	CHLORIDE		
Sample Collected:	28-SEP-11	Findings:	2.8 MG/L
Chemical:	SULFATE		
Sample Collected:	28-SEP-11	Findings:	0.14 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	28-SEP-11	Findings:	4.9 UG/L
Chemical:	ARSENIC		

Sample Collected:	28-SEP-11	Findings:	131. UG/L
Chemical:	BARIUM		
Sample Collected:	28-SEP-11	Findings:	210. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-SEP-11	Findings:	2. NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	28-SEP-11	Findings:	11.7
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	19-AUG-14	Findings:	300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	19-AUG-14	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	19-AUG-14	Findings:	133. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	19-AUG-14	Findings:	162. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	19-AUG-14	Findings:	82. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	19-AUG-14	Findings:	17. MG/L
Chemical:	CALCIUM		
Sample Collected:	19-AUG-14	Findings:	9.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	19-AUG-14	Findings:	31. MG/L
Chemical:	SODIUM		
Sample Collected:	19-AUG-14	Findings:	9.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	19-AUG-14	Findings:	4.1 MG/L
Chemical:	SULFATE		
Sample Collected:	19-AUG-14	Findings:	8.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	19-AUG-14	Findings:	230. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	28-OCT-14	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	11-AUG-15	Findings:	7.5 MG/L
Chemical:	NITRATE (AS NO3)		

27
NE
1/2 - 1 Mile
Higher

CA WELLS **6625**

Water System Information:

Prime Station Code:	06N/08W-13C01 M	User ID:	RXR
FRDS Number:	4910014017	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382154.1 1224212.0	Precision:	100 Feet (one Second)
Source Name:	WELL 17		

System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE		
	ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		

28
SSE **CA WELLS** **6652**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	06N/08W-26C01 M	User ID:	RXR
FRDS Number:	4910014006	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382035.9 1224245.5	Precision:	100 Feet (one Second)
Source Name:	WELL 07		
System Number:	4910014		
System Name:	Rohnert Park, City of		
Organization That Operates System:			
	600 ENTERPRISE DRIVE		
	ROHNERT PARK, CA 94928		
Pop Served:	38511	Connections:	8067
Area Served:	ROHNERT PARK		
Sample Collected:	14-JUN-11	Findings:	6. UG/L
Chemical:	LEAD		
Sample Collected:	10-SEP-13	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10-SEP-13	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	10-SEP-13	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	10-SEP-13	Findings:	244. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10-SEP-13	Findings:	190. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10-SEP-13	Findings:	39. MG/L
Chemical:	CALCIUM		
Sample Collected:	10-SEP-13	Findings:	23. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10-SEP-13	Findings:	21. MG/L
Chemical:	SODIUM		
Sample Collected:	10-SEP-13	Findings:	14. MG/L
Chemical:	CHLORIDE		
Sample Collected:	10-SEP-13	Findings:	19. MG/L
Chemical:	SULFATE		

Sample Collected:	10-SEP-13	Findings:	0.14 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10-SEP-13	Findings:	6.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	10-SEP-13	Findings:	110. UG/L
Chemical:	BARIUM		
Sample Collected:	10-SEP-13	Findings:	310. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94928	14	1

Federal EPA Radon Zone for SONOMA 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.

Federal Area Radon Information for Zip Code: 94928

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.240 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 & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F

AERIAL PHOTOGRAPHS

Vacant Lot - Rohnert Park

Business Park Drive & Dowdell Avenue

Rohnert Park, CA 94928

Inquiry Number: 4892010.12

March 28, 2017

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

03/28/17

Site Name:

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell
Rohnert Park, CA 94928
EDR Inquiry # 4892010.12

Client Name:

ATC Group Services LLC
2400 Camino Ramon, Suite 360
San Ramon, CA 94583
Contact: Destiny Hazra

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
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1993	1"=500'	Acquisition Date: July 10, 1993	USGS/DOQQ
1982	1"=500'	Flight Date: July 10, 1982	USDA
1973	1"=500'	Flight Date: September 25, 1973	USGS
1968	1"=500'	Flight Date: April 27, 1968	USGS
1952	1"=500'	Flight Date: June 08, 1952	USGS
1942	1"=500'	Flight Date: June 03, 1942	USDA

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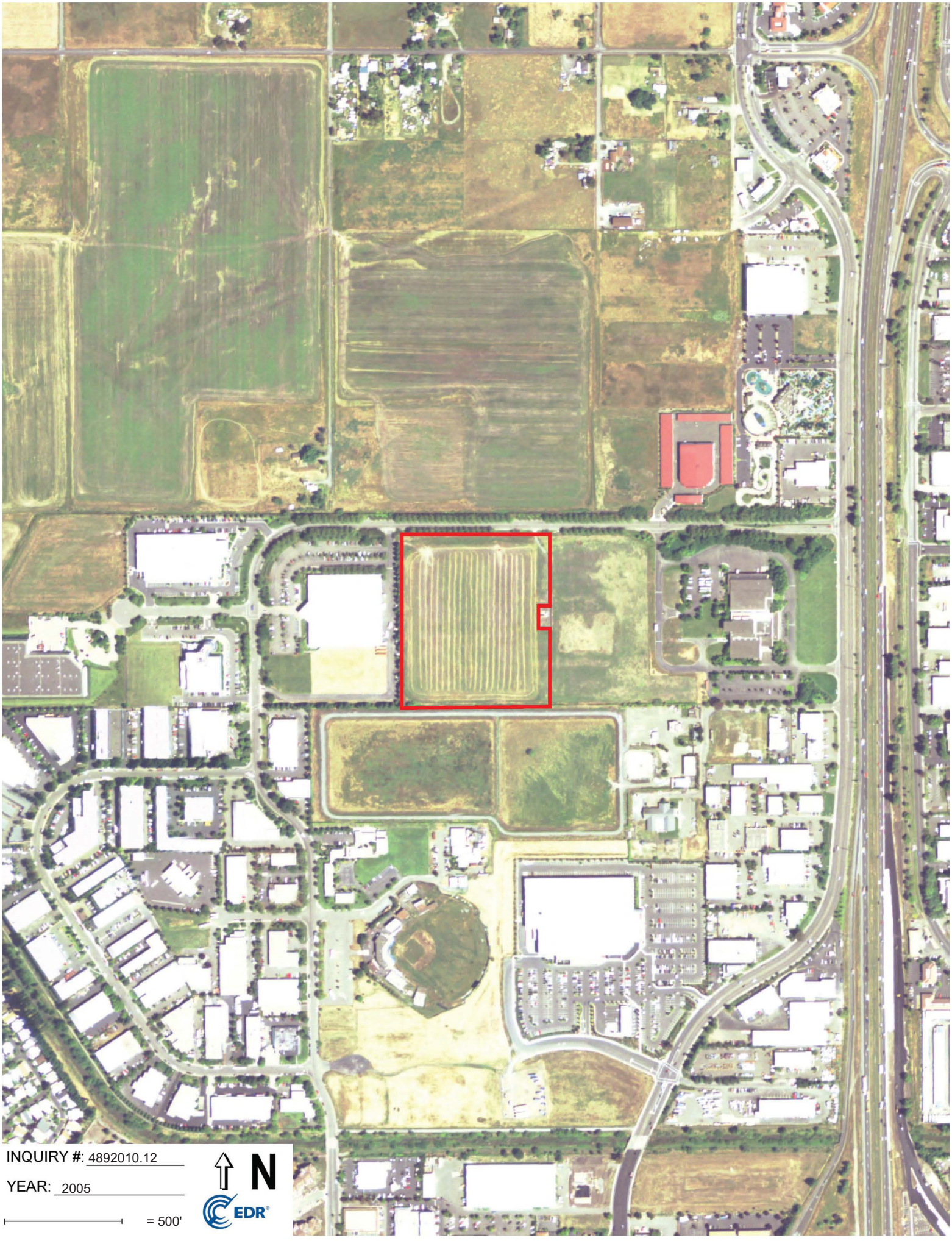
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INQUIRY #: 4892010.12
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 4892010.12
YEAR: 2010
= 500'
N
EDR

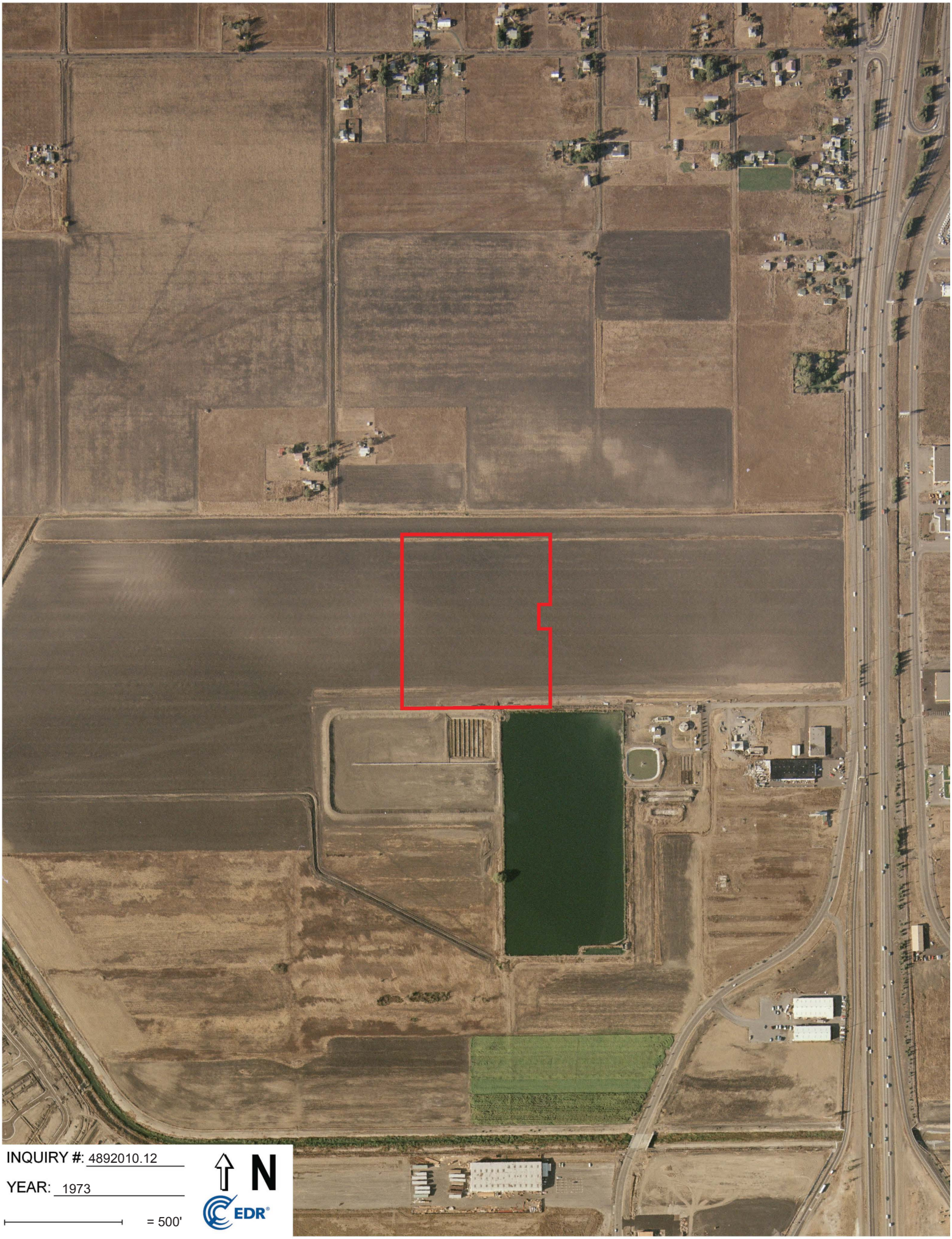

INQUIRY #: 4892010.12
YEAR: 2009
= 500'
N
EDR

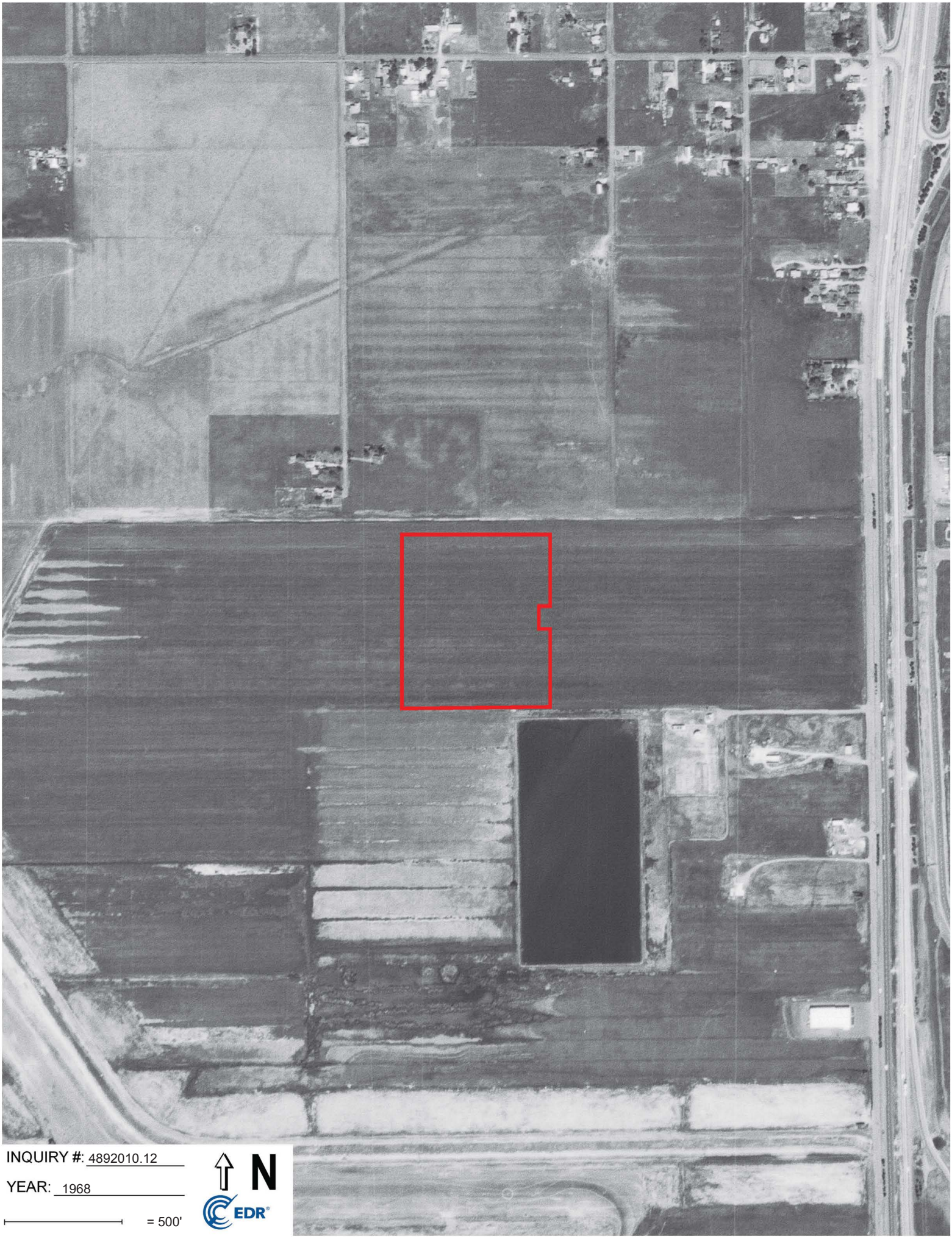

INQUIRY #: 4892010.12
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4892010.12
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 4892010.12
YEAR: 1993
= 500'
N
EDR


INQUIRY #: 4892010.12
YEAR: 1982
= 500'
N
EDR


INQUIRY #: 4892010.12
YEAR: 1973
= 500'
N
EDR



INQUIRY #: 4892010.12

YEAR: 1968

= 500'

N

EDR



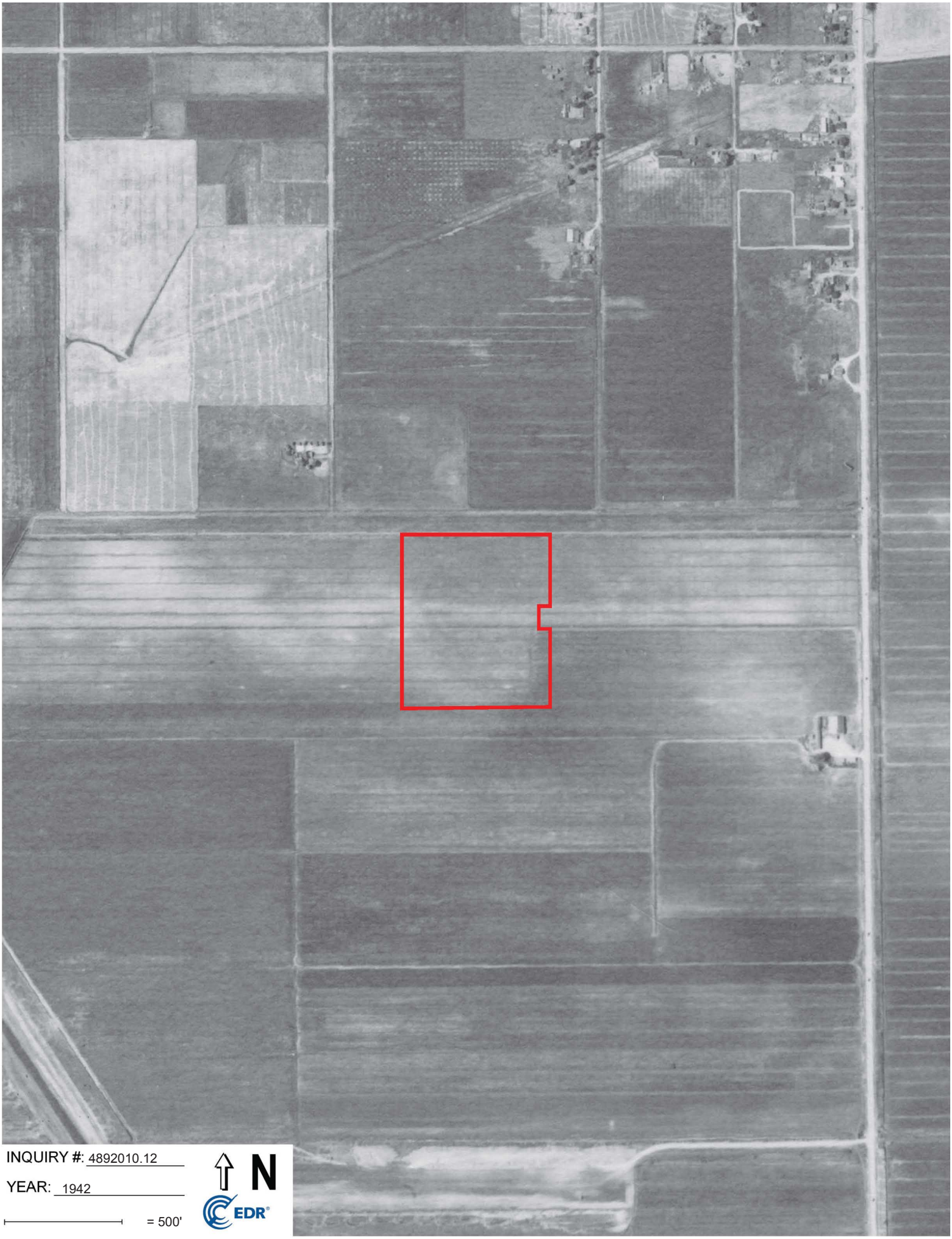
INQUIRY #: 4892010.12

YEAR: 1952

= 500'

N

EDR



INQUIRY #: 4892010.12

YEAR: 1942

= 500'

N

EDR

APPENDIX G

HISTORICAL RESEARCH DOCUMENTATION

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Inquiry Number: 4892010.5
March 28, 2017

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory 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.

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*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☑	☐	Cole Information Services
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Year	*CD Image*	*Source*	
BUSINESS PARK DR			
2013	pg A1	Cole Information Services	
2008	-	Cole Information Services	Target and Adjoining not listed in Source
2003	pg A4	Cole Information Services	
1999	pg A6	Cole Information Services	
1995	pg A8	Cole Information Services	
1992	pg A10	Cole Information Services	
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source
DOWDELL AVE			
2013	pg A2	Cole Information Services	
2008	pg A3	Cole Information Services	
2003	pg A5	Cole Information Services	
1999	pg A7	Cole Information Services	
1995	pg A9	Cole Information Services	
1992	pg A11	Cole Information Services	
1985	pg A12	Haines Criss-Cross Directory	
1980	pg A13	Haines Criss-Cross Directory	
1975	pg A14	Haines Criss-Cross Directory	

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

BUSINESS PARK DR 2013

5500	COMPUMOTOR CORP

Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 2013

4443	SALVADOR SANCHEZ
4455	VICTORIA LINGRON
4471	MARK MARTINI
4475	OCCUPANT UNKNOWN
4483	JOSE DELATORRE
4521	OCCUPANT UNKNOWN
4649	DON ROBERTS
	ROBERTS SERVICE & CONSTRUCTION

Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 2008

4443 SALVADOR SANCHEZ
4455 VICTORIA LINGRON
4471 ADAM WALSH
4475 OCCUPANT UNKNOWN
4483 JOSE DELATORRE
4647 OCCUPANT UNKNOWN
4649 DON ROBERTS
ROBERTS MECHANICAL & ELECTRICAL INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

BUSINESS PARK DR 2003

5500 COMPUMOTOR CORP
PARKER COMPUMOTOR
RONGJUN ZHANG

Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 2003

4443	DAVID MOORE
4455	FERN LINGRON
4475	LOUIS MACHADO
4483	PATRICIA HINRICHS
4521	CHERIE SIEGEL
4647	THOMAS CHAUNCY
4649	ROBERTS MECHANICAL & ELCTRCL
	THOMAS ROBERTS

Target Street	Cross Street	Source
✓	-	Cole Information Services

BUSINESS PARK DR 1999

5500 COMPUMOTOR CORPORATION
PARKER HANNIFIN COMPUMOTOR CORPORATION

Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 1999

4443 SALVADOR SANCHEZ
4455 VICTORIA LINGRON
4483 JOSE DELATORRE
4649 DON ROBERTS
ROBERTS MECHANICAL & ELECTRICAL INCORPORATED

Target Street	Cross Street	Source
✓	-	Cole Information Services

BUSINESS PARK DR 1995

5500 COMPUMOTOR CORP

Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 1995

4443 OCCUPANT UNKNOWNN
4471 MACHADO, ZELINA A
4475 MACHADO, LUIS
4483 HINRICHS, P
4649 ROBERTS MECHANICAL & ELEC INC
ROBERTS, WADE

Target Street	Cross Street	Source
✓	-	Cole Information Services

BUSINESS PARK DR 1992

5500 COMPUMOTOR CORP

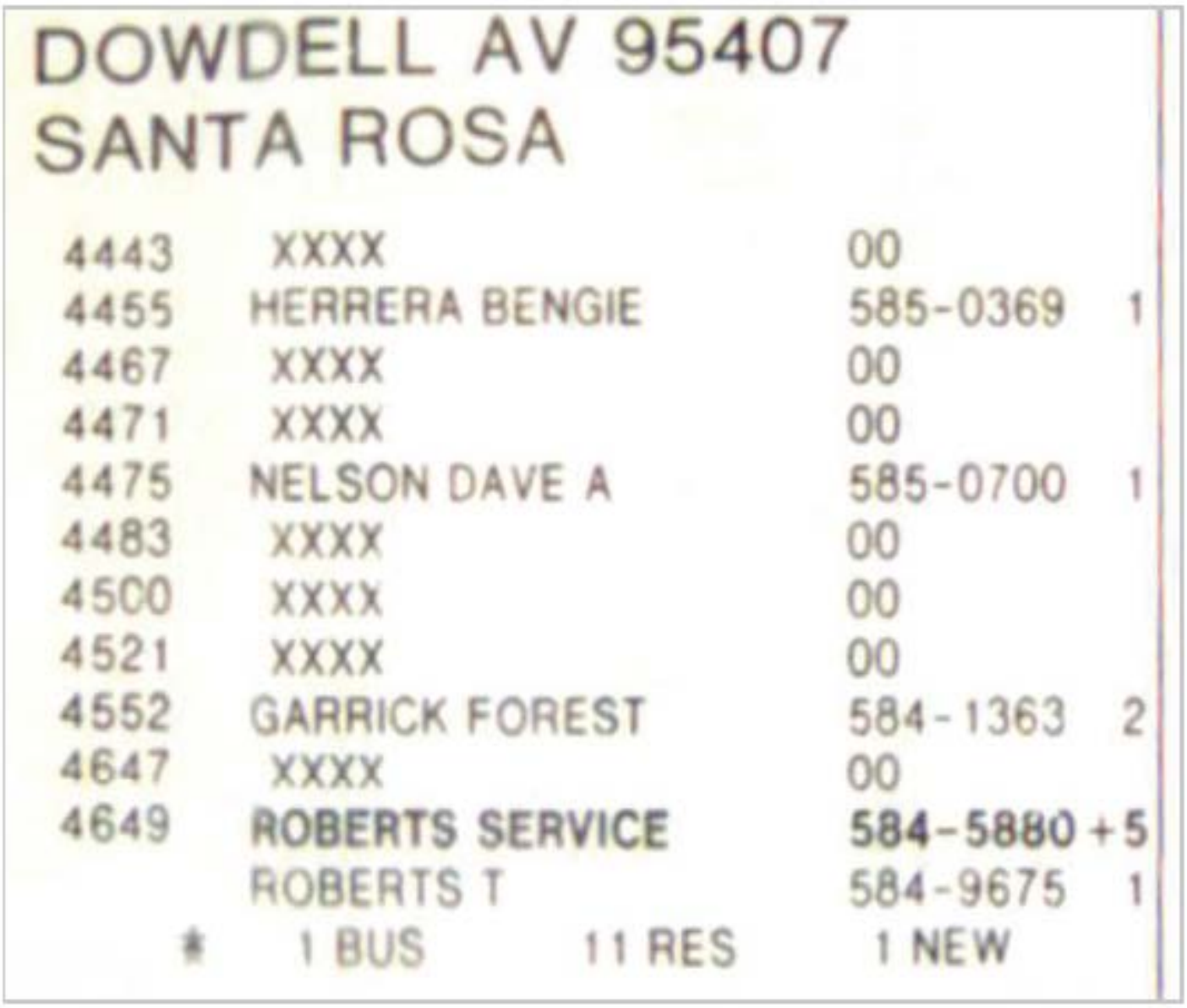
Target Street	Cross Street	Source
✓	-	Cole Information Services

DOWDELL AVE 1992

4443	STACK, BOB
4475	MACHADO, LUIS A
4552	HUDSON, JACK
4649	ROBERTS SERVICE

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DOWDELL AVE 1985



DOWDELL AV 95407
SANTA ROSA

4443	XXXX	00	
4455	HERRERA BENGIE	585-0369	1
4467	XXXX	00	
4471	XXXX	00	
4475	NELSON DAVE A	585-0700	1
4483	XXXX	00	
4500	XXXX	00	
4521	XXXX	00	
4552	GARRICK FOREST	584-1363	2
4647	XXXX	00	
4649	ROBERTS SERVICE	584-5880	+5
	ROBERTS T	584-9675	1

1 BUS 11 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DOWDELL AVE 1980



DOWDELL AV 95401
SANTA ROSA

4443	XXXX	00
4455	HERRERA BENGIE	527-9043 9
4467	GONSALVES CARL SR	544-1611+0
4471	REED SOLOMON	584-9057+0
4475	NELSON DAVE A	546-6372
4483	CANILLO LUCILLE-MRS	545-3049
4500	DUCHARM ALFRED	545-1817
4521	LEIKER BRUCE H	795-9345 9

ZIP CODE 95404

4552	XXXX	CO
4647	CHAUNCY THOS B	544-1665
4649	HUMPHRIES ROBT	545-5829

★ 0 BUS 11 RES 2 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

DOWDELL AVE 1975

DOWDELL AV 95401 SANTA ROSA

4443 JONES VICTCRIA 545-6120
4455 HERRERA BENGIE 546-8607 4
4475 NELSON DAVE A 546-6372
4483 CANILLO LUCILLE MRS 545-3049
4500 DUCHARM ALFRED 545-1817

ZIP CODE 95404

4552 XXXX CO
4647 CHAUNCY THOS B 544-1665
4649 HUMPHRIES ROBT 545-5829
* 0 BUS 8 RES 0 NEW

Vacant Lot - Rohnert Park

Business Park Drive & Dowdell Avenue

Rohnert Park, CA 94928

Inquiry Number: 4892010.3

March 28, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/28/17

Site Name:

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell
Rohnert Park, CA 94928
EDR Inquiry # 4892010.3

Client Name:

ATC Group Services LLC
2400 Camino Ramon, Suite 360
San Ramon, CA 94583
Contact: Destiny Hazra

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by ATC Group Services LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 9A38-4EC9-9A2C

PO # NA

Project NA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 9A38-4EC9-9A2C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Vacant Lot - Rohnert Park

Business Park Drive & Dowdell Avenue

Rohnert Park, CA 94928

Inquiry Number: 4892010.4

March 28, 2017

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

03/28/17

Site Name:

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell
Rohnert Park, CA 94928
EDR Inquiry # 4892010.4

Client Name:

ATC Group Services LLC
2400 Camino Ramon, Suite 360
San Ramon, CA 94583
Contact: Destiny Hazra

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ATC Group Services LLC 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: NA

Coordinates:

Latitude:	38.356602 38° 21' 24" North
Longitude:	-122.719075 -122° 43' 9" West
UTM Zone:	Zone 10 North
UTM X Meters:	524544.57
UTM Y Meters:	4245419.30
Elevation:	95.00' above sea level

Maps Provided:

2012
1980
1973
1968
1954
1944
1916

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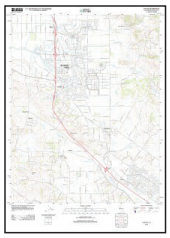
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Cotati

7.5-minute, 24000



Santa Rosa

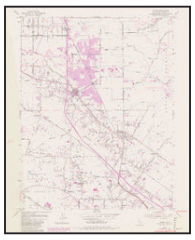
7.5-minute, 24000

1980 Source Sheets



Santa Rosa

7.5-minute, 24000
Aerial Photo Revised 1978



Cotati

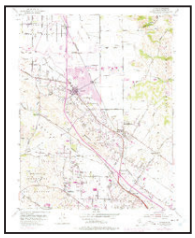
7.5-minute, 24000
Aerial Photo Revised 1979

1973 Source Sheets



Santa Rosa

7.5-minute, 24000
Aerial Photo Revised 1973



Cotati

7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



Santa Rosa

7.5-minute, 24000
Aerial Photo Revised 1968



Cotati

7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1954 Source Sheets



Cotati

7.5-minute, 24000
Aerial Photo Revised 1952



Santa Rosa

7.5-minute, 24000
Aerial Photo Revised 1952

1944 Source Sheets



Santa Rosa

15-minute, 62500

1916 Source Sheets

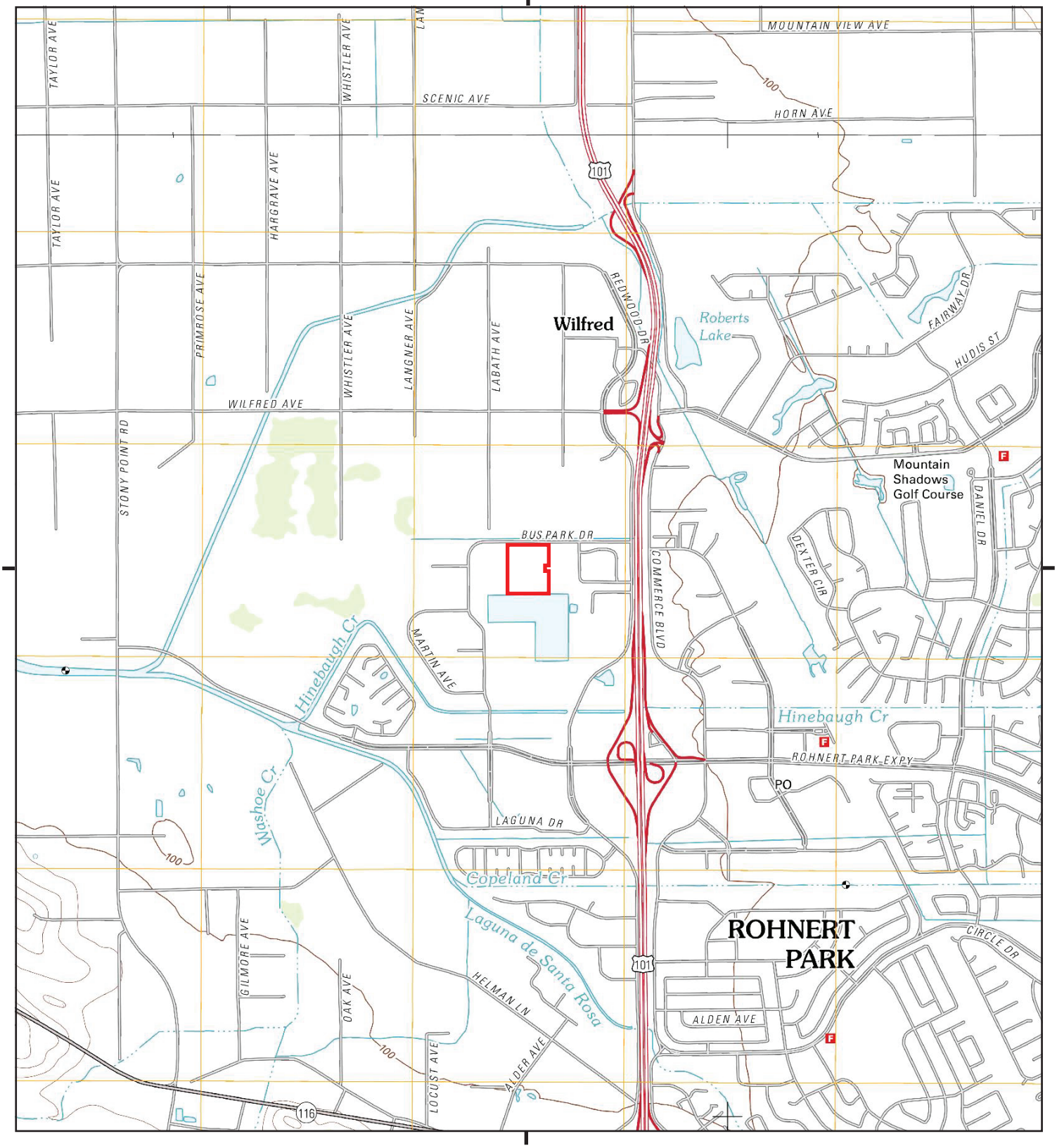


Santa Rosa

15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

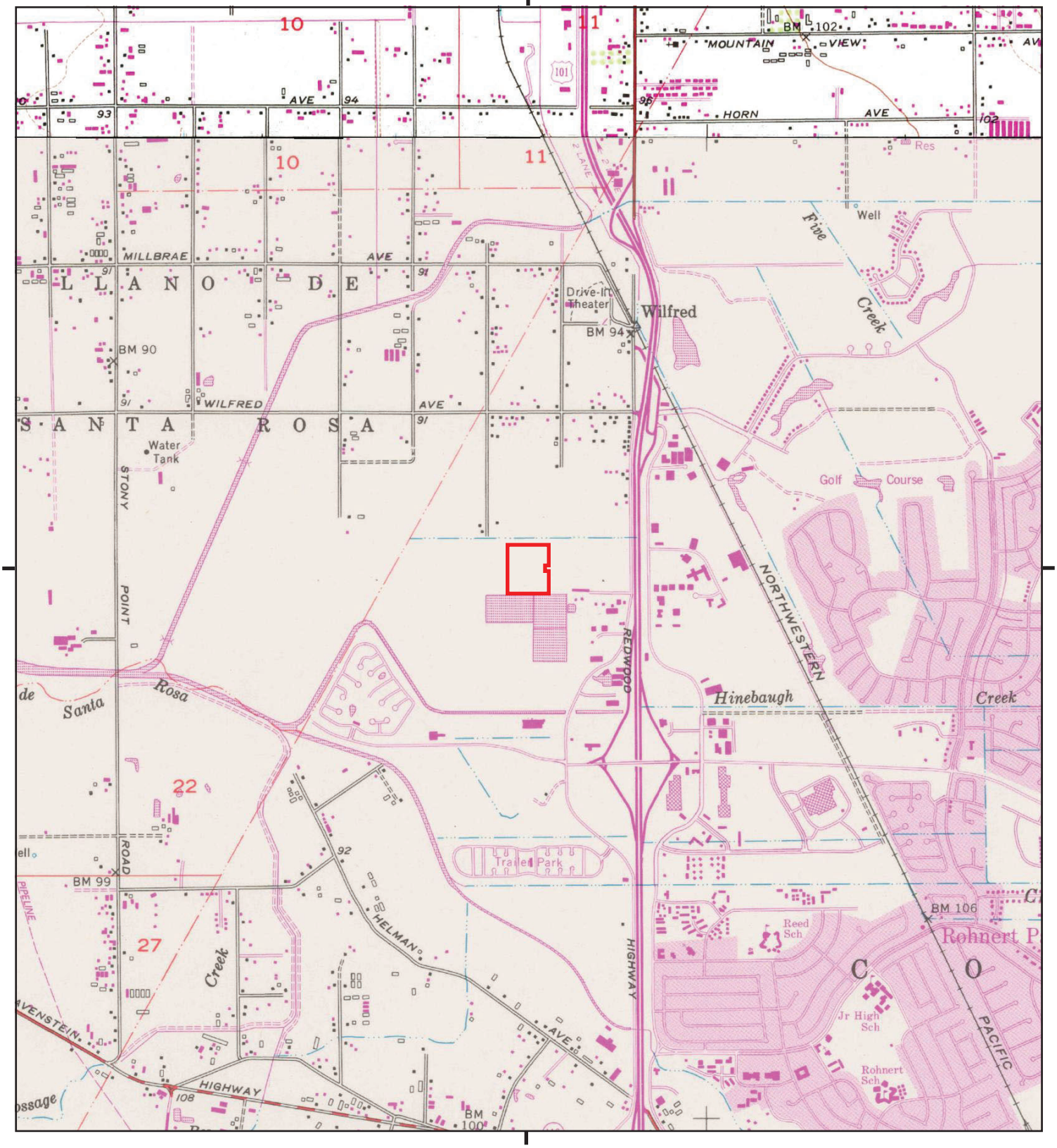
TP, Cotati, 2012, 7.5-minute
N, Santa Rosa, 2012, 7.5-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

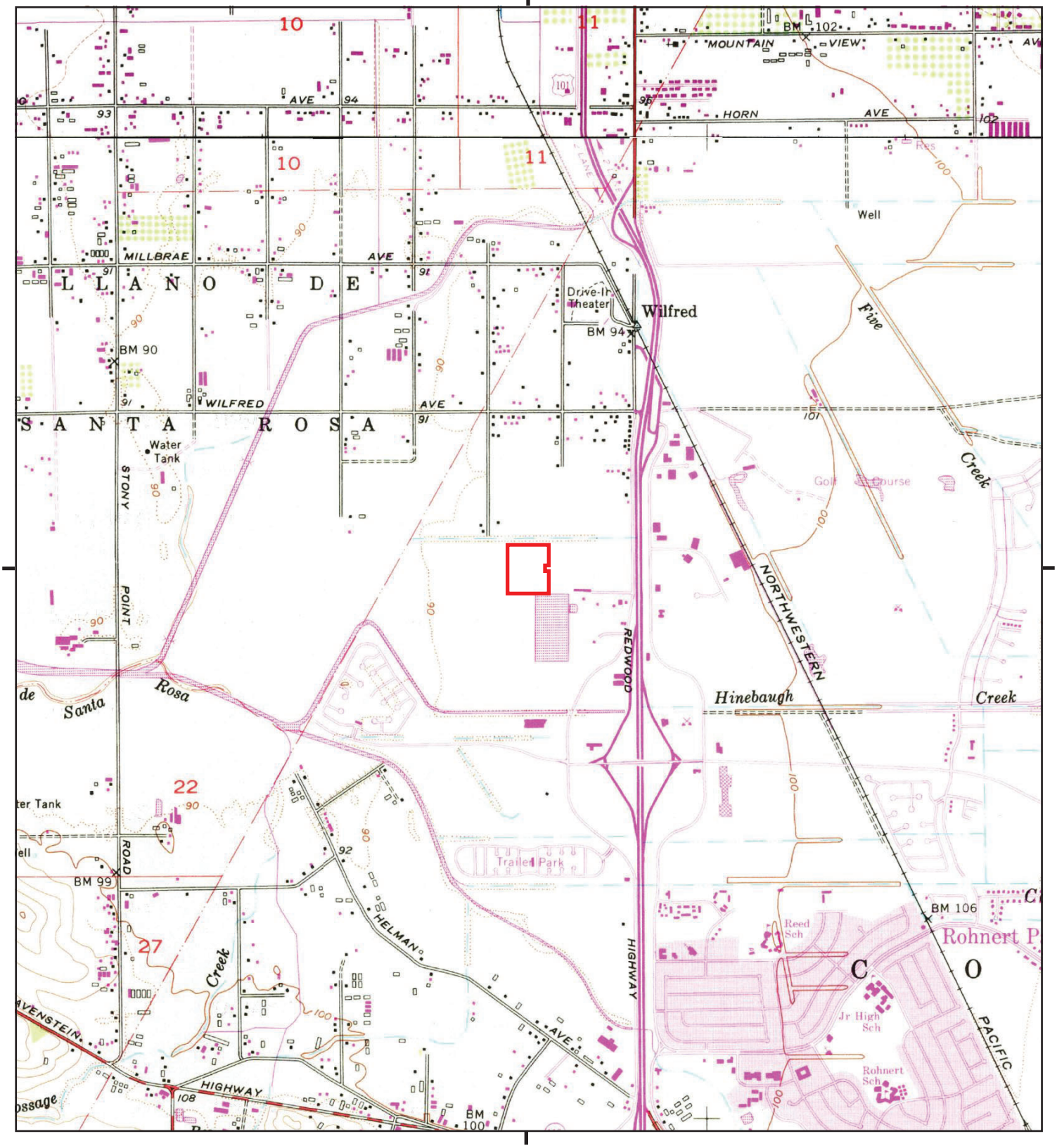
TP, Cotati, 1980, 7.5-minute
N, Santa Rosa, 1980, 7.5-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

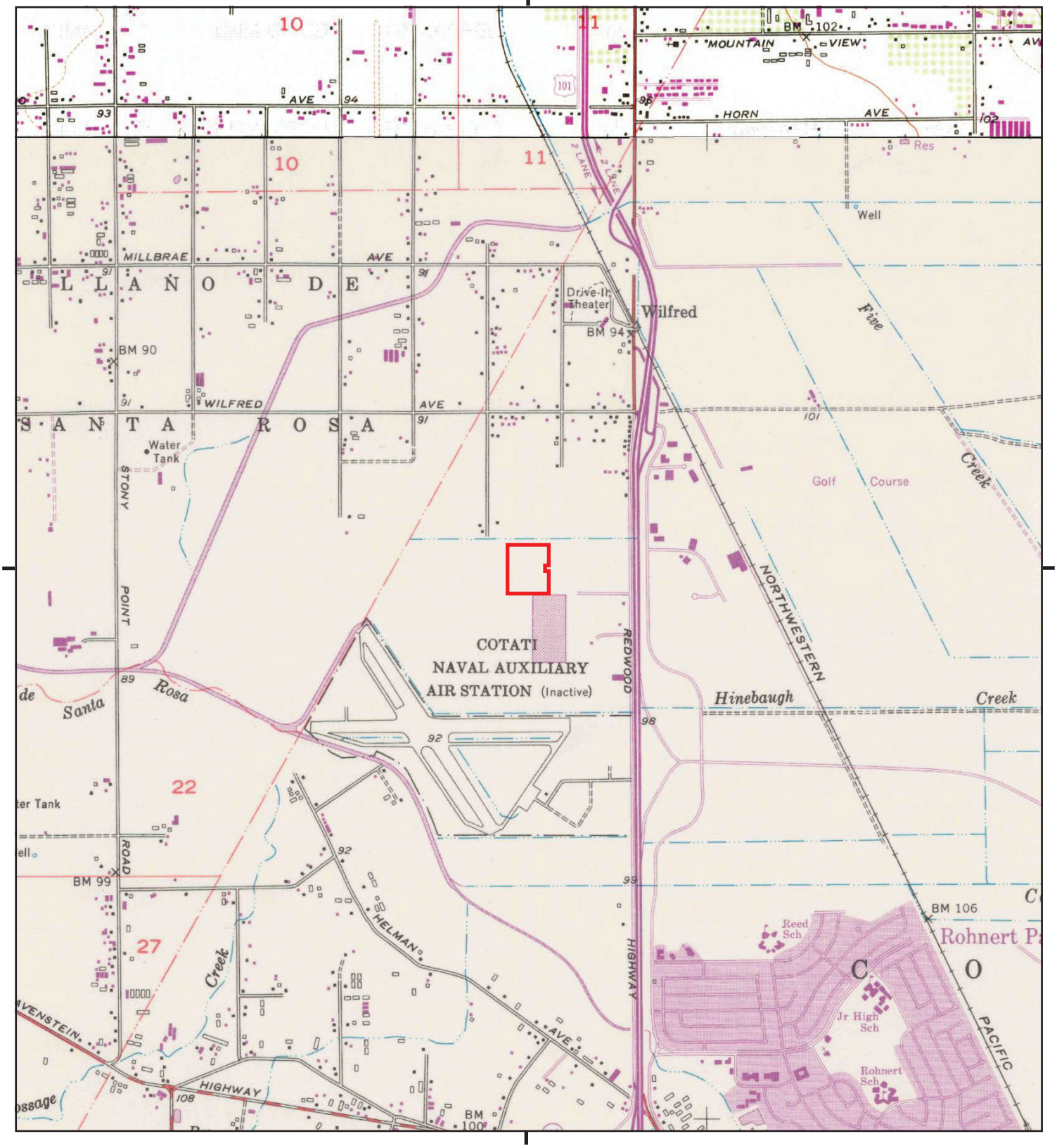
TP, Cotati, 1973, 7.5-minute
N, Santa Rosa, 1973, 7.5-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

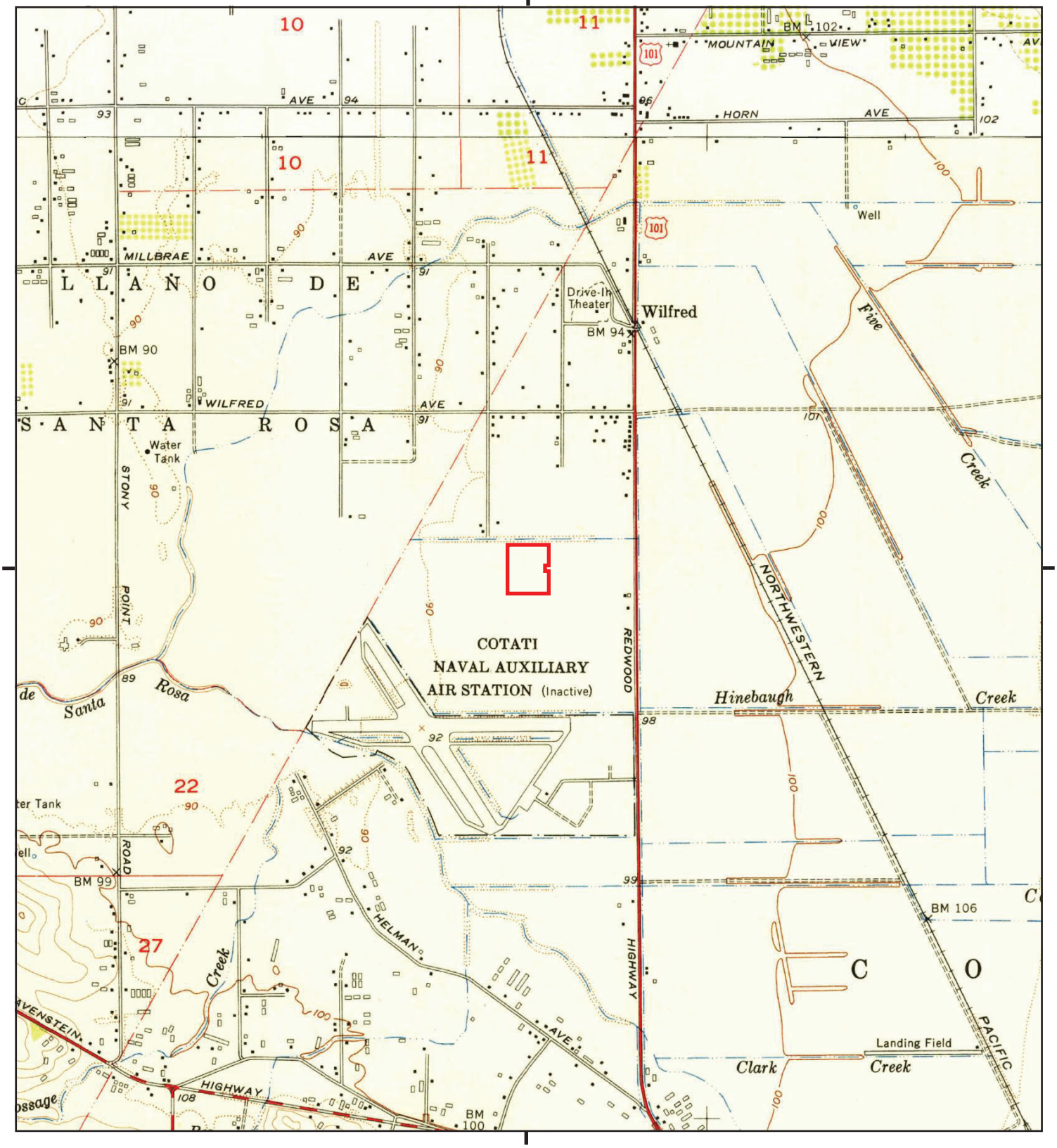
TP, Cotati, 1968, 7.5-minute
N, Santa Rosa, 1968, 7.5-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

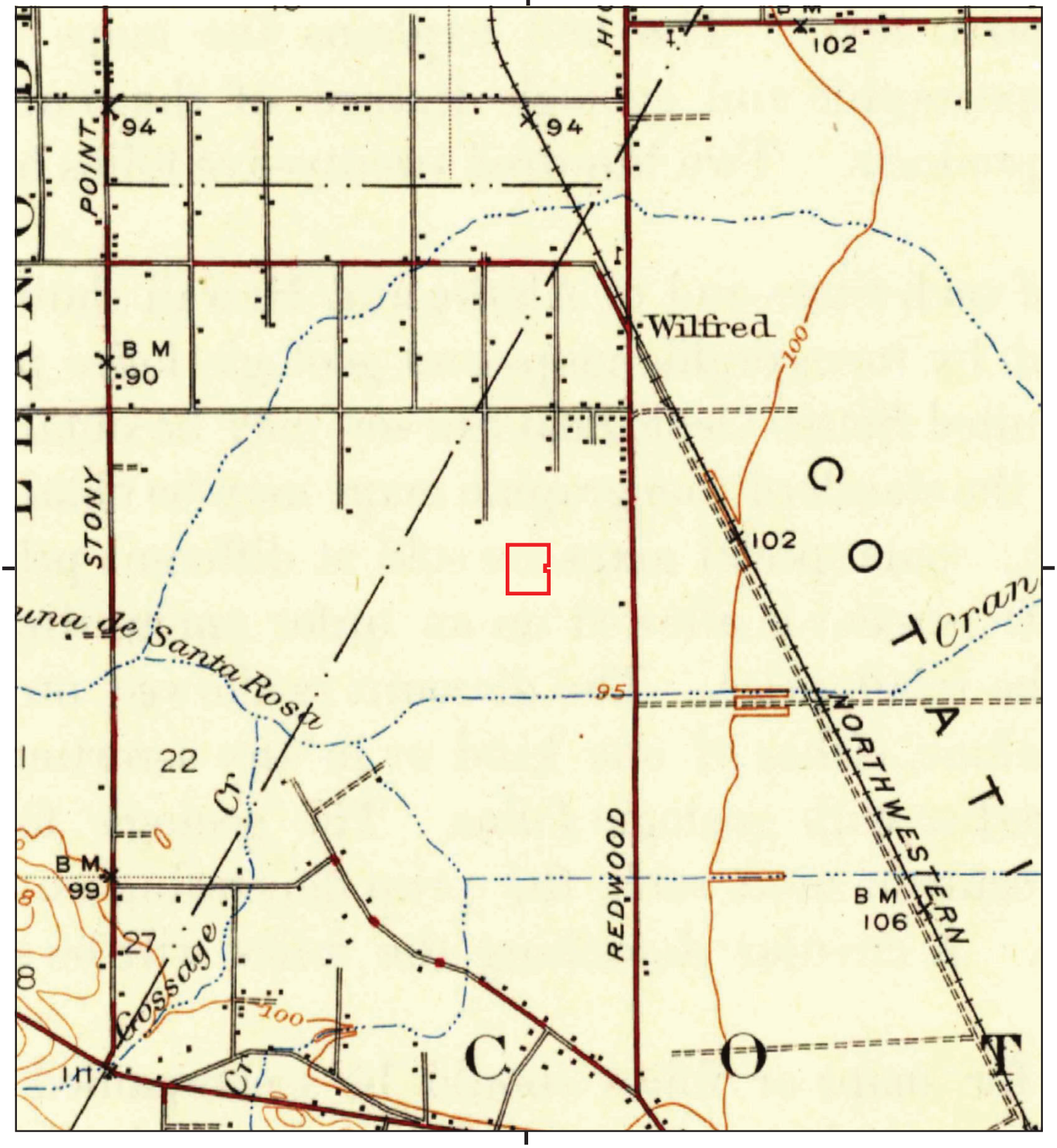
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cotati, 1954, 7.5-minute
N, Santa Rosa, 1954, 7.5-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N



This report includes information from the following map sheet(s).

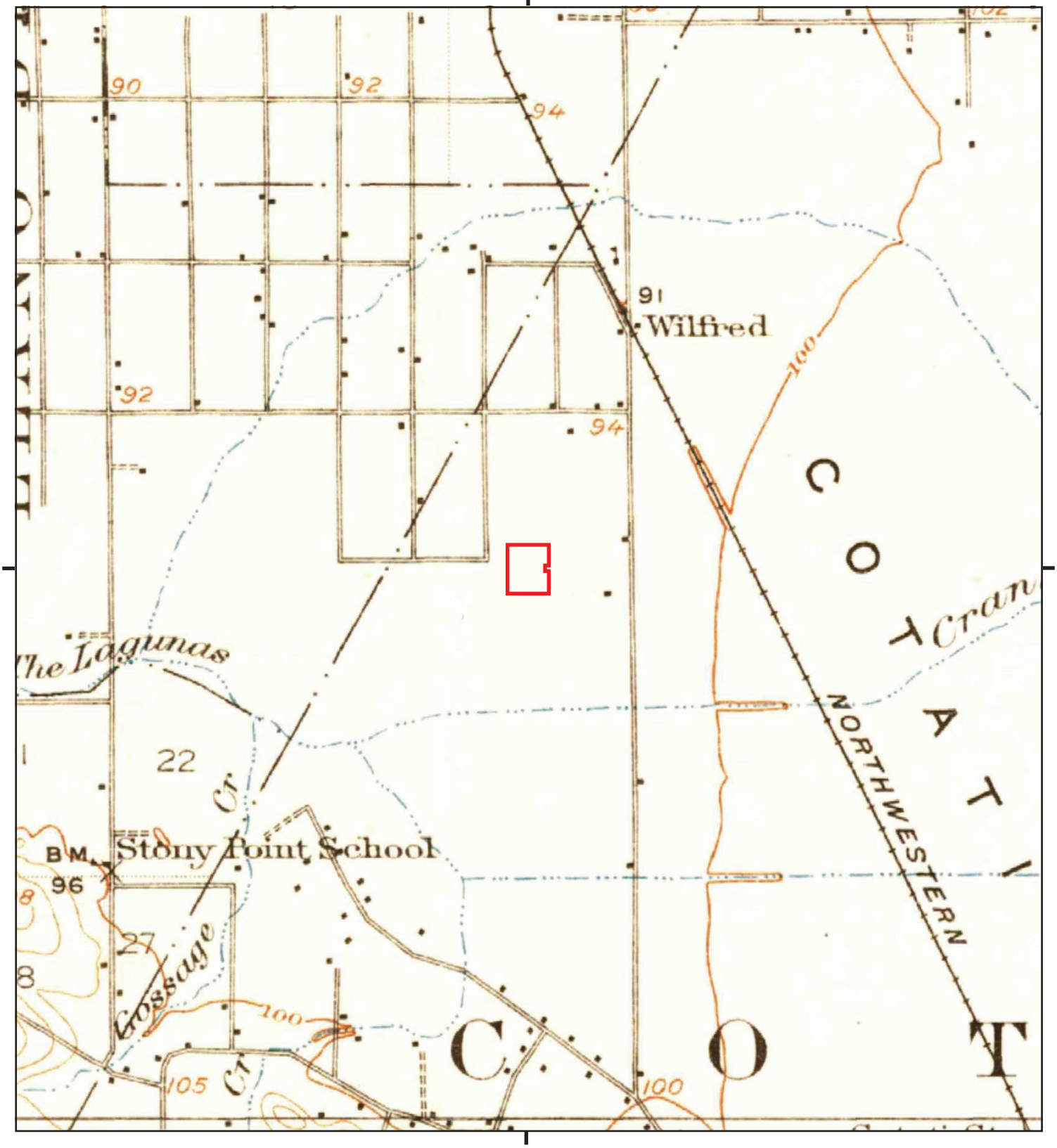
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Rosa, 1944, 15-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Rosa, 1916, 15-minute

SITE NAME: Vacant Lot - Rohnert Park
ADDRESS: Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928
CLIENT: ATC Group Services LLC

N

APPENDIX H

PRIOR REPORTS

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APPENDIX I

RESUMES

Destiny S. Hazra
M.A.

PROFESSIONAL SUMMARY

Ms. Hazra is responsible for conducting Phase I Environmental Site Assessments and Environmental Assessments in accordance with ASTM E 1527-13 and the National Environmental Policy Act. Ms. Hazra also performs various phases of biological and environmental field investigations, environmental permitting and data analysis related to the preparation of technical reports in accordance with the NEPA

PROJECT EXPERIENCE

Market Sector

- **Phase I Environmental Site Assessments:** Conducts Environmental Assessments for major financial loan institutions and national clients in accordance with client-specific and/or ASTM protocols. Specific activities performed included site inspections; title searches; historical aerial photograph analyses; topographic and geologic map analyses; federal, state and local agency file reviews; and technical report preparation.
- **National Environmental Policy Act (NEPA) Consultant:** Conducts various phases of biological and environmental field investigations and data analysis related to the preparation of technical reports in accordance with NEPA. Current projects involve Environmental Planning to provide technical guidance, environmental documentation, regulatory permitting and agency coordination for an informed decision-making process related to Capital Improvement projects. Projects involve sustainable development/design to ensure environmental issues such as noise and vibration, air quality, critical habitat, hazardous wastes, soil and water quality are considered and these implications are balanced between society and stakeholders.
- **Environmental Site Assessments, City of Miami, Department of Economic Development:** Performed large scale environmental assessment for the City of Miami/Department of Economic Development. Project included large tracts of developed land encompassing several city blocks (800+ properties) with detailed historical and regulatory summaries, site reconnaissance information, and recommendations for additional assessment, as warranted. Data was managed in MS Access database to allow for use of data in GIS analysis.
- **Transaction Screening Reports:** Performs Transaction Screenings of commercial, industrial, retail, and telecommunications facilities in accordance with ASTM E 1527-13.
- **National Environmental Policy Act (NEPA) Reviews:** Conducts Environmental Site Assessments, NEPA compliance studies, Biological Assessments, environmental permitting and additional NEPA requirements under the State Historic Preservation Office (SHPO) and Tribal Historic Preservation Office (THPO).
- **Faunal Density and Community Composition of the Nearshore Zone for the Florida Comprehensive Everglades Restoration Project**: Managed and expedited all biological data sampling, identification of species, data processing, publishing reports. In addition, performed GIS and data acquisitions for a National Geodetic Survey (NGS)-sponsored Shallow Water Positioning System (SWaPS) Project mapping nearshore benthic habitats in Biscayne Bay, Florida. Coordinated the GIS-based field data acquisition of continuous high-resolution photographic data to monitor benthic habitats, assisted with the spatial analysis and correlative statistics for processed field data, and published results in a peer-reviewed journals.

PROFESSIONAL REGISTRATIONS

- Certified Asbestos Inspector, State of California, Division of Occupational Safety and Health (Certificate Number 38295 IR, 2016)

EDUCATION

- M.A., Marine Affairs and Policy, University of Miami
- B.S., Biology, Wofford College

TRAINING AND CERTIFICATIONS

- Medic First Aid and CPR Training (CA, 2015)

PROFESSIONAL AFFILIATIONS

- American Planning Association (APA), Florida Chapter
- Professional Planner in Training
- Environmental Professional

PUBLICATIONS

- Johnson, D. R., J. A. Browder, M. B. Robblee, J. Hall, D. S. Hazra, and P. Brown-Eyo. 2006. The Biscayne Bay Commercial Fisheries for Pink Shrimp (*Farfantepenaeus duorarum*), 1986-2005, and Relationship with Salinity and Freshwater Flow. Report to the South Florida Water Management District, West Palm Beach, Florida.

- Lirman, D. , Deangelo, G., Serafy, J., Hazra, A., Smith Hazra, D. and Brown, A. 2006. Geospatial video monitoring of nearshore benthic habitats of western Biscayne Bay (Florida, USA) using the Shallow-Water Positioning System (SWaPS). Journal of Coastal Research.

- Johnson D. R., J. A. Browder, J. E. Serafy, M. B. Robblee' and D. S. Hazra. 2006. Epibenthic Fauna Adjacent to the South Biscayne Bay Shoreline in Relation to Seagrass, Shoreline Fishes, and Salinity. Currently under review.

GABE STIVALA, P.G.
Senior Geologist

PROFESSIONAL SUMMARY

Mr. Stivala is Professional Geologist has over 25 years of environmental program and project management. He manages environmental assessments, remedial alternative testing, and environmental support for construction and demolition projects. He is adept at negotiating environmental solutions with regulators, attorneys and clients. In his capacity as a senior environmental professional, he has managed environmental programs in the oil & gas and aviation industries and manages environmental risks for variety of other clients. Mr. Stivala's regional experience spans California, Oregon, Washington, Florida, and Georgia.

Mr. Stivala is well-versed in the management and preparation of a range of technical reports including site investigation work plans, corrective action plans, remedial action plans, feasibility studies, site conceptual models, groundwater monitoring reports, soil management plans, Phase I & II ESAs, and vapor intrusion studies.

Mr. Stivala has over 25 years in environmental management including assessment, remediation, and due diligence for a variety of client

Mr. Stivala' s experience with environmental assessment techniques includes various drilling methods - hollow-stem auger, direct-push, sonic, mud rotary, air rotary, and cone penetrometer testing. He also has significant experience with high resolution in situ assessment techniques including Membrane Interface Probe (MIP), Laser Induced Fluorescence (LIF/UVOST), Rapid Optical Sensing Technology (ROST), Ultraviolet Induced Fluorescence (UVIF), Hydraulic Profiling Tool (HPT), Cone Penetrometer Technology (CPT). He is also knowledgeable various subsurface media sampling and testing protocols, analytical methods, and forensic data interpretation. Mr. Stivala has managed and implemented several remedial alternatives including multi-phase extraction, air sparging, bioventing, pump & treat, in situ chemical oxidation, surfactant application, permeable reactive barriers, and excavation.

Mr. Stivala has experience with assessment and remediation of a variety of contaminants including petroleum hydrocarbons, chlorinated solvents, PCBs, and metals.

Mr. Stivala is dedicated to protecting workers' well-being by fostering a strong culture of health and safety in the workplace. Mr. Stivala has extensive experience with behaviour-based health & safety philosophies such as the Loss Prevention System. He has led safety-related near-miss/loss investigations, performed field safety observations and feedback sessions, as well as tracked company's regional use of health & safety documentation tools.

PROJECT EXPERIENCE

- **Retail Petroleum Portfolio Management / Western U.S. From 2005 to present**. Program and project management or retail petroleum portfolios for Chevron Environmental Management Company, Phillips 66 Company, ConocoPhillips, and ExxonMobil, and sites. Responsible for stewarding teams of project managers and scientists in the assessment and remediation of petroleum-impacted sites of varying sizes. Personally managed portfolios of over 40 projects at a time with annual revenue of over $2.5 million. Sites consist of bulk fuel terminals and service stations. Implemented assessment technologies, such as Membrane Interface Probe, Rapid Optical Screening Tool, and Ultraviolet Induced Fluorescence. Managed implementation of remedial alternatives including multi-phase extraction, air sparging, ozone sparging, bio sparging, in situ chemical oxidation, Trap & Treat (inoculated- activated carbon injection) and surfactant enhanced aquifer remediation. Presented remedial action plans to Chevron's in-house remediation

- **Airport Facility Site Assessment & Remediation / Nationwide. Managed large-scale contamination assessment and remediation projects at San Francisco, Oakland, Sacramento and Miami Airports from1991 to 2008.** Project manager for a variety of assessment and remediation projects. Contaminants included petroleum, chlorinated solvents, and metals. Performed jet fuel bulk storage facilities assessments at San Francisco, Oakland and Sacramento International Airports. Major clients include United Airlines, SFO Fuel, PS Trading, Chevron, and Dade County Aviation Department. Interfaced with airport and regulatory agency officials. Coordinated "air-side" activities under expedited schedules. Performed fuel-hydrant line closures and provided environmental support for airport facilities modification projects.
- **Fractured Bedrock Investigation / San Francisco International Airport**. Field manager for bedrock drilling project. Supervised drilling of multilevel monitoring wells up to 500 feet deep into fractured bedrock as part of a chlorinated solvent assessment. Down-hole geophysical logging was performed to identify fracture zones. Logging included caliper, resistivity, gamma, and video logging. Wells were drilled using a mud and air rotary rig.
- **Aviation Fuel Storage Facilities Demolitions / San Francisco, Oakland Airports and Sacramento**. Program manager for the decommissioning of aviation fuel distribution facilities. Orchestrated demolition of bulk jet fuel storage tank facilities and subsequent assessment and remediation. Negotiated with regulatory authorities and outside consultants. Post-demolition remediation included excavation and in situ chemical oxidation.
- **San Francisco Bay Area Landfill Monitoring, Assessment and Redevelopment Projects.** Implemented storm water and groundwater monitoring programs for landfills in Brisbane, Santa Clara, and Lincoln, California**.** Oversaw drilling for geotechnical and environmental assessment for landfills undergoing redevelopment. Provided oversight of landfill excavation for of a major subsurface electrical installation.
- **Former Solvent Packaging Facility Remediation, Union City, CA**. Maintained a large groundwater/soil remediation system located at a former solvent packaging facility. Chlorinated solvent contamination from the facility extended a quarter mile offsite and was captured using 22 groundwater extraction wells pumping from two separate aquifers. Air treatment was performed using a resin absorption unit.
- **Railroad Facilities Assessment and remediation/ Western United States**. Managed environmental site assessment projects at Union Pacific Railroad sites in California and Oregon. Projects consisted of assessments of petroleum, solvents, metals, and pesticides contamination.

PROFESSIONAL REGISTRATIONS

- Registered Professional Geologist (CA #7780)

EDUCATION

- B.S., Geological Sciences, University of Miami (FL)
- Graduate Leve Hydrogeology Studies, Florida International University

TRAINING AND CERTIFICATIONS

- OSHA 40-Hour Hazardous Waste Operations Training
- OSHA 8-Hour Hazardous Waste Operations Supervisor Training
- Loss Prevention System (LPS) Training
- BATC Refinery Safety Training

APPENDIX J

RECORDS OF COMMUNICATION

Fax Transmittal

To:	DTSC	**Fax:**	510-540-3801
From:	Destiny Hazra	**Date:**	March 28, 2017
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@atcassociates.com		

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 4/3/17

Additional Notes:

Dear Staff:

ATC is conducting an environmental site assessment and would like to review files for the following addresses:

Vacant Parcel
Southwest corner of Business Park Drive & Dowdell Avenue (Parcel #143-040-064)
Rohnert Park, CA

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

ATC

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
700 Heinz Avenue
Berkeley, California 94710-2721

Edmund G. Brown Jr.
Governor

March 30, 2017

Destiny Hazra
ATC Associates
305-357-1879
Destiny.hazra@atrcassociates.com

PR2-032817-02

SW Corner Business Park Dr. & Dowdell Ave. (no sites on either street), Rohenrt Park, CA

Dear Ms. Hazra:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: http://www.envirostor.dtsc.ca.gov/public. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.

If you have any questions, would like further information regarding your request or would like an appointment to visit Berkeley's Central Files, please contact me at (510)540-3800.

Sincerely,

Carl Rose
Regional Central Files Coordinator
Tel: 510-540-3800 / Fax: 510-540-3801
Berkeleyfileroom@DTSC.CA.GOV

Printed on Recycled Paper

Destiny Hazra

From: Destiny Hazra
Sent: Tuesday, March 28, 2017 10:23 AM
To: 'building@rpcity.org'
Subject: Request for files

ATC is conducting an environmental site assessment and would like to review any current of historical building files for the following address:

Vacant Parcel Southwest corner of Business Park Drive & Dowdell Avenue
Parcel #143-040-064
Rohnert Park, CA

Thank you,

Destiny Hazra | SENIOR SCIENTIST | **ATC Group Services LLC**
+1 925 460 5300 ext 2861 | +1 305 610 1935 mobile

2400 Camino Ramon, Suite 360 | San Ramon, CA 94583
+1 305 357 1879 fax | destiny.hazra@atcassociates.com | www.atcgroupservices.com

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Destiny Hazra

From: Destiny Hazra
Sent: Tuesday, March 28, 2017 10:25 AM
To: 'planning@rpcity.org'
Subject: zoning information

Hello,

ATC is conducting an environmental site assessment, could you please confirm the current zoning for the for the following address:

Vacant Parcel Southwest corner of Business Park Drive & Dowdell Avenue
Parcel #143-040-064
Rohnert Park, CA

Thank you,

Destiny Hazra | SENIOR SCIENTIST | **ATC Group Services LLC**
+1 925 460 5300 ext 2861 | +1 305 610 1935 mobile

2400 Camino Ramon, Suite 360 | San Ramon, CA 94583
+1 305 357 1879 fax | destiny.hazra@atcassociates.com | www.atcgroupservices.com

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Fax Transmittal

To:	Melinda Wong: RWQCB-SF Region	**Fax:**	510-622-2460
From:	Destiny Hazra	**Date:**	March 28, 2017
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@atcassociates.com Phone: 305-610-1935		

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 4/3/17

Additional Notes:

Dear Melinda:

ATC is conducting an environmental site assessment and would like to review files for the following addresses:

Vacant Parcel
Southwest corner of Business Park Drive & Dowdell Avenue (Parcel #143-040-064)
Rohnert Park, CA
If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

ATC

Fax Transmittal

To:	Sonoma County Permit & Resource Management Department	**Fax:**	707-565-1103
From:	Destiny Hazra	**Date:**	March 28, 2017
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@atcassociates.com 305-610-1935		

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 4/3/17

Additional Notes:

Dear Staff:

ATC is conducting environmental site assessments and would like to review files for the following addresses:

Vacant Parcel
Southwest corner of Business Park Drive & Dowdell Avenue (Parcel #143-040-064)
Rohnert Park, CA

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

ATC

Fax Transmittal

To:	Sonoma County Env. Health Dept.	**Fax:**	707-565-6525
From:	Destiny Hazra	**Date:**	March 28, 2017
Re:	File Review	**Pages:**	1
Cc:	destiny.hazra@atcassociates.com 305-610-1935		

☐ **Urgent** ☐ **Confidential** ☐ **Distribute to multiple personnel**

Date response needed by: 4/3/17

Additional Notes:

Dear Staff:

ATC is conducting environmental site assessments and would like to review files for the following addresses:

Vacant Parcel
Southwest corner of Business Park Drive & Dowdell Avenue (Parcel #143-040-064)
Rohnert Park, CA

If you have any files for the above listed sites, please contact me as soon as possible to set up the earliest available appointment for a file review. I appreciate your prompt attention to this matter. If you have any questions, please feel free to contact me.

Thank you,

ATC

County of Sonoma
FIRE & EMERGENCY SERVICES DEPARTMENT
FIRE SERVICES * EMERGENCY MANAGEMENT * HAZARDOUS MATERIALS

MARK ASTON, DIRECTOR/FIRE CHIEF

CALIFORNIA PUBLIC RECORDS ACT REQUEST

Fax (707) 565-1172

Name of Individual and/or Company Requesting Records: ATC			**Date: 03/28/2017**
Address: 2400 Camino Ramon, Suite 360			
City: San Ramon	**State CA**	**Zip 94583**	**Telephone: 305-610-1935**
Fax:	**E-Mail Address: destiny.hazra@atcassociates.com**		**Contact Person: Destiny Hazra**

Please complete one copy of this form for each Public Records Act request. Mail, fax, or e-mail the form. You will be advised as to whether or not we have records subject to release within 10 calendar days of receipt of the request. There will be a $0.32 per page charge, and you will be notified of the cost in advance of copies being made. There will be additional charges for copies of information in other forms (i.e., cassette tapes, VHS, etc.).

REQUEST FOR RECORDS PERTAINING TO:

Facility Name and/or Location: **Vacant Parcel**		
Address: **Southwest corner of Business Park Drive & Dowdell Avenue**		
City: **Rohnert Park, CA**	**Zip Code:**	**APN#: (143-040-064)**

Specify Types of Information Requested:

Files related to storage tanks, hazardous materials, incidents of fire, chemical storage and/or chemical release/spill

APPENDIX K

LABORATORY REPORTS

THIS SECTION INTENTIONALLY LEFT BLANK

APPENDIX L

OTHER SUPPORTING DOCUMENTATION

COUNTY of SONOMA
DEPARTMENT OF HEALTH SERVICES

Rita Scardaci, MPH – Director
Ruth Lincoln, PHN, MA – Assistant Director

Environmental Health Division
Walter L. Kruse - Director

November 30, 2006

Mr. Sam Caddle
Press Democrat, Inc.
5505 Redwood Drive
Rohnert Park, CA 94928

Re: 5505 Redwood Drive, Rohnert Park, California
SCDHS-EHD #00002419, NCRWQCB #1TSO870

Dear Mr. Caddle:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks 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 tanks 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 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 at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Walter L. Kruse

WALTER L. KRUSE, R.E.H.S.
Director of Environmental Health

475 Aviation Blvd., Suite 220, Santa Rosa, CA 95403 • *phone* (707) 565-6565 • *fax* (707) 565-6525 • www.sonoma-county.org

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information **Date: April 27, 2006**

Agency name:	Sonoma County Dept. Health Services	Address:	475 Aviation Blvd., Suite 220
City/State/Zip:	Santa Rosa, CA 95403	Phone:	(707) 565-6565
Responsible staff person:	Cliff Ives	Title:	Senior Environmental Health Specialist

II. Case Information

Site facility name: Press Democrat Production Facility

Site facility address: 5505 Redwood Drive, Rohnert Park, CA 94928

RB LUSTIS # 1TSO870	SWEEPS # NA	LOP # 00002419	URF filing date: 08/02/04	Local # N/A

Responsible party	Address	Phone number
Santa Rosa Press Democrat, Inc. Attention: Sam Caddle	427 Mendocino Avenue Santa Rosa, CA 95401	(707) 521-5459

Tank #	Size in gal.	Contents	Closed-in-place/removed?	Date
1	10,000	Gasoline	Removed	5/4/04
2	10,000	Diesel	Removed	5/4/04
3	100+	Oil/Water Separator	Removed	5/18/04

III. Release and Site Characterization Information

Cause and type of release: Unknown cause. Groundwater contaminated.

Site characterization complete? Yes		Date approved by oversight agency: 02/23/06
MW installed? Yes	Number: 3	Proper screened interval: Yes
Highest GW depth BGS: 3 ft.	Lowest depth: 7 ft.	Flow direction: SE to SW

Most sensitive current use: MUN. Rohnert Park City Well # 41 is located 500 ft to the west.

Are drinking water wells affected? No	Aquifer name: Laguna HAS
Is surface water affected? No	Nearest SW name: Hinebaugh Creek is 2200 ft south

Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? Yes	Where is report(s) filed: Sonoma County Department of Health Services

Treatment and Disposal of Affected Material

Material	Amount (include units)	Action (treatment or disposal w/ destination)	Date
Tank	1) 2 USTs; 2) Oil Separator	1) Disposed at ECI, Richmond, CA; 2) Disposed with concrete debris	1) 5/4/04 2) 5/18/04
Piping	Undocumented amount	Disposed at ECI, Richmond, CA	5/4/04
Free product	N/A		
Soil	200 cy	Minimally contaminated pea gravel was reused in UST excavation above groundwater elevation.	5/5/04
Groundwater	1) 25 gal; 2) 35 gal; 3) 2000 gal	1) & 2) Disposed at Alviso Independent Oil, Alviso, CA. 3) Disposed at Demenno/Kerdoon, Compton, CA	1) 7/14/05; 2) 12/22/05; 3) 5/3/06
Barrels	2 drums	Disposed at Alviso Independent Oil, Alviso	7/14/05, 12/22/05

Case Closure Summary

III. Release and Site Characterization Information (continued) **Site Address: 5505 Redwood Drive, Rohnert Park, CA 94928**

Maximum Documented Contaminant Concentrations—Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	<1.0	NS	1.400 [1]	<0.050	Xylene	0.0021 [3]	NS	0.129 [1]	<0.001
TPH (diesel)	39 [2]	NS	3.8 [1]	<0.050	Ethylbenzene	<0.002	NS	0.023 [1]	<0.001
Benzene	<0.002	NS	0.022 [1]	<0.001	Oil & grease	NS	NS	NS	NS
Toluene	<0.002	NS	0.150 [1]	0.0012	Heavy metals	NS	NS	NS	NS
Other	See Below	NS	See Below	See Below	MTBE	<0.002	NS	0.0092 [1]	0.001

Comments (depth of remediation, etc.): NS = Not sampled or analyzed. Soil excavated to 9 ft bgs at UST removal.

Footnotes **1** UST excavation grab GW sample 5/4/04 **2** Sample from UST pea gravel which was reused above groundwater **3** MW-3 Installation samples-highest reported level. **Other Soil-Before:** 1 2 DCA, 1 2 DCB, DIPE, ETBE, TAME <0.002; TBA <0.050. **Other Water-Before:** 1 2 DCA, 1 2 DCB, DIPE, ETBE, TAME <0.002; TBA <0.025. **Other Water-After:** 1 2 DCA, 1 2 DIPE, ETBE, TAME <0.001; TBA <0.025. **Soil-After** data are equivalent to Soil-Before since none of this material was actively remediated.

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: None

Should corrective action be reviewed if land use changes? No

Monitoring wells decommissioned? No	Number decommissioned: 0	Number retained: 3

List enforcement actions taken: None

List enforcement actions rescinded: Not Applicable

V. Local Agency Representative Data

Name: Walter L. Kruse	Title: Director of Environmental Health
Signature: Walter L. Kruse	Date: 4/28/06

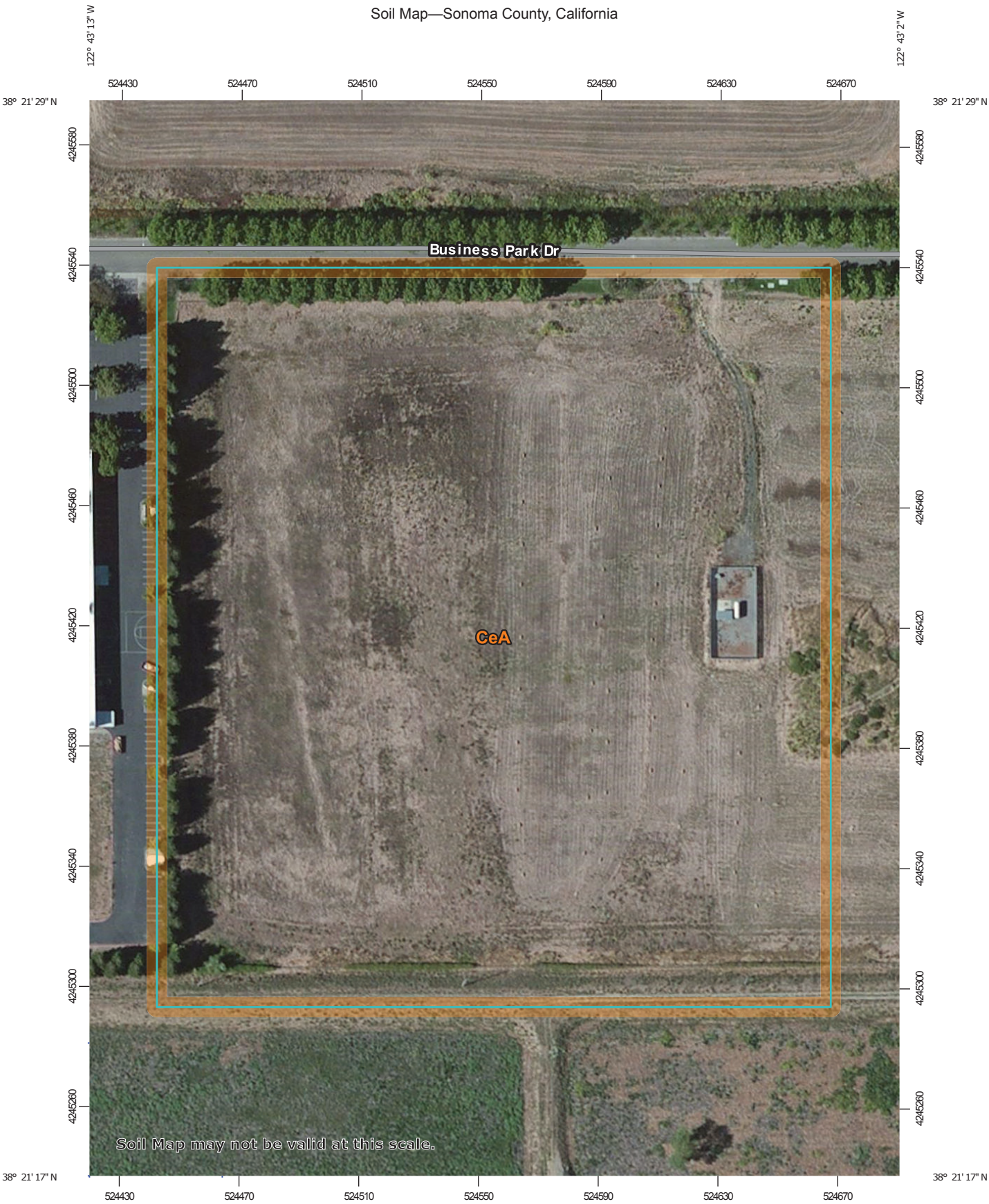
VI. RWQCB Notification

Date submitted to RB: 5/2/06	RB Response: CONCUR WITH CLOSURE	
RWQCB staff name: BETH LAMB	Title: ENGINEERING GEOLOGIST	Date: 6/20/06

VII. Additional Comments, Data, etc.

Monitoring wells will be destroyed under permit upon Regional Board closure concurrence.

Revised 11/95



Map Scale: 1:1,740 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sonoma County, California
Survey Area Data: Version 10, Sep 27, 2016

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 14, 2011—Aug 15, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Sonoma County, California (CA097)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
CeA	Clear Lake clay, sandy substratum, drained, 0 to 2 percent slopes, MLRA 14	13.7	100.0%
Totals for Area of Interest		**13.7**	**100.0%**

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Inquiry Number: 4892010.8
March 28, 2017

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

3/28/17

Site Name:
Vacant Lot - Rohnert
Business Park Drive
Rohnert Park, CA

EDR Inquiry # 4892010.8

Client Name:
ATC Group Services LLC
2400 Camino Ramon, Suite
San Ramon, CA 94583

Contact: Destiny Hazra

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/28/17, EDR does not have access to building permits in the city where your target property is located (Rohnert Park, CA).

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED ORIMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THEMAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALLRISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OFERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL,INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLYLIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risklevels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providingany facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by anenvironmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to beconstrued as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

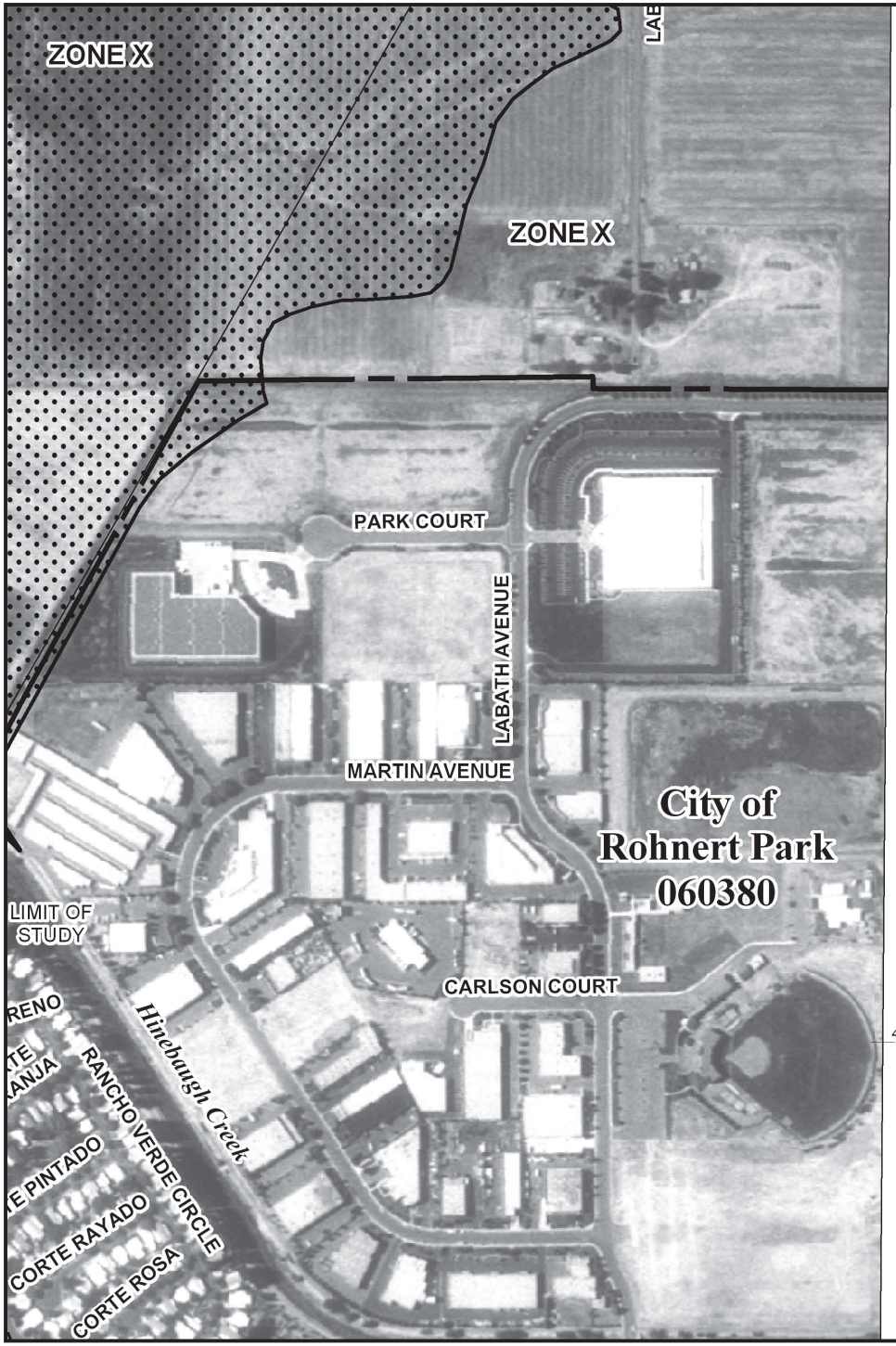
The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILDFAX® PROPERTY HISTORY



MAP SCALE 1" = 500'

250 0 500 1000

FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0876E

FIRM

FLOOD INSURANCE RATE MAP

SONOMA COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 876 OF 1150

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ROHNERT PARK, CITY OF	060380	0876	E
SONOMA COUNTY	060375	0876	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06097C0876E

EFFECTIVE DATE
DECEMBER 2, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Inquiry Number: 4892010.7
March 29, 2017

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Business Park Drive & Dowdell Avenue
Vacant Lot - Rohnert Park
Rohnert Park, CA 94928

RESEARCH SOURCE

Source 1:

Sonoma Recorder
Sonoma, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	CB Properties Inc
Title received from:	Rohnert Business Park Assoc
Deed Dated	6/7/2006
Deed Recorded:	6/23/2006
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	CB Properties Inc
Parcel # / Property Identifier:	143-040-064
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Barbara D. Gallagher, Esq.
ANDERSON, ZEIGLER, DISHAROON, GALLAGHER & GRAY
P. O. Box 1498
Santa Rosa, CA 95402

GENERAL PUBLIC
06/23/2006 13:52 DEED
RECORDING FEE: 13.00
PAID

2006078736

OFFICIAL RECORDS OF
SONOMA COUNTY
EEVE T. LEWIS

3 PGS

MAIL TAX STATEMENTS TO:

C.B. PROPERTIES, INC.
2375 Hardies Lane
Santa Rosa, CA 95403

A.P. No. 143-040-064

THE UNDERSIGNED GRANTOR DECLARES: DOCUMENTARY TRANSFER TAX: NONE – NO CONSIDERATION - THE PROPORTIONATE INTERESTS OF THE GRANTOR IS IDENTICAL TO THEIR PREVIOUS INTEREST

_X_ COMPUTED ON THE CONSIDERATION OF VALUE OF PROPERTY CONVEYED
___ COMPUTED ON THE CONSIDERATION OR VALUE LESS LIENS OR ENCUMBRANCES REMAINING AT SALE

GRANT DEED

FOR A VALUABLE CONSIDERATION, RECEIPT OF WHICH IS HEREBY ACKNOWLEDGED:

ROHNERT BUSINESS PARK ASSOCIATES, A General Partnership

does hereby GRANT all of its respective interest to

C.B. PROPERTIES, INC., A CALIFORNIA CORPORATION

the real property located on **Business Park Drive**, in the **City of Rohnert Park, County of Sonoma, State of California**, described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY REFERENCE

[Signatures On The Following Page]

Dated: June 7, 2006

ROHNERT BUSINESS PARK ASSOCIATES,
A General Partnership

By: C.B. PROPERTIES, INC.,
A California Corporation
Its: General Partner

By Barbara D. Gallagher
Barbara D. Gallagher,
Vice-President/Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF SONOMA)

On June 7, 2006, before me, Michelle Pedersen, the undersigned notary public, personally appeared BARBARA D. GALLAGHER, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same in her authorized capacity, and that by her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

MICHELLE PEDERSEN
Commission # 1490791
Notary Public - California
Sonoma County
My Comm. Expires May 21, 2008

Michelle Pedersen

EXHIBIT "A"

Lot 2, as shown on the map of "Rohnert Business Park Subdivision" filed August 12, 1985 in the office of the County Recorder in Book 375 of Maps at Pages 10-11, Sonoma County Records.

A.P. No. 143-040-064

2015

During the past year, we have taken hundreds of water samples in order to determine the presence of any radioactive, biological, inorganic, volatile organic, or synthetic organic contaminants. Only those substances with detectable amounts are required to be included in this report. You may find the definitions included at the end of this report helpful to you when interpreting the water quality results listed below.

The State allows us to monitor for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data is included along with the year in which the samples were taken.

The City collected and analyzed 630 coliform samples during 2015 with no positive samples.

2015 by the numbers . . .

- The City produced **1.4 billion gallons**.
- The City maintains **90 miles** of water main.
- The City has **7 storage tanks** with **5 million gallons** storage capacity.

Regulated Substances

Substance (Unit)	Year Sampled	Violation Yes/No	MCL (MRDL)	PHG (MCLG) [MRDLG]	ROHNERT PARK Average Detected	ROHNERT PARK Range	SCWA Average Detected	SCWA Range	Typical Source
1,2 Dichloroethane (ppb)[1]	2015	No	0.5	400	ND	ND	ND	ND	Discharge from industrial chemical factories
Arsenic (ppb)	2015	No	10	0.0004	3.88	2.6-6.3	<2.0	NA	Erosion of natural deposits; runoff from orchards' glass and electronics productuion wastes.
Barium (ppb)	2015	No	1000	2	ND	ND	<100	NA	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (ppm)[2]	2015	No	2.0	1.0	0.011	ND-0.1	0.12	0.10-0.14	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Particle Activity (pCi/L)	2011	No	15	(0)	0.40	0.26-0.65	NA	NA	Erosion of natural deposits
Nitrate [as NO3] (ppm)	2015	No	45	45	9.94	ND-31	<1.0	NA	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
TTHM [Total Trihalomethanes] (ppb) Stage 2	2015	No	80	NA	12.93	ND-24	NA	NA	By-broduct of drinking water disinfection
Trichlorofluoromethane (ppb)	2015	No	150	700	ND	ND	ND	ND	Discharge from industrial factories; degreasing solvent; porpellant and refrigerant

1. The next sampling event is scheduled for 2017. 2. Fluoridation of water is not required and has not been implemented in Rohnert Park.

Tap Water Samples—City of Rohnert Park

Substance (Unit)	Year Sampled	Violation Yes/No	AL	PHG	Amount Detected	Sites Above AL/Total Sites	Typical Source
Copper (ppm)	2013	No	1.3	0.3	0.05	0/30	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ppm)	2013	No	.015	0.2	0.005	0/30	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

Tap water samples were collected for lead and copper analyses from sample sites throughout the community. The next sampling event is scheduled for 2016.

Secondary Substances

Substance (Unit)	Year Sampled	Violation Yes/No	SMCL	PHG	ROHNERT PARK Average Detected	ROHNERT PARK Range	SCWA Average Detected	SCWA Range	Typical Source
Chloride (ppm)	2015	No	500	NA	24	9.7-48	9	5.9-24	Runoff/leaching from natural deposits, seawater influence
Color (units)	2015	No	15	NA	ND	ND	ND	ND	Naturally occurring organic materials
Corrosivity (units)	2012	No	Noncorrosive	NA	12.01	11.7-12.4	NA	NA	Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water
Iron (ppb)	2015	No	300	NA	ND	ND	<100	NA	Leaching from natural deposits, industrial wastes
Manganese (ppb)	2015	No	50	NA	4	ND-36	5.3	ND-69	Leaching from natural deposits
Odor (TON)	2015	No	3.0	NA	ND	ND	ND	ND	Naturally occuring organic materils
Specific Conductance (uS/cm)	2015	No	1600	NA	455	290-610	257	240-290	Substances that form ions when in water, seawater influence
Sulfate (ppm)	2015	No	500	NA	14.51	14.9-16.21	12.5	2.3-18	Runoff/leaching from natural deposts, industrial wastes
Total Dissolved Solids (ppm)	2015	No	1000	NA	306	200-370	153	110-210	Runoff/ Leaching from natural depostis
Turbidity (NTU)	2015	No	5	NA	0.11	ND-0.35	0.23	0.02-2.1	Soil runoff
Zinc (ppb)	2015	No	5000	NA	47	ND-320	<50	NA	Runoff/leaching from natural deposits; industrial wastes

Other Substances

Substance (Unit)	Year Sampled	MCL	PHG	ROHNERT PARK Average Detected	ROHNERT PARK Range	SCWA Average Detected	SCWA Range	Typical Source
Bicarbonate (ppm)	2015	NA	NA	212	152-281	128	120-240	Natural geology
Calcium (ppm)	2015	NA	NA	37	17-52	18	10-23	Natural geology
Magnesium (ppm)	2015	NA	NA	20.11	12-29	11.5	11-12	Natural geology
pH (units)	2015	NA	NA	7.7	7.4-7.9	7.48	7.1-8.37	Measure of acidity in water
Potassium (ppm)	2012	NA	NA	2.2	1.4-3.6	<1.0	<1.0-1.1	Natural geology
Total Alkalinity [as $CaCO_2$] (ppm)	2015	NA	NA	174	125-230	105	96-120	Natural geology
Total Hardness [as $CaCO_2$] (ppm)	2015	NA	NA	175.78	92-250	85.6	37-117	Water hardness measured by the sum of polyvalent cations present in the water
Total Radon 222 (pCi/l)	2014	NA	NA	NA	NA	155.3	0-325	Found in the ground throughout the U.S.

glossary

In the table above, you may find unfamiliar terms and abbreviations. To help you better understand these terms, we have provided the following definitions.

Action Level (AL): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Initial Distribution System Evaluation (IDSE): An important part of the Stage 2 Disinfection Byproducts Rule (DBPR). The IDSE is a one-time study conducted by water systems to identify distribution system locations with high concentrations of trihalomethanes (THMs) and haloacetic acids (HAAs). Water systems will use results from the IDSE, in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not Applicable

Nephelometric Turbidity Unit (NTU): Measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

ND (Not Detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

Parts Per Billion (ppb) or Micrograms Per Liter (µg/l): One part by weight of analyte to 1 billion parts by weight of the water sample.

Parts Per Million (ppm) or Milligrams Per Liter (mg/l): One part by weight of analyte to 1 million parts by weight of the water sample.

PDWS (Primary Drinking Water Standard): MCLs and MRDLs for contaminants that affect health, along with their monitoring and reporting requirements and water treatment requirements.

PHG (Public Health Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California EPA.

Picocurie per liter (pCi/L): Measure of the radioactivity in water.

SCWA: Sonoma County Water Agency

TON (Threshold Odor Number): A measure of odor in water.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

µS/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a solution.

Unregulated Contaminant Monitoring

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in this table.

For additional information and data: https://www.epa.gov/dwucmr/third-unregulated-contaminant-monitoring-rule or Safe Drinking Water Hotline (800) 426-4791.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Rohnert Park is responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. For information on lead in drinking water, testing methods, and steps you can take to minimize exposure: Safe Drinking Water Hotline (800) 426-4791 or http://www.epa.gov/safewater/lead.

Nitrate in Drinking Water

Nitrate in drinking water at levels above 45 ppm is a health risk for infants less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness: symptoms include shortness of breath and blueness of skin. Nitrate levels above 45 ppm may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant woman and those with certain specific enzyme deficiencies. If you are caring for an infant or you are pregnant, you should ask for advice from your healthcare provider.



City of Rohnert Park

PWS ID# CA4910014



Community Participation

Citizens may address comments directly to the Rohnert Park City Council, which meets on the second and fourth Tuesday of each month at 5:00pm. Meetings are held in the City Council Chambers located at City Hall, 130 Avram Avenue. City Council meetings are open to the public, with corresponding agendas posted to the City's website prior to each meeting: www.rpcity.org.

Questions?

If you are interested in learning more about water quality or our water utility, please direct your questions, concerns or comments to the Department of Public Works: (707) 588-3300.

Este informe contiene información muy importante sobre su agua potable. Traduzcalo o hable con alguien que lo entienda bien.

2015 Annual Drinking Water Quality Report

2015 Annual Drinking Water Quality Report

Where Do We Get Our Drinking Water?

The City of Rohnert Park delivers treated water to its customers produced primarily by the Sonoma County Water Agency (SCWA—approximately **66 percent in 2015**. Water produced by SCWA originates from six Ranney Collectors (or Caissons) along the Russian River, seven production wells along the Russian River, and three production wells near the Cotati Aqueduct in the Santa Rosa Plain. The primary water supply received from SCWA is supplemented and blended with water from a series of 29 groundwater wells located throughout the City. Prior to blending, the water distributed from the City wells is treated with a chlorine disinfectant to protect the community against microbial contaminants. Combined, the City's water system provides roughly 1.4 billion gallons of clean drinking water to the community every year. Additionally, Rohnert Park has seven water storage tanks with a total capacity of approximately 5 million gallons of treated water. This source is used to balance water system pressure during peak demand periods and also provides emergency water storage for fire protection.

Source Water Assessment

State Water Resources Control Board, Division of Drinking Water, completed a **Drinking Water Source Assessment for the City of Rohnert Park in January 2003**, which is in accordance with guidelines issued by the State Department of Public Health. The purpose of the Drinking Water Source Assessment is to determine if water sources in the community are vulnerable to contamination. It also includes an inventory of potential sources of contamination within the delineated area and provides a determination of the water supply's susceptibility to contamination by the identified potential sources.

According to the Drinking Water Source Assessment Plan, our water sources are most vulnerable to the following activities: chemical/petroleum storage, pesticide/fertilizer used in association with parks and golf courses (note: pesticides and fertilizers are no longer used in City parks), transportation corridors (railroad/freeways/highways/road right-ofways), storm drain discharge points, stormwater detention facilities, agricultural drainage, golf course ponds, high-density housing, and utility stations (maintenance areas). If you would like to review the plan, please feel free to contact our office during regular business hours: (707) 588-3336.

All Drinking Water May Contain Contaminants

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board, Division of Drinking Water, prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained from the Environmental Protection Agency's Safe Drinking Water Hotline: (800) 426-4791.

Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include the following:

A Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

B Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

C Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

D Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

E Radioactive contaminants, which can be naturally oc-curring or be the result of oil and gas production and mining activities.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their healthcare providers. For the U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants: Safe Drinking Water Hotline at (800) 426-4791 or http://water.epa.gov/drink/hotline.

Information on the Internet

The U.S. EPA Office of Water (epa.gov/watrhome) and the Centers for Disease Control and Prevention (cdc. gov) Web sites provide a substantial amount of information on many issues relating to water resources, water conservation and public health.

Vacant Lot - Rohnert Park
Business Park Drive & Dowdell Avenue
Rohnert Park, CA 94928

Inquiry Number: 4892010.6
March 28, 2017

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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U.S. Fish and Wildlife Service
National Wetlands Inventory

Apr 3, 2017



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

Riparian Status

- Digital Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

2400 Camino Ramon, Suite 360
San Ramon, CA 94583
Telephone 925-460-5300
Fax 925-328-1090
www.atcgroupservices.com

June 26, 2019

Ms. Kristen Dickey
Panattoni Development Company, Inc.
7887 E. Belleview Avenue, Suite 475
Denver, CO 80111

Subject: **DRAFT - Well Installation and Vapor Sampling Report**
Dowdell Industrial Park, Rohnert Park, California
ATC Project Number: NPPAN18035

Dear Ms. Dickey:

ATC Group Services LLC (ATC) has prepared this report to document field activities and findings for the well installation and sampling for the above-referenced property (Figures 1 and 2) for the Panattoni Development Company, Inc. (herein referred to as the Client). The work was completed in accordance with our proposal (ATC Proposal 118-2017-0155) dated September 25, 2018.

1.0 SITE DESCRIPTION

The property is comprised of 10.3 acres of undeveloped land located at the southwest corner of Business Park Drive and Dowdell Avenue in Rohnert Park, Sonoma County, California. The property generally exists in a native state and is covered with wild grasses and vegetation.

2.0 BACKGROUND

ATC understands that Panattoni Development Co., Inc. retained Gularte & Associates, Inc. to perform a geotechnical investigation for the property in anticipation of the proposed future development of the property with industrial warehouse buildings. The results of this investigation are described in a Geotechnical Report prepared by Gularte & Associates, Inc. dated November 9, 2017. During the geotechnical investigation, a total of eight soil borings (B-1 through B-8) were advanced to maximum depths of approximately 40 feet below ground surface (bgs). Soil encountered during drilling consisted primarily of low plasticity clays within the upper 10 feet of ground surface followed by high plasticity clays to the maximum depth of investigation. Groundwater was reportedly encountered during drilling at depths ranging from approximately 5 to 18 feet bgs.

An unidentified gas was reportedly encountered at a depth of approximately 40 feet bgs during drilling associated with geotechnical soil boring B-1. The unidentified gas was observed to migrate from approximately 40 feet bgs and through the overlying static groundwater to a depth of approximately 18 feet bgs. In addition, venting gas exhibiting a strong sulfur odor was reportedly encountered in soil boring B-7 at a depth of approximately 30 feet bgs. Borings B-1 and B-7 were advanced within the northern portion of the property, near Business Park Drive. No evidence of gas bubbling or sulfur odors were observed in any other soil borings advanced within the central or southern portions of the property.

Observations recorded during the geotechnical investigation suggest the possible presence of pressurized gas beneath the property. The sulfur odors observed during drilling on the northern portion of the property may also suggest the presence of hydrogen sulfide gas in the subsurface. Based on our experience with other similar sites, ATC was of the opinion that the pressurized gas could contain methane. The possible presence of methane and hydrogen sulfide in the subsurface may be related to

anaerobic decomposition of organic material or emanations associated with local geologic formations (e.g., geothermal or petrogenic sources). Given the planned future development of the property, ATC proposed the installation of vapor monitoring probes at four locations across the property. Following installation of the vapor monitoring probes, the pressures and concentrations of select gases were measured. The results of these measurements are intended to provide additional insight regarding potential building and/or construction mitigation measures that may impact the design and construction of future property buildings and subsurface utilities and to determine what gases are present in sub-surface.

3.0 SCOPE OF WORK

The scope of work included the drilling, installation, and sampling of two nested vapor monitoring probes and two shallow vapor monitoring probes. This work was performed under the oversight of a California-licensed professional geologist.

3.1 Pre-Field Activities

Prior to initiating field activities, ATC prepared a site specific Health and Safety Plan (HASP) for the site. The HASP complied with Title 29 of the Code of Federal Regulations (CFR) Section 1920.120(j), the California General Industry Safety Order (GISO) and Title 8, California Code of Regulations (CCR) Section 5192. A copy of the HASP was maintained on-site during all field activities. Drilling permits were obtained from the Sonoma County Department of Health Services (SCDHS) for this investigation (Attachment A).

The public underground utility locating service, USA North, was notified to identify public utilities in the work area. Private utility locating was conducted by GPRS of San Francisco, California to identify underground utilities on the subject property in the immediate vicinity of the proposed investigation areas.

3.2 Drilling and Sampling Activities

Between April 17 and May 17, 2019, four (4) soil borings (NW-1, NW-2, SW-1, and SW-2) were advanced on the property (Figure 2). The borings were advanced by Woodward Drilling of Rio Vista, California. The borings were initially advanced using a hand-auger to a depth of 5 feet bgs. Soil borings NW-1 and NW-2 were advanced to depths of approximately 30 feet bgs using a hollow-stem auger drilling rig equipped with 10-inch diameter auger. Soil borings SW-1 and SW-2 were advanced to depths of approximately 30 feet bgs using a hollow-stem auger drilling rig equipped with 6-inch diameter auger.

A qualified ATC field geologist provided oversight during drilling and obtained representative soil samples for soil logging purposes. Soil samples were collected using a split-spoon sampler with stainless steel liners. After driving each split-spoon interval, the core was retrieved, the sampler disassembled, and the sample liner was removed and transferred to the onsite geologist for observation and logging. All downhole equipment was decontaminated prior to use. Soil sampling for laboratory analysis was not included in the proposed scope. The ATC field geologist prepared soil boring logs of each boring in accordance with the Unified Soil Classification System.

3.3 Probe Installation Activities

Two (2) of the borings (NW-1 and NW-2) were converted to nested monitoring probes and two (2) of the borings were converted to shallow monitoring probes (SW-1 and SW-2). All monitoring probes were constructed with a combination of 1-inch diameter 0.010-inch slotted screen PVC casing and blank PVC casing. The nested monitoring probes (NW-1 and NW-2) were constructed with three monitoring intervals located at approximate depths of 5 feet bgs (A Zone), 15 feet bgs (B Zone), and 30 feet bgs (C Zone). Well construction details for the nested monitoring probes are provided in Figure 3. The shallow

monitoring probes (SW-1 and SW-2) were constructed with a single monitoring interval located at depths of approximately 5 feet bgs. Construction details for the shallow monitoring probes are provided in Figure 4.

The annular space of each monitoring probe was filled with #2/12 Sand to approximately one (1) foot above the 6-inch screened interval, with one (1) foot of neat cement grout / bentonite above the sand interval, and sealed to just below the surface with neat cement grout. The intervals between the nested monitoring wells were also sealed with neat cement grout / bentonite between each discrete monitoring interval. Each well was completed to ground surface with a traffic-rated well box.

Each individual vapor monitoring probe (probe) was fitted with a locking well cap which included a quick-connect adapter for the collection of gas samples. Photographs documenting the field work are included in Attachment C.

3.4 Probe Monitoring and Sampling Activities

On May 17, 2019, the depth to water was measured below top-of-casing (TOC) in each probe (Table 1). The measured depth to groundwater ranged from a minimum of 3.40 feet below TOC in NW-2A, to a maximum of 13.67 feet below TOC in NW-1C. Groundwater was not encountered in monitoring probe SW-2.

On May 29, 2019, the probes were monitored and sampled. The field monitoring and sampling was performed more than 48-hours after a significant rain event and at a time when there was no increased barometric pressure due to a pre-frontal weather condition. Groundwater sampling was not performed as a component of this investigation.

Pressure measurements were obtained from each probe using magnehelic gauges capable of measuring pressure response to a minimum of 0.01 inches of water (H_2O). In addition, the ambient barometric pressure was also recorded.

Attempts were made in the field to sample the probes using a procedure involving a shut in test, purging using a shroud and helium as a tracer gas, and a vacuum chamber and vacuum pump to collect gas samples into 1-Liter Tedlar bags. However, an adequate sample volume could not be retrieved from most of the probes at applied vacuum levels ranging from 10 to 20 inches of water column. As such, gas samples were collected from each probe directly into 1-Liter Tedlar bags using a vacuum chamber and vacuum pump.

Gas samples were obtained from each probe. The samples were sealed, labeled, and entered into chain of custody for transportation for analysis and submitted to Eurofins TestAmerica in Sacramento, California. Laboratory analytical documentation is provided in Attachment D. The samples were analyzed for the following constituents:

- Hydrogen Sulfide (H_2S) by EPA Method 15/16
- Fixed Gases in Air by ASTM D1946

Gas samples were analyzed in the field using a multi-meter for oxygen (O_2), lower explosive limit (LEL), carbon monoxide (CO), hydrogen sulfide (H_2S), and carbon dioxide (CO_2). Gas samples were also analyzed in the field for volatile organic compounds (VOCs) using a photoionization detector (PID).

3.5 Investigation Derived Waste

Investigation derived waste was stored onsite in 55-gallon steel drums. The waste will be profiled, transported, and disposed at an approved disposal facility.

4.0 RESULTS

A summary of the pertinent observations as related to observed conditions during monitoring probe installation and subsequent probe monitoring and sampling activities is provided below.

- Soil encountered during the drilling of NW-1 consisted of clay to a depth of 30 feet bgs, the maximum depth explored. The soil encountered during the drilling of NW-2 consisted of clayey silt to a depth of 15 feet, clay to a depth of 21 feet poorly graded sand to a depth of 26 feet, and clay to a depth of 30 feet bgs, the maximum depth explored. The soil encountered during the drilling of SW-1 and SW-2 consisted of clayey silt to a depth of 5.5 feet bgs, the maximum depth explored.

- The depth to water levels measured in the probes ranged from 3.40 feet below TOC (NW-2A) to 13.67 feet below TOC (NW-1C). Groundwater was not encountered in shallow probe SW-2.

- Slightly positive pressures, ranging from 0.165 inches of water column (NW-1A) to 1.024 inches of water column (NW-2A), were observed in all monitoring probes.

- Field measurements obtained using hand-held instruments detected concentrations of carbon monoxide in probes NW-1C and NW-2C of 5 and 24 parts per million by volume (ppmv). Hydrogen sulfide was detected in one monitoring probe (NW-2C) at a concentration of 0.8 ppmv. Similarly, the soil vapor sample collected from one monitoring probe (NW-2C) exhibited a reading of 4% of the lower explosive limit (LEL). None of these detections were above the noted screening levels. It should be noted that the field measurements should be considered semi-quantitative. Where applicable, reliance on laboratory analytical results is preferred to field measurements obtained using hand-held instrumentation.

- The laboratory analytical results of the gas samples indicated the presence of methane in all probe samples at concentrations ranging from 0.00036% (NW-1A) to 0.14% (SW-1). Methane was not detected in any vapor probe sample at a concentration in excess of the Department of Toxic Substances Control (DTSC) methane action level of 0.5%. The results also indicated one detection of ethylene and detections of nitrogen and oxygen. Hydrogen sulfide was not detected in any soil vapor samples analyzed.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The presence of groundwater within all of the monitoring probes influenced the collection of representative soil gas samples from select monitoring probes. However, the quantities of soil vapor samples obtained during this investigation were sufficient to perform the requisite field screening and laboratory analyses. Based on the results of this investigation, ATC concludes the following:

- Subsurface soil vapor contains methane gas from an unidentified source. Methane in the subsurface may be associated with geothermal activity that has been documented in this region or biogenic sources within the immediate vicinity of the property. The concentrations of methane detected in subsurface soil gas were below the DTSC action level of 0.5%; however, we anticipate methane concentrations due to geothermal conditions beneath the site may vary if measured over a longer time period.

- Hydrogen sulfide and carbon monoxide were detected in select field measurements, but were not confirmed in subsequent laboratory analyses. The possible presence of these constituents in subsurface soil vapor does not represent a significant concern with regard to future site development or occupation of future site structures.
- Slightly positive pressures (<2" of water column) were observed in all soil vapor probes installed during this investigation. Given the relatively low permeability of shallow subsurface soil (i.e., sandy clay to clayey silt), it is unlikely that the site conditions would result in significant gas transport rates.

The laboratory analytical results of soil gas samples collected during this investigation did not indicate the presence of methane, H2S, or other gases at concentrations in excess of applicable screening levels. However, considering the proposed site development activities and uncertainties regarding the source of methane and possible future changes in subsurface conditions (e.g., increases in methane concentrations and/or differential pressures), ATC recommends that industry standard methane mitigation measures be incorporated into the design and construction of future site structures. At a minimum, ATC recommends that the following engineering solutions be incorporated into the design and construction of future site buildings:

- Design and installation of a passive or active sub-slab venting/depressurization system beneath the entire footprint of each building,
- Installation of an engineered vapor barrier (e.g., GeoCore, Vapor Lock or LiquidBoot) beneath the office portions of each building, including construction QA/QC testing performed by a qualified contractor at the time the vapor barriers are installed,
- Installation of utility trench dams at various locations along utility corridors through the property and where utilities may enter the buildings through the slab, and
- Preparation of documentation, including O&M Plans, periodic inspection requirements, and maintenance and repair instructions.

6.0 LIMITATIONS AND RELIANCE

This report was prepared in accordance with the scope of work outlined in ATC's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Panattoni Development Company, Inc. for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to ATC. To the extent this report is based on information provided to ATC by third parties, ATC may have made efforts to verify this third party information, but ATC cannot guarantee the completeness or accuracy of this third party information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by ATC.

ATC appreciates the opportunity to assist you on this project. If you have any questions or require additional information, please contact Bryan Campbell at 925-804-2858.

Respectfully submitted,
ATC Group Services LLC

DRAFT

Bryan Campbell, PG, CHG
Branch Manager
925-804-2858
bryan.campbell@atcgs.com

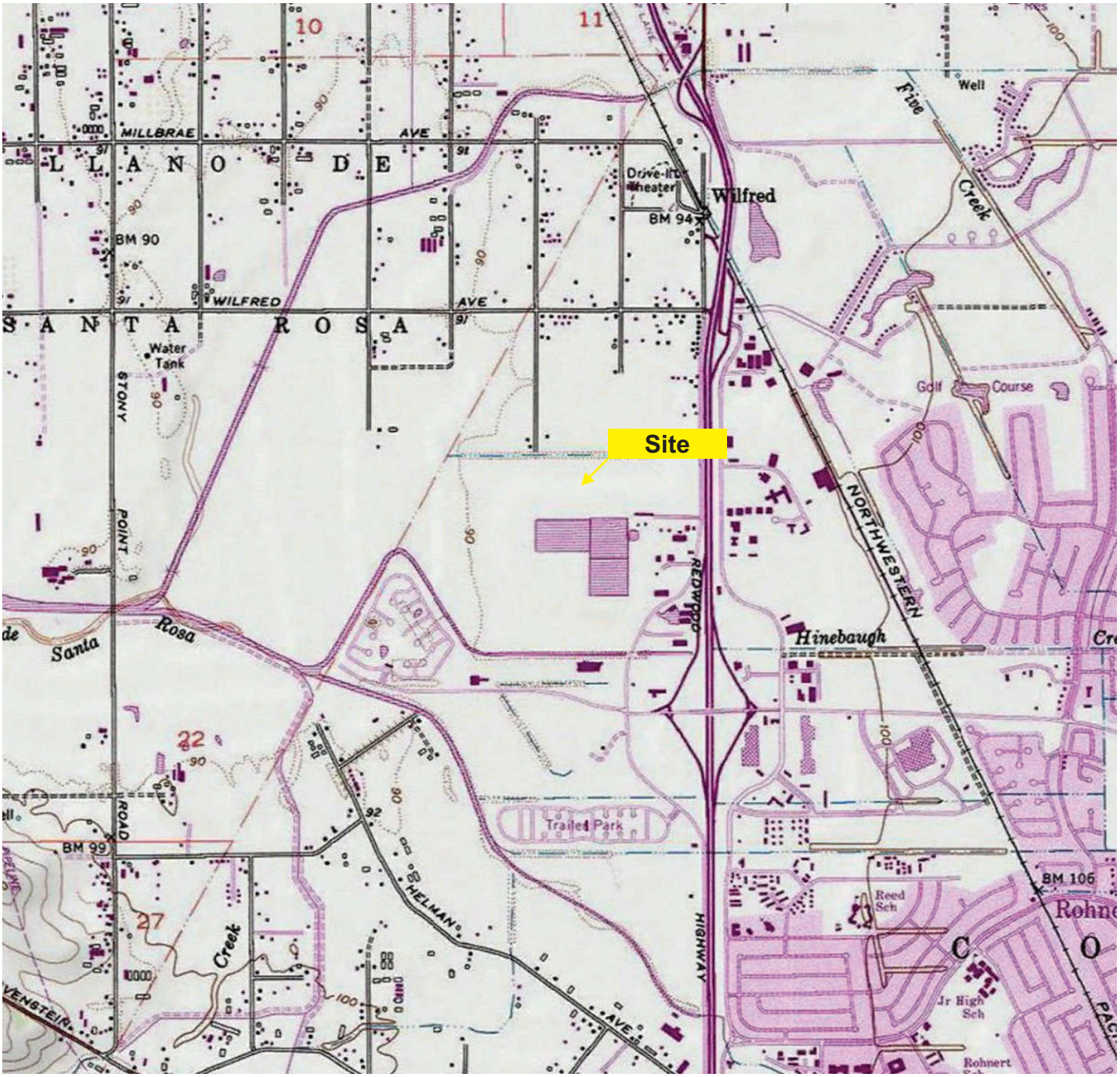
DRAFT

Todd Stanford REHS, CEM
Principal Scientist
805-370-1551
todd.stanford@atcgs.com

Attachments:

Figure 1	Site Vicinity Map
Figure 2	Site Plan
Figure 3	Nested Well Construction
Figure 4	Shallow Well Construction
Table 1	Summary of Results
Attachment A	Drilling Permit
Attachment B	Boring Logs
Attachment C	Site Photographs
Attachment D	Laboratory Analytical Reports

Figures



SOURCE: USGS, 7.5-MINUTE QUADRANGLE, OBTAINED FROM GOOGLE EARTH

0 2,000
Scale (feet)

2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

PROJECT NO. NPPAN18035

DESIGNED BY: BMC	SCALE: 1"=2,000'	REVIEWED BY: BMC
DRAWN BY: BMC	DATE: 9/10/2018	FILE: SITE VICINITY MAP

FIGURE 1

SITE VICINITY MAP

DOWDELL INDUSTRIAL PARK
BUSINESS PARK DRIVE AND DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA



Legend

- Subject Property
- Planned Building Location
- Boring Location
- CPT Location
- Well Location

0 200

Scale (feet)

N

2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

FIGURE 2

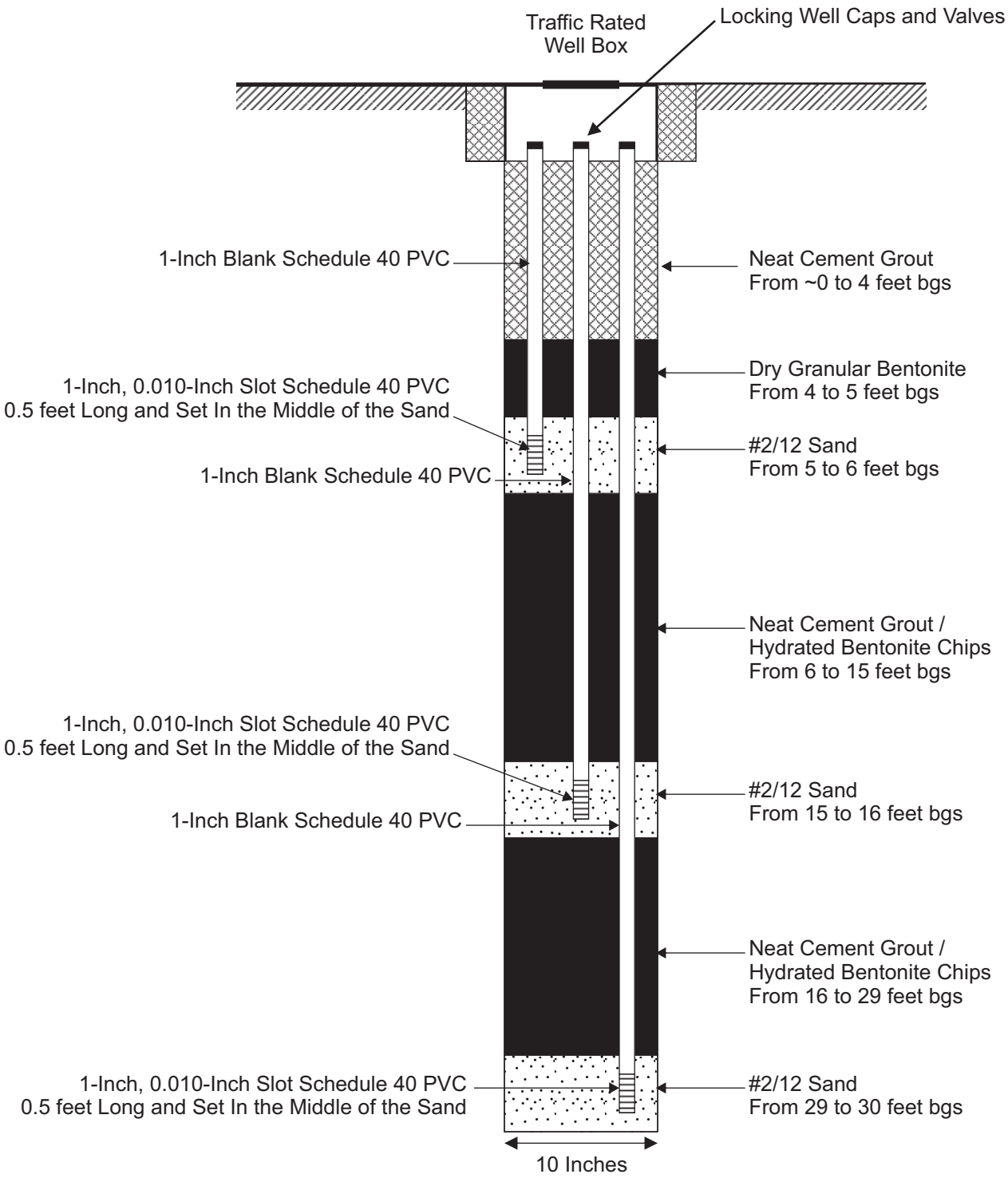
SITE PLAN

DOWDELL INDUSTRIAL PARK
BUSINESS PARK DRIVE AND DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA

PROJECT NO. NPPAN18035

DESIGNED BY: BMC	SCALE: 1"=200'	REVIEWED BY: BMC
DRAWN BY: BMC	DATE: 5/30/2019	FILE: SITE PLAN

Note: Well construction subject to change based on field conditions
bgs - Below Ground Surface



2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

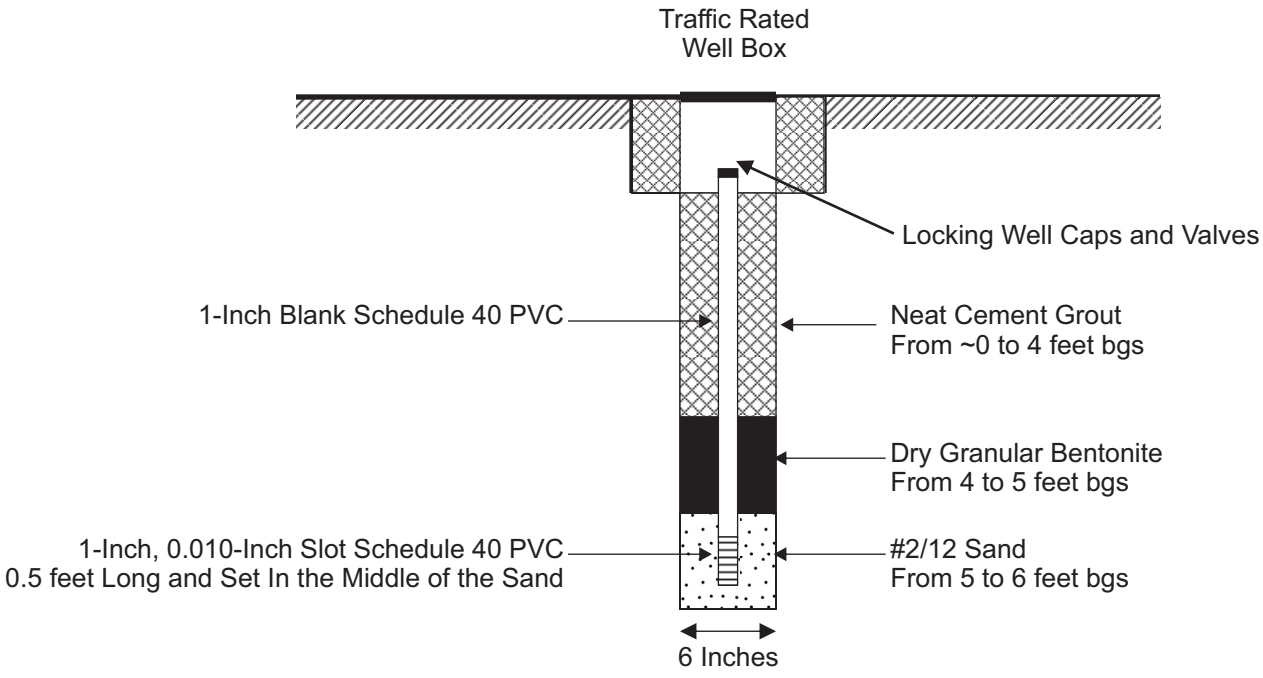
PROJECT NO. NPPAN18035

DESIGNED BY: BMC	NOT TO SCALE	REVIEWED BY: BMC
DRAWN BY: BMC	DATE: 6/17/2019	FILE: WELL

FIGURE 3

NESTED WELL CONSTRUCTION

DOWDELL INDUSTRIAL PARK
BUSINESS PARK DRIVE AND DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA



Note: Well construction subject to change based on field conditions
bgs - Below Ground Surface

2400 Camino Ramon, Suite 360
San Ramon, California 94583
(925) 460-5300

PROJECT NO. NPPAN18035

DESIGNED BY: BMC	NOT TO SCALE	REVIEWED BY: BMC
DRAWN BY: BMC	DATE: 6/17/2018	FILE: WELL

FIGURE 4

SHALLOW WELL CONSTRUCTION

DOWDELL INDUSTRIAL PARK
BUSINESS PARK DRIVE AND DOWDELL AVENUE
ROHNERT PARK, CALIFORNIA

Tables

Table 1
Summary of Results
Dowdell Industrial Park, Rohnert Park, California

						Laboratory Results											Field Meter Results						
Sample ID	Zone	Zone Depth (feet bgs)	Date	Depth to Water (feet TOC)	Pressure (in. H_2O)	H_2S (ppm)	Carbon Dioxide (% v/v)	Carbon Monoxide (% v/v)	Ethane (% v/v)	Ethylene (% v/v)	Hydrogen (% v/v)	Methane (% v/v)	Nitrogen (% v/v)	Oxygen (% v/v)	Propane (% v/v)	Propene (% v/v)	O_2 (%)	LEL (% LEL)	CO (ppm)	H_2S (ppm)	CO_2 (ppm)	VOCs (ppm)	Notes
NW-1	A	5 - 6	5/17/2019	4.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-1	A	5 - 6	5/29/2019	--	0.176	ND	ND	ND	ND	ND	ND	0.00036	67	20	ND	ND	20.9	0	0	0	200	0	Same as ambient
NW-1	B	15 - 16	5/17/2019	4.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-1	B	15 - 16	5/29/2019	--	0.165	ND	ND	ND	ND	ND	ND	0.00080	69	19	ND	ND	20.9	0	0	0	200	0	Same as ambient
NW-1	C	29 - 30	5/17/2019	13.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-1	C	29 - 30	5/29/2019	--	0.270	ND	ND	ND	ND	ND	ND	0.0036	69	19	ND	ND	19.5	0	5	0	200	1	
NW-2	A	5 - 6	5/17/2019	3.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-2	A	5 - 6	5/29/2019	--	1.024	ND	ND	ND	ND	0.00025	ND	0.0042	50	15	ND	ND	20.9	0	0	0	200	0	Same as ambient. Water noted in line.
NW-2	B	15 - 16	5/17/2019	4.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-2	B	15 - 16	5/29/2019	--	0.406	ND	ND	ND	ND	ND	ND	0.0066	68	20	ND	ND	20.9	0	0	0	200	0	Same as ambient
NW-2	C	29 - 30	5/17/2019	6.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NW-2	C	29 - 30	5/29/2019	--	0.756	ND	ND	ND	ND	ND	ND	0.017	68	18	ND	ND	18.3	4	24	0.8	0	0	
SW-1	--	5 - 6	5/17/2019	4.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SW-1	--	5 - 6	5/29/2019	--	0.217	ND	ND	ND	ND	ND	ND	0.14	70	20	ND	ND	20.9	0	0	0	600	1	
SW-2	--	5 - 6	5/17/2019	NW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SW-2	--	5 - 6	5/29/2019	--	0.183	ND	ND	ND	ND	ND	ND	0.0025	66	19	ND	ND	20.9	0	0	0	500	0	
Ambient	--	0	5/29/2019	--	0	--	--	--	--	--	--	--	--	--	--	--	20.9	0	0	0	200	0	Bar. Pressure = 1007 mbar. Temp. = 17.8 deg C.
Soil Vapor Screening Levels						10,000 [3]	NA	NA	NA	NA	NA	0.5 [1]	NA	NA	NA	NA	NA	10% [1]	9,000 [2]	10,000 [3]	NA	NA [4]	

Notes:

bgs	Below Ground Surface
feet TOC	Feet Below Top of Casing
inches H_2O	Inches of Water
%	Percent
% LEL	Percent LEL
ppm	Parts per Million
--	No Information
VOCs	Volatile Organic Compounds
NW	No Water
ND	Not Detected
NA	Not Applicable (no specific standard has been established)

Summary of Potentially Applicable Soil Vapor Screening Levels
With the exception of %LEL, all values converted from indoor air to soil vapor concentrations using the DTSC default building attenuation factor of 0.001 (DTSC, 2011)

DTSC, 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), California Environmental Protection Agency, Department of Toxic Substances Control, Table 2, October 2011.

[1] Value based on DTSC methane "action level" of 10% of LEL (5,000 ppmv or 0.5% v/v) for School Sites (DTSC, 2005. Advisory on Methane Assessment and Common Remediies at School Sites. June)

[2] Value based on EPA National Ambient Air Quality Standard of 9 ppm, divided by DTSC default building attenuation factor of 0.001

[3] Value based on OSHA Permissible Exposure Limit of 10 ppm, divided by DTSC default building attenuation factor of 0.001

[4] Chemical-specific soil vapor screening levels may apply to certain constituents. However, no specific VOCs are expected to be present at the site based on historical site use.

Attachment A

Drilling Permit

11

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH & SAFETY
625 5th Street, Santa Rosa, CA 95404
Phone (707) 565-6565 Fax (707) 565-6525 www.sonoma-county.org

DEPT. OF HEALTH SVCS
DEC 28 2018
ENVIRONMENTAL HEALTH & SAFETY

APPLICATION FOR DRILLING PERMIT
for Regional Board Lead/Environmental Assessment/ADP Lead

For Office Use Only
Amount Paid $748.-
Receipt Number 727 PE 1406.
Payment Date Rev. Code 115023
Site ID# FA0019069
Permit # SR0015812

Permit Type:

☐ Monitoring Well ☐ Borings ☐ Destruct ■ Environmental Assessment

Well Type: ☐ Remediation Well ☐ Extraction Well ■ Soil Vapor
☐ Other

On-Site Well 4 ID # NW-1, NW-2, SW-1, SW-2 # Off-Site Well ID

On-Site Boring ID # # Off-Site Boring ID

Submit legal right-of-entry/off-site well address/encroachment permit

Site Address Business Park Drive and Dowdell Avenue AP# 143-040-134
Facility Name Dowdell Industrial Park
Site Owner CB Properties Inc. Phone
Street 2375 Hardies Lane City Santa Rosa State CA Zip 95403
Responsible Party Guillermo Accame Phone (303) 790-4737
Street 7887 E. Belleview Avenue, Suite 475 City Denver State CO Zip 80111
Consultant Bryan Campbell License#/Type 7724, PG Phone 925-804-2858
Street 2400 Camino Ramon, Suite 360 City San Ramon State CA Zip 94583
License #/Type 7724, PG Email bryan.campbell@atcgs.com
Drilling Contractor Woodward Drilling Phone 707-374-4300
Street 550 River Road City Rio Vista State CA Zip 94571
C-57 License 710079

Disposal method for soil cuttings Store in drums and then remove to an appropriate disposal facility.
Disposal method for development water Store in drums and then remove to an appropriate disposal facility.
Drilling method Hollow-stem auger
Method of drill equipment rinsate containment and disposal Store in drums and then remove to an appropriate disposal facility.
If destroying a well, abandonment method N/A

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leach field? ○Yes ◉No
50 feet of any sanitary sewer line? ○Yes ◉No
25 feet of any private sanitary sewer line? ○Yes ◉No

In addition, all monitoring wells must include an ***identification system*** affixed to the interior st
1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) P

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security struc

1/8/2019 9:38 AM Sales Receipt #727
Store: 4 Workstation: 1
Sonoma County Env Health & Safety
625 Fifth Street
Santa Rosa, CA 95404
(707) 565-6565
Cashier: EHCounter

Item #	Qty	Price	Ext Price
276	1	$748.00	$748.00
115023 Drilling			

Subtotal: $748.00
Local Sales Tax: Tax: +$0.00
TOTAL: **$748.00**

Check: $748.00

For Office Use Only

Address 0000 Business Park Dr.
Rohnert Park CA
Site ID# FA0019069
Permit # SR0015812

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Environmental Health and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by the Department of Health Services, Environmental Health and Safety Section within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit ***only*** after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

Concetta E. Woodward Date 12/21/18

Signature of Well Driller—***no proxies (Wet Signature Required)***

Insurance Carrier Scottsdale Insurance Co. Expiration Date 4/27/19

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

1. Provide 48 hours advance notice of drilling.
2. Provide a final report with sample results and well completion reports to this department within 90 days of work completion.
3. Soil vapor wells shall be installed in accordance with DTSC's Advisory-Active Soil Gas Investigations (2015).

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH & SAFETY

Permit approved by Lisa Lamb Date 3/12/19

Constr. approved by _____ Observed? ☐Yes ☐No Well # _____ Date ___/___/___

RWQCB/LOP approval _____ Date ___/___/___

Distribution: ☐File ☐Driller ☐Consultant ☐Owner/Resp. Party

Attachment B

Boring Logs

BORING NUMBER NW-1

ATC Group Services
2400 Camino Ramon, Suite 360
San Ramon, CA 94583

CLIENT Panattoni Development Company
PROJECT NAME Dowdell Indsutrial Park
PROJECT NUMBER NPPAN18035
PROJECT LOCATION Rohnert Park, California
DATE STARTED 4/17/19 **COMPLETED** 4/17/19
GROUND ELEVATION _____ **HOLE SIZE** 10
DRILLING CONTRACTOR Woodward Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hand-Auger and Hollow-Stem Auger
AT TIME OF DRILLING ---
LOGGED BY B. Campbell **CHECKED BY** B. Campbell
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
5	0840	5-6-6 (12)		(CL) Sandy Clay, olive gray (5Y 4/2), fine sand, soft, medium plastic fines, moist.
7.5				
10	0855	4-6-9 (15)		(CL) Silty Clay, olive (5Y 4/4), firm, medium plastic fines, moist.
15	0917	3-6-9 (15)		
17.5				
20	0937	7-10-14 (24)		(CL) Clay, bluish gray (2Gley 5/1), firm medium plasticity, wet. Some flowing sands noted.
25				
30	1056	7-5-10 (15)		
30.0				Bottom of borehole at 30.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 6/17/19 15:13 - R:\PROJECTS\PANATTONI DEVELOPMENT - 75426\DOWDELL INDUSTRIAL\BORING LOGS\BORING LOGS.GPJ

BORING NUMBER NW-2

ATC Group Services
2400 Camino Ramon, Suite 360
San Ramon, CA 94583

CLIENT Panattoni Development Company
PROJECT NAME Dowdell Indsutrial Park
PROJECT NUMBER NPPAN18035
PROJECT LOCATION Rohnert Park, California
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
GROUND ELEVATION _____ **HOLE SIZE** 10
DRILLING CONTRACTOR Woodward Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hand-Auger and Hollow-Stem Auger
AT TIME OF DRILLING ---
LOGGED BY B. Campbell **CHECKED BY** B. Campbell
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
5				(ML) Clayey Silt with Fine Sand, brown (10YR 5/3), soft, low plasticity fines, moist.
10	0900	8-10-10 (20)		
15			15.0	
20	0920	7-8-8 (16)	21.0	(CL) Clay, bluish gray (2Gley 5/1), firm, medium plasticity fines, wet.
25			26.0	(SP) Poorly Graded Sand, brown (10YR 5/3), fine sand, weak, non-plastic fines, wet.
30			30.0	(CL) Clay, bluish gray (2Gley 5/1), firm, medium plasticity, moist.
	0940	6-7-10 (17)		Bottom of borehole at 30.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 6/17/19 15:13 - R:\PROJECTS\PANATTONI DEVELOPMENT - 75426\DOWDELL INDUSTRIAL\BORING LOGS\BORING LOGS.GPJ

BORING NUMBER SW-1

ATC Group Services
2400 Camino Ramon, Suite 360
San Ramon, CA 94583

CLIENT Panattoni Development Company
PROJECT NAME Dowdell Indsutrial Park
PROJECT NUMBER NPPAN18035
PROJECT LOCATION Rohnert Park, California
DATE STARTED 4/17/19 **COMPLETED** 4/17/19
GROUND ELEVATION _____ **HOLE SIZE** 6
DRILLING CONTRACTOR Woodward Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hand-Auger and Hollow-Stem Auger
AT TIME OF DRILLING ---
LOGGED BY B. Campbell **CHECKED BY** B. Campbell
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)		GRAPHIC LOG	MATERIAL DESCRIPTION	
0						
5	1138			5.5	(ML) Clayey Silt with Fine Sand, brown (10YR 5/3), soft, low plastic fines, moist.	

Bottom of borehole at 5.5 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 6/17/19 15:13 - R:\PROJECTS\PANATTONI DEVELOPMENT - 75426\DOWDELL INDUSTRIAL\BORING LOGS\BORING LOGS.GPJ

ATC Group Services
2400 Camino Ramon, Suite 360
San Ramon, CA 94583

BORING NUMBER SW-2

CLIENT Panattoni Development Company
PROJECT NAME Dowdell Indsutrial Park
PROJECT NUMBER NPPAN18035
PROJECT LOCATION Rohnert Park, California
DATE STARTED 4/17/19 **COMPLETED** 5/17/19
GROUND ELEVATION _____ **HOLE SIZE** 6
DRILLING CONTRACTOR Woodward Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hand-Auger and Hollow-Stem Auger
AT TIME OF DRILLING ---
LOGGED BY B. Campbell **CHECKED BY** B. Campbell
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)		GRAPHIC LOG	MATERIAL DESCRIPTION	
0						
5	1503			5.5	(ML) Clayey Silt with Fine Sand, brown (10YR 5/3), soft, low plastic fines, moist.	
					Bottom of borehole at 5.5 feet.	

ENVIRONMENTAL BH - GINT STD US.GDT - 6/17/19 15:13 - R:\PROJECTS\PANATTONI DEVELOPMENT - 75426\DOWDELL INDUSTRIAL\BORING LOGS\BORING LOGS.GPJ

Attachment C

Site Photographs



Photo 1: View of drilling NW-1.



Photo 2: Another view of drilling NW-1.



Photo 3: View of completed NW-1 well head.



Photo 4: View of drilling NW-2.



Photo 5: View of completed SW-1 well head.



Photo 6: View of sampling SW-1.

Attachment D

Laboratory Analytical Reports

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-50724-1
Client Project/Site: Dowdell Industrial, Rohnert Park, CA

For:
ATC Group Services LLC.
2400 Camino Ramon
Suite 360
San Ramon, California 94583

Attn: Bryan Campbell

Authorized for release by:
5/31/2019 4:07:05 PM

Lee Ann Heathcote, Project Manager II
(916)373-5600
leeann.heathcote@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Job ID: 320-50724-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-50724-1

Receipt
The samples were received on 5/29/2019 5:00 PM; the samples arrived in good condition.

Receipt Exceptions
Samples "NW-2A" (320-50724-4) and "NW-2B" (320-50724-5) had condensation inside the sample bags. Samples "SW-1" (320-50724-7) and "SW-2" (320-50724-8) were received with nearly flat sample bags.

The following samples were received in air sample bags: NW-1A (320-50724-1), NW-1B (320-50724-2), NW-1C (320-50724-3), NW-2A (320-50724-4), NW-2B (320-50724-5), NW-2C (320-50724-6), SW-1 (320-50724-7) and SW-2 (320-50724-8). In order to extend the holding times, these samples were transferred from the air sample bags into Summa canisters.

Sample -1 was transferred on 5/30/19 at 15:22 to canister ID 34001779.
Sample -2 was transferred on 5/30/19 at 15:24 to canister ID 34001922.
Sample -3 was transferred on 5/30/19 at 15:25 to canister ID 34001733.
Sample -4 was transferred on 5/30/19 at 15:27 to canister ID 34001781.
Sample -5 was transferred on 5/30/19 at 15:29 to canister ID 34001838.
Sample -6 was transferred on 5/30/19 at 15:31 to canister ID 34001892.
Sample -7 was transferred on 5/30/19 at 15:33 to canister ID 34001711.
Sample -8 was transferred on 5/30/19 at 15:35 to canister ID 34001803.

Air - GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ATC Group Services LLC.
Job ID: 320-50724-1
Project/Site: Dowdell Industrial, Rohnert Park, CA

Client Sample ID: NW-1A — Lab Sample ID: 320-50724-1

No Detections.

Client Sample ID: NW-1B — Lab Sample ID: 320-50724-2

No Detections.

Client Sample ID: NW-1C — Lab Sample ID: 320-50724-3

No Detections.

Client Sample ID: NW-2A — Lab Sample ID: 320-50724-4

No Detections.

Client Sample ID: NW-2B — Lab Sample ID: 320-50724-5

No Detections.

Client Sample ID: NW-2C — Lab Sample ID: 320-50724-6

No Detections.

Client Sample ID: SW-1 — Lab Sample ID: 320-50724-7

No Detections.

Client Sample ID: SW-2 — Lab Sample ID: 320-50724-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Client Sample ID: NW-1A
Lab Sample ID: 320-50724-1
Date Collected: 05/29/19 11:30
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 1L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 12:53	1

Client Sample ID: NW-1B
Lab Sample ID: 320-50724-2
Date Collected: 05/29/19 12:40
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 1L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:05	1

Client Sample ID: NW-1C
Lab Sample ID: 320-50724-3
Date Collected: 05/29/19 12:50
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:15	1

Client Sample ID: NW-2A
Lab Sample ID: 320-50724-4
Date Collected: 05/29/19 13:10
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:22	1

Client Sample ID: NW-2B
Lab Sample ID: 320-50724-5
Date Collected: 05/29/19 13:20
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:30	1

Client Sample ID: NW-2C
Lab Sample ID: 320-50724-6
Date Collected: 05/29/19 13:30
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:42	1

Client: ATC Group Services LLC.
Job ID: 320-50724-1
Project/Site: Dowdell Industrial, Rohnert Park, CA

Client Sample ID: SW-1
Lab Sample ID: 320-50724-7
Date Collected: 05/29/19 13:48
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:51	1

Client Sample ID: SW-2
Lab Sample ID: 320-50724-8
Date Collected: 05/29/19 13:50
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 3L

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 13:59	1

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Method: EPA 15_16 - Sulfur Emissions from Stationary Sources (GC/FPD)

Lab Sample ID: MB 320-298032/7
Matrix: Air
Analysis Batch: 298032

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen sulfide	ND		0.40		ppm v/v			05/30/19 12:36	1

Lab Sample ID: LCS 320-298032/2
Matrix: Air
Analysis Batch: 298032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hydrogen sulfide			2.11	2.04		ppm v/v		97	63 - 140		

Lab Sample ID: LCSD 320-298032/3
Matrix: Air
Analysis Batch: 298032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hydrogen sulfide			2.11	2.05		ppm v/v		97	63 - 140	0	20

QC Association Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Air - GC VOA

Analysis Batch: 298032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-50724-1	NW-1A	Total/NA	Air	EPA 15_16	
320-50724-2	NW-1B	Total/NA	Air	EPA 15_16	
320-50724-3	NW-1C	Total/NA	Air	EPA 15_16	
320-50724-4	NW-2A	Total/NA	Air	EPA 15_16	
320-50724-5	NW-2B	Total/NA	Air	EPA 15_16	
320-50724-6	NW-2C	Total/NA	Air	EPA 15_16	
320-50724-7	SW-1	Total/NA	Air	EPA 15_16	
320-50724-8	SW-2	Total/NA	Air	EPA 15_16	
MB 320-298032/7	Method Blank	Total/NA	Air	EPA 15_16	
LCS 320-298032/2	Lab Control Sample	Total/NA	Air	EPA 15_16	
LCSD 320-298032/3	Lab Control Sample Dup	Total/NA	Air	EPA 15_16	

Lab Chronicle

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Client Sample ID: NW-1A
Date Collected: 05/29/19 11:30
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 12:53	EMJ	TAL SAC

Client Sample ID: NW-1B
Date Collected: 05/29/19 12:40
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:05	EMJ	TAL SAC

Client Sample ID: NW-1C
Date Collected: 05/29/19 12:50
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:15	EMJ	TAL SAC

Client Sample ID: NW-2A
Date Collected: 05/29/19 13:10
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:22	EMJ	TAL SAC

Client Sample ID: NW-2B
Date Collected: 05/29/19 13:20
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:30	EMJ	TAL SAC

Client Sample ID: NW-2C
Date Collected: 05/29/19 13:30
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:42	EMJ	TAL SAC

Client Sample ID: SW-1
Date Collected: 05/29/19 13:48
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-7
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:51	EMJ	TAL SAC

Lab Chronicle

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Client Sample ID: SW-2

Date Collected: 05/29/19 13:50
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-8

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 15_16		1	50 mL	50 mL	298032	05/30/19 13:59	EMJ	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: ATC Group Services LLC. Job ID: 320-50724-1
Project/Site: Dowdell Industrial, Rohnert Park, CA

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2897	01-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte		
EPA 15_16		Air	Hydrogen sulfide		
Oregon		NELAP	10	4040	01-29-20

Method Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Method	Method Description	Protocol	Laboratory
EPA 15_16	Sulfur Emissions from Stationary Sources (GC/FPD)	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-50724-1	NW-1A	Air	05/29/19 11:30	05/29/19 17:00	Air Canister (1-Liter) #34001779
320-50724-2	NW-1B	Air	05/29/19 12:40	05/29/19 17:00	Air Canister (1-Liter) #34001922
320-50724-3	NW-1C	Air	05/29/19 12:50	05/29/19 17:00	Air Canister (1-Liter) #34001733
320-50724-4	NW-2A	Air	05/29/19 13:10	05/29/19 17:00	Air Canister (1-Liter) #34001781
320-50724-5	NW-2B	Air	05/29/19 13:20	05/29/19 17:00	Air Canister (1-Liter) #34001838
320-50724-6	NW-2C	Air	05/29/19 13:30	05/29/19 17:00	Air Canister (1-Liter) #34001892
320-50724-7	SW-1	Air	05/29/19 13:48	05/29/19 17:00	Air Canister (1-Liter) #34001711
320-50724-8	SW-2	Air	05/29/19 13:50	05/29/19 17:00	Air Canister (1-Liter) #34001803

Eurofins Tes erica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467.7248

Chai f Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Bryan Campbell	Site Contact:	Date:	COC No:
ATC Group Services LLC	Email: bryan.campbell@atcgs.com	Lab Contact: Tina Paulauskas	Carrier:	____ of ____ COCs
2400 Camino Ramon, Suite 360	Tel/Fax: 925-804-2858			Sampler:
San Ramon, CA 94583	Analysis Turnaround Time			For Lab Use Only:
925-804-2858 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	TAT if different from Below ____			Lab Sampling:
Project Name: Dowdell Industrial Park	☐ 2 weeks			
Site: Dowdell Industrial Park, Rohnert Park, CA	☐ 1 week			Job / SDG No.:
P O # NPPAN18035	☐ 2 days			
	☑ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Fixed Gases* in Air by D1946	Hydrogen Sulfide by EPA 15/16	Sample Specific Notes:
NW-1 A	5/29	1130	Tedlar	G	2			X	X	
NW-1 B		1240			1			X	X	
NW-1 C		1250			1			X	X	
NW-2 A		1310			1			X	X	
NW-2 B		1320			1			X	X	
NW-2 C		1330			1			X	X	
SW-1		1345			1			X	X	
SW-2		1350			1			X	X	

320-50724 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments: * Should include methane.

Custody Seals Intact: ☐ Yes ☐ No N/A	Custody Seal No.: N/A	Cooler Temp. (°C): Obs'd: 29.3 Corr'd: ____	Therm ID No.: 160190838

Relinquished by:	Company: ATC	Date/Time: 5/29/1700	Received by:	Company: ETA-SAC	Date/Time: 5/29/19 1700
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

* Small amount sample in the bag - Looks flat @ receiving. GMB 5/29/19
** Condense inside the bag. GMB 5/29/19

5/31/2019

Heathcote, Lee Ann

From: Bryan Campbell <bryan.campbell@atcgs.com>
Sent: Thursday, May 30, 2019 8:06 AM
To: Heathcote, Lee Ann
Cc: Hillary Williams; Todd Stanford
Subject: RE: Eurofins TestAmerica sample confirmation files from 320-50724-1 Dowdell Industrial, Rohnert Park, CA
Attachments: Std_TAL_Login_Ack_CheckList_Limit.pdf; COC 320-50724 (201905291927).pdf

-External Email-

Lee Ann,

I understand that some of the sample volumes are low (this was all we could get from the well points). Will you still be able to give us results for H2S and fixed gases for each sample? Let me know when we can receive the results. Thank you.

Bryan Campbell, PG, CHG | Branch Manager | **ATC Group Services LLC** | **San Ramon Branch**
+1 925 804 2858 | +1 925 250 5256 mobile

2400 Camino Ramon, Suite 360 | San Ramon, CA 94583
bryan.campbell@atcgs.com | www.atcgroupservices.com

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From: Lee Ann Heathcote [mailto:leeann.heathcote@testamericainc.com]
Sent: Thursday, May 30, 2019 7:56 AM
To: Bryan Campbell <bryan.campbell@atcgs.com>
Subject: Eurofins TestAmerica sample confirmation files from 320-50724-1 Dowdell Industrial, Rohnert Park, CA

Hi Bryan,

Attached please find the sample confirmation files for job 320-50724-1; Dowdell Industrial, Rohnert Park, CA

Please note the following:
Samples "NW-2A" and "NW-2B" have condensation inside the Tedlar bags.
Samples "SW-1" and "SW-2" were received by the laboratory with nearly flat bags.

Please feel free to contact me if you have any questions.

Thank you.

Lee Ann Heathcote

Project Manager

Eurofins TestAmerica, Sacramento

E-mail: leeann.heathcote@testamericainc.com
www.eurofinsus.com | www.testamericainc.com

Reference: [320-197366]
Attachments: 2

Please let us know if we met your expectations by rating the service you received from Eurofins TestAmerica on this project by visiting our website at: Project Feedback

Login Sample Receipt Checklist

Client: ATC Group Services LLC.

Job Number: 320-50724-1

Login Number: 50724
List Number: 1
Creator: Iliev, Gabriela K

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-50724-2
Client Project/Site: Dowdell Industrial, Rohnert Park, CA
Revision: 1

For:
ATC Group Services LLC.
2400 Camino Ramon
Suite 360
San Ramon, California 94583

Attn: Bryan Campbell

Authorized for release by:
6/7/2019 3:25:42 PM

Lee Ann Heathcote, Project Manager II
(916)373-5600
leeann.heathcote@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 320-50724-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-50724-2

Revision
This report was revised on 6/7/19 to lower the reporting limit (RL) for Methane using analytical run by FID rather than TCD instrumentation.

Receipt
The samples were received on 5/29/2019 5:00 PM; the samples arrived in good condition.

Receipt Exceptions
Samples "NW-2A" (320-50724-4) and "NW-2B" (320-50724-5) had condensation inside the sample bags. Samples "SW-1" (320-50724-7) and "SW-2" (320-50724-8) were received with nearly flat sample bags.

The following samples were received in air sample bags: NW-1A (320-50724-1), NW-1B (320-50724-2), NW-1C (320-50724-3), NW-2A (320-50724-4), NW-2B (320-50724-5), NW-2C (320-50724-6), SW-1 (320-50724-7) and SW-2 (320-50724-8). In order to extend the holding times, these samples were transferred from the air sample bags into Summa canisters.

Sample -1 was transferred on 5/30/19 at 15:22 to canister ID 34001779.
Sample -2 was transferred on 5/30/19 at 15:24 to canister ID 34001922.
Sample -3 was transferred on 5/30/19 at 15:25 to canister ID 34001733.
Sample -4 was transferred on 5/30/19 at 15:27 to canister ID 34001781.
Sample -5 was transferred on 5/30/19 at 15:29 to canister ID 34001838.
Sample -6 was transferred on 5/30/19 at 15:31 to canister ID 34001892.
Sample -7 was transferred on 5/30/19 at 15:33 to canister ID 34001711.
Sample -8 was transferred on 5/30/19 at 15:35 to canister ID 34001803.

Air - GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-2

Client Sample ID: NW-1A — Lab Sample ID: 320-50724-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	67		1.4		% v/v	1.42		D1946	Total/NA
Oxygen	20		0.28		% v/v	1.42		D1946	Total/NA
Methane (FID)	0.00036		0.00014		% v/v	1.42		D1946	Total/NA

Client Sample ID: NW-1B — Lab Sample ID: 320-50724-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	69		3.2		% v/v	3.22		D1946	Total/NA
Oxygen	19		0.64		% v/v	3.22		D1946	Total/NA
Methane (FID)	0.00080		0.00032		% v/v	3.22		D1946	Total/NA

Client Sample ID: NW-1C — Lab Sample ID: 320-50724-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	69		1.4		% v/v	1.4		D1946	Total/NA
Oxygen	19		0.28		% v/v	1.4		D1946	Total/NA
Methane (FID)	0.0036		0.00014		% v/v	1.4		D1946	Total/NA

Client Sample ID: NW-2A — Lab Sample ID: 320-50724-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylene	0.00025		0.00019		% v/v	1.87		D1946	Total/NA
Nitrogen	50		1.9		% v/v	1.87		D1946	Total/NA
Oxygen	15		0.37		% v/v	1.87		D1946	Total/NA
Methane (FID)	0.0042		0.00019		% v/v	1.87		D1946	Total/NA

Client Sample ID: NW-2B — Lab Sample ID: 320-50724-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	68		2.8		% v/v	2.79		D1946	Total/NA
Oxygen	20		0.56		% v/v	2.79		D1946	Total/NA
Methane (FID)	0.0066		0.00028		% v/v	2.79		D1946	Total/NA

Client Sample ID: NW-2C — Lab Sample ID: 320-50724-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	68		1.4		% v/v	1.4		D1946	Total/NA
Oxygen	18		0.28		% v/v	1.4		D1946	Total/NA
Methane (FID)	0.017		0.00014		% v/v	1.4		D1946	Total/NA

Client Sample ID: SW-1 — Lab Sample ID: 320-50724-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	70		3.5		% v/v	3.51		D1946	Total/NA
Oxygen	20		0.70		% v/v	3.51		D1946	Total/NA
Methane (FID)	0.14		0.00035		% v/v	3.51		D1946	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 320-50724-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen	66		6.0		% v/v	6.02		D1946	Total/NA
Oxygen	19		1.2		% v/v	6.02		D1946	Total/NA
Methane (FID)	0.0025		0.00060		% v/v	6.02		D1946	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample ID: NW-1A — Lab Sample ID: 320-50724-1

Date Collected: 05/29/19 11:30 **Matrix: Air**
Date Received: 05/29/19 17:00
Sample Container: Tedlar Bag 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		0.71		% v/v			05/31/19 13:23	1.42
Carbon monoxide	ND		0.014		% v/v			05/31/19 13:23	1.42
Ethane	ND		0.00014		% v/v			06/04/19 11:48	1.42
Ethylene	ND		0.00014		% v/v			06/04/19 11:48	1.42
Hydrogen	ND		0.014		% v/v			05/31/19 13:23	1.42
Nitrogen	**67**		1.4		% v/v			05/31/19 13:23	1.42
Oxygen	**20**		0.28		% v/v			05/31/19 13:23	1.42
Propane	ND		0.00014		% v/v			06/04/19 11:48	1.42
Propene	ND		0.00014		% v/v			06/04/19 11:48	1.42
Methane (FID)	**0.00036**		0.00014		% v/v			06/04/19 11:48	1.42

Client Sample ID: NW-1B — Lab Sample ID: 320-50724-2

Date Collected: 05/29/19 12:40 **Matrix: Air**
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		1.6		% v/v			05/31/19 13:31	3.22
Carbon monoxide	ND		0.032		% v/v			05/31/19 13:31	3.22
Ethane	ND		0.00032		% v/v			06/04/19 12:10	3.22
Ethylene	ND		0.00032		% v/v			06/04/19 12:10	3.22
Hydrogen	ND		0.032		% v/v			05/31/19 13:31	3.22
Nitrogen	**69**		3.2		% v/v			05/31/19 13:31	3.22
Oxygen	**19**		0.64		% v/v			05/31/19 13:31	3.22
Propane	ND		0.00032		% v/v			06/04/19 12:10	3.22
Propene	ND		0.00032		% v/v			06/04/19 12:10	3.22
Methane (FID)	**0.00080**		0.00032		% v/v			06/04/19 12:10	3.22

Client Sample ID: NW-1C — Lab Sample ID: 320-50724-3

Date Collected: 05/29/19 12:50 **Matrix: Air**
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		0.70		% v/v			05/31/19 13:49	1.4
Carbon monoxide	ND		0.014		% v/v			05/31/19 13:49	1.4
Ethane	ND		0.00014		% v/v			06/04/19 12:27	1.4
Ethylene	ND		0.00014		% v/v			06/04/19 12:27	1.4
Hydrogen	ND		0.014		% v/v			05/31/19 13:49	1.4
Nitrogen	**69**		1.4		% v/v			05/31/19 13:49	1.4
Oxygen	**19**		0.28		% v/v			05/31/19 13:49	1.4
Propane	ND		0.00014		% v/v			06/04/19 12:27	1.4
Propene	ND		0.00014		% v/v			06/04/19 12:27	1.4
Methane (FID)	**0.0036**		0.00014		% v/v			06/04/19 12:27	1.4

Client Sample ID: NW-2A

Lab Sample ID: 320-50724-4
Matrix: Air
Date Collected: 05/29/19 13:10
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		0.94		% v/v			05/31/19 14:08	1.87
Carbon monoxide	ND		0.019		% v/v			05/31/19 14:08	1.87
Ethane	ND		0.00019		% v/v			06/04/19 12:42	1.87
Ethylene	**0.00025**		0.00019		% v/v			06/04/19 12:42	1.87
Hydrogen	ND		0.019		% v/v			05/31/19 14:08	1.87
Nitrogen	**50**		1.9		% v/v			05/31/19 14:08	1.87
Oxygen	**15**		0.37		% v/v			05/31/19 14:08	1.87
Propane	ND		0.00019		% v/v			06/04/19 12:42	1.87
Propene	ND		0.00019		% v/v			06/04/19 12:42	1.87
Methane (FID)	**0.0042**		0.00019		% v/v			06/04/19 12:42	1.87

Client Sample ID: NW-2B

Lab Sample ID: 320-50724-5
Matrix: Air
Date Collected: 05/29/19 13:20
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		1.4		% v/v			05/31/19 14:21	2.79
Carbon monoxide	ND		0.028		% v/v			05/31/19 14:21	2.79
Ethane	ND		0.00028		% v/v			06/04/19 12:56	2.79
Ethylene	ND		0.00028		% v/v			06/04/19 12:56	2.79
Hydrogen	ND		0.028		% v/v			05/31/19 14:21	2.79
Nitrogen	**68**		2.8		% v/v			05/31/19 14:21	2.79
Oxygen	**20**		0.56		% v/v			05/31/19 14:21	2.79
Propane	ND		0.00028		% v/v			06/04/19 12:56	2.79
Propene	ND		0.00028		% v/v			06/04/19 12:56	2.79
Methane (FID)	**0.0066**		0.00028		% v/v			06/04/19 12:56	2.79

Client Sample ID: NW-2C

Lab Sample ID: 320-50724-6
Matrix: Air
Date Collected: 05/29/19 13:30
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		0.70		% v/v			05/31/19 14:39	1.4
Carbon monoxide	ND		0.014		% v/v			05/31/19 14:39	1.4
Ethane	ND		0.00014		% v/v			06/04/19 14:20	1.4
Ethylene	ND		0.00014		% v/v			06/04/19 14:20	1.4
Hydrogen	ND		0.014		% v/v			05/31/19 14:39	1.4
Nitrogen	**68**		1.4		% v/v			05/31/19 14:39	1.4
Oxygen	**18**		0.28		% v/v			05/31/19 14:39	1.4
Propane	ND		0.00014		% v/v			06/04/19 14:20	1.4
Propene	ND		0.00014		% v/v			06/04/19 14:20	1.4
Methane (FID)	**0.017**		0.00014		% v/v			06/04/19 14:20	1.4

Client: ATC Group Services LLC.
Job ID: 320-50724-2
Project/Site: Dowdell Industrial, Rohnert Park, CA

Client Sample ID: SW-1
Lab Sample ID: 320-50724-7
Date Collected: 05/29/19 13:48
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		1.8		% v/v			05/31/19 15:04	3.51
Carbon monoxide	ND		0.035		% v/v			05/31/19 15:04	3.51
Ethane	ND		0.00035		% v/v			06/04/19 14:35	3.51
Ethylene	ND		0.00035		% v/v			06/04/19 14:35	3.51
Hydrogen	ND		0.035		% v/v			05/31/19 15:04	3.51
Nitrogen	**70**		3.5		% v/v			05/31/19 15:04	3.51
Oxygen	**20**		0.70		% v/v			05/31/19 15:04	3.51
Propane	ND		0.00035		% v/v			06/04/19 14:35	3.51
Propene	ND		0.00035		% v/v			06/04/19 14:35	3.51
Methane (FID)	**0.14**		0.00035		% v/v			06/04/19 14:35	3.51

Client Sample ID: SW-2
Lab Sample ID: 320-50724-8
Date Collected: 05/29/19 13:50
Matrix: Air
Date Received: 05/29/19 17:00
Sample Container: Summa Canister 1L

Method: D1946 - Fixed Gases in Air (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		3.0		% v/v			05/31/19 15:19	6.02
Carbon monoxide	ND		0.060		% v/v			05/31/19 15:19	6.02
Ethane	ND		0.00060		% v/v			06/04/19 14:51	6.02
Ethylene	ND		0.00060		% v/v			06/04/19 14:51	6.02
Hydrogen	ND		0.060		% v/v			05/31/19 15:19	6.02
Nitrogen	**66**		6.0		% v/v			05/31/19 15:19	6.02
Oxygen	**19**		1.2		% v/v			05/31/19 15:19	6.02
Propane	ND		0.00060		% v/v			06/04/19 14:51	6.02
Propene	ND		0.00060		% v/v			06/04/19 14:51	6.02
Methane (FID)	**0.0025**		0.00060		% v/v			06/04/19 14:51	6.02

Method: D1946 - Fixed Gases in Air (GC)

Lab Sample ID: MB 320-298294/10
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydrogen	ND		0.010		% v/v			05/31/19 12:38	1

Lab Sample ID: MB 320-298294/11
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon Dioxide (TCD)	ND		0.50		% v/v			05/31/19 12:52	1
Carbon monoxide	ND		0.010		% v/v			05/31/19 12:52	1
Nitrogen	ND		1.0		% v/v			05/31/19 12:52	1
Oxygen	ND		0.20		% v/v			05/31/19 12:52	1

Lab Sample ID: LCS 320-298294/2
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon Dioxide (TCD)	23.9	21.9		% v/v		92	80 - 120
Carbon monoxide	24.9	25.8		% v/v		104	80 - 120
Methane (TCD)	25.8	23.5		% v/v		91	80 - 120
Nitrogen	25.9	26.2		% v/v		101	80 - 120

Lab Sample ID: LCS 320-298294/5
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oxygen	17.4	16.5		% v/v		95	80 - 120

Lab Sample ID: LCS 320-298294/8
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hydrogen	20.0	22.2		% v/v		111	80 - 120

Lab Sample ID: LCSD 320-298294/3
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon Dioxide (TCD)	23.9	22.1		% v/v		92	80 - 120	1	20
Carbon monoxide	24.9	25.8		% v/v		104	80 - 120	0	20
Methane (TCD)	25.8	23.5		% v/v		91	80 - 120	0	20
Nitrogen	25.9	26.2		% v/v		101	80 - 120	0	20

Method: D1946 - Fixed Gases in Air (GC) (Continued)

Lab Sample ID: LCSD 320-298294/6
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oxygen			17.4	16.5		% v/v		95	80 - 120	0	20

Lab Sample ID: LCSD 320-298294/9
Matrix: Air
Analysis Batch: 298294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hydrogen			20.0	22.8		% v/v		114	80 - 120	3	20

Lab Sample ID: MB 320-298969/5
Matrix: Air
Analysis Batch: 298969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		0.00010		% v/v			06/04/19 10:50	1
Ethylene	ND		0.00010		% v/v			06/04/19 10:50	1
Propane	ND		0.00010		% v/v			06/04/19 10:50	1
Propene	ND		0.00010		% v/v			06/04/19 10:50	1
Methane (FID)	ND		0.00010		% v/v			06/04/19 10:50	1

Lab Sample ID: LCS 320-298969/2
Matrix: Air
Analysis Batch: 298969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane			0.0250	0.0223		% v/v		89	80 - 120
Ethylene			0.0250	0.0220		% v/v		88	80 - 120
Propane			0.0250	0.0217		% v/v		87	80 - 120
Propene			0.0250	0.0240		% v/v		96	80 - 120
Methane (FID)			0.0250	0.0220		% v/v		88	80 - 120

Lab Sample ID: LCSD 320-298969/3
Matrix: Air
Analysis Batch: 298969

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane			0.0250	0.0230		% v/v		92	80 - 120	3	20
Ethylene			0.0250	0.0228		% v/v		91	80 - 120	3	20
Propane			0.0250	0.0223		% v/v		89	80 - 120	3	20
Propene			0.0250	0.0254		% v/v		102	80 - 120	6	20
Methane (FID)			0.0250	0.0230		% v/v		92	80 - 120	4	20

QC Association Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-2

Air - GC VOA

Analysis Batch: 298294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-50724-1	NW-1A	Total/NA	Air	D1946	
320-50724-2	NW-1B	Total/NA	Air	D1946	
320-50724-3	NW-1C	Total/NA	Air	D1946	
320-50724-4	NW-2A	Total/NA	Air	D1946	
320-50724-5	NW-2B	Total/NA	Air	D1946	
320-50724-6	NW-2C	Total/NA	Air	D1946	
320-50724-7	SW-1	Total/NA	Air	D1946	
320-50724-8	SW-2	Total/NA	Air	D1946	
MB 320-298294/10	Method Blank	Total/NA	Air	D1946	
MB 320-298294/11	Method Blank	Total/NA	Air	D1946	
LCS 320-298294/2	Lab Control Sample	Total/NA	Air	D1946	
LCS 320-298294/5	Lab Control Sample	Total/NA	Air	D1946	
LCS 320-298294/8	Lab Control Sample	Total/NA	Air	D1946	
LCSD 320-298294/3	Lab Control Sample Dup	Total/NA	Air	D1946	
LCSD 320-298294/6	Lab Control Sample Dup	Total/NA	Air	D1946	
LCSD 320-298294/9	Lab Control Sample Dup	Total/NA	Air	D1946	

Analysis Batch: 298969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-50724-1	NW-1A	Total/NA	Air	D1946	
320-50724-2	NW-1B	Total/NA	Air	D1946	
320-50724-3	NW-1C	Total/NA	Air	D1946	
320-50724-4	NW-2A	Total/NA	Air	D1946	
320-50724-5	NW-2B	Total/NA	Air	D1946	
320-50724-6	NW-2C	Total/NA	Air	D1946	
320-50724-7	SW-1	Total/NA	Air	D1946	
320-50724-8	SW-2	Total/NA	Air	D1946	
MB 320-298969/5	Method Blank	Total/NA	Air	D1946	
LCS 320-298969/2	Lab Control Sample	Total/NA	Air	D1946	
LCSD 320-298969/3	Lab Control Sample Dup	Total/NA	Air	D1946	

Lab Chronicle

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-2

Client Sample ID: NW-1A
Date Collected: 05/29/19 11:30
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1.42	50 mL	50 mL	298969	06/04/19 11:48	EMJ	TAL SAC
Total/NA	Analysis	D1946		1.42	50 mL	50 mL	298294	05/31/19 13:23	EMJ	TAL SAC

Client Sample ID: NW-1B
Date Collected: 05/29/19 12:40
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		3.22	50 mL	50 mL	298969	06/04/19 12:10	EMJ	TAL SAC
Total/NA	Analysis	D1946		3.22	50 mL	50 mL	298294	05/31/19 13:31	EMJ	TAL SAC

Client Sample ID: NW-1C
Date Collected: 05/29/19 12:50
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1.4	50 mL	50 mL	298969	06/04/19 12:27	EMJ	TAL SAC
Total/NA	Analysis	D1946		1.4	50 mL	50 mL	298294	05/31/19 13:49	EMJ	TAL SAC

Client Sample ID: NW-2A
Date Collected: 05/29/19 13:10
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1.87	50 mL	50 mL	298969	06/04/19 12:42	EMJ	TAL SAC
Total/NA	Analysis	D1946		1.87	50 mL	50 mL	298294	05/31/19 14:08	EMJ	TAL SAC

Client Sample ID: NW-2B
Date Collected: 05/29/19 13:20
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		2.79	50 mL	50 mL	298969	06/04/19 12:56	EMJ	TAL SAC
Total/NA	Analysis	D1946		2.79	50 mL	50 mL	298294	05/31/19 14:21	EMJ	TAL SAC

Client Sample ID: NW-2C
Date Collected: 05/29/19 13:30
Date Received: 05/29/19 17:00

Lab Sample ID: 320-50724-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		1.4	50 mL	50 mL	298969	06/04/19 14:20	EMJ	TAL SAC
Total/NA	Analysis	D1946		1.4	50 mL	50 mL	298294	05/31/19 14:39	EMJ	TAL SAC

Lab Chronicle

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-2

Client Sample ID: SW-1

Lab Sample ID: 320-50724-7

Date Collected: 05/29/19 13:48
Matrix: Air
Date Received: 05/29/19 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		3.51	50 mL	50 mL	298969	06/04/19 14:35	EMJ	TAL SAC
Total/NA	Analysis	D1946		3.51	50 mL	50 mL	298294	05/31/19 15:04	EMJ	TAL SAC

Client Sample ID: SW-2

Lab Sample ID: 320-50724-8

Date Collected: 05/29/19 13:50
Matrix: Air
Date Received: 05/29/19 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1946		6.02	50 mL	50 mL	298969	06/04/19 14:51	EMJ	TAL SAC
Total/NA	Analysis	D1946		6.02	50 mL	50 mL	298294	05/31/19 15:19	EMJ	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: ATC Group Services LLC. Job ID: 320-50724-2
Project/Site: Dowdell Industrial, Rohnert Park, CA

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2897	01-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
D1946		Air	Carbon Dioxide (TCD)
D1946		Air	Carbon monoxide
D1946		Air	Ethane
D1946		Air	Ethylene
D1946		Air	Hydrogen
D1946		Air	Methane (FID)
D1946		Air	Nitrogen
D1946		Air	Oxygen
D1946		Air	Propane
D1946		Air	Propene

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	4040	01-29-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
D1946		Air	Propene

Method Summary

Client: ATC Group Services LLC.
Project/Site: Dowdell Industrial, Rohnert Park, CA

Job ID: 320-50724-2

Method	Method Description	Protocol	Laboratory
D1946	Fixed Gases in Air (GC)	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

1 0t en t A1 T Gr u pi Sv i c ss1 L
. GP vrjp ln : Do/ wi Clew r cn dGa, oRei Gn. dGa1 t

Job ID: 320-50724-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-50724-k	NW-kt	t IG	05j29jk9 kk:30	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k779
320-50724-2	NW-kB	t IG	05j29jk9 k2:40	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k922
320-50724-3	NW-k1	t IG	05j29jk9 k2:50	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k733
320-50724-4	NW-2t	t IG	05j29jk9 k3:k0	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k78k
320-50724-5	NW-2B	t IG	05j29jk9 k3:20	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k838
320-50724-6	NW-21	t IG	05j29jk9 k3:30	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k892
320-50724-7	pW-k	t IG	05j29jk9 k3:48	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k7kk
320-50724-8	pW-2	t IG	05j29jk9 k3:50	05j29jk9 k7:00	t IG1 delcn G(k-sln G)#3400k803

Er Gflec Ai crt mi Gvdap dvGdmi en

Eurofins Tes erica, Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1500
phone 916.373.5600 fax 303.467.7248

Chai f Custody Record

eurofins Environment Testing TestAmerica

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Bryan Campbell	Site Contact:	Date:	COC No:
ATC Group Services LLC	Email: bryan.campbell@atcgs.com	Lab Contact: Tina Paulauskas	Carrier:	_____ of _____ COCs
2400 Camino Ramon, Suite 360	Tel/Fax: 925-804-2858			Sampler:
San Ramon, CA 94583	Analysis Turnaround Time			For Lab Use Only:
925-804-2858 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	TAT if different from Below _____			Lab Sampling:
Project Name: Dowdell Industrial Park	☐ 2 weeks			
Site: Dowdell Industrial Park, Rohnert Park, CA	☐ 1 week			Job / SDG No.:
P O # NPPAN18035	☐ 2 days			
	☑ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Fixed Gases* in Air by D1946	Hydrogen Sulfide by EPA 15/16	Sample Specific Notes:
NW-1 A	5/29	1130	Tedlar	G	2			X	X	
NW-1 B		1240			1			X	X	
NW-1 C		1250			1			X	X	
NW-2 A		1310			1			X	X	
NW-2 B		1320			1			X	X	
NW-2 C		1330			1			X	X	
SW-1		1345			1			X	X	
SW-2		1350			1			X	X	

320-50724 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☐Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments: * Should include methane.

Custody Seals Intact: ☐ Yes ☐ No N/A	Custody Seal No.: N/A	Cooler Temp. (°C): Obs'd: 29.3 Corr'd: _____	Therm ID No.: 160190838

Relinquished by:	Company: ATC	Date/Time: 5/29/1700	Received by:	Company: ETA-SAC	Date/Time: 5/29/19 1700
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

* Small amount sample in the bag - Looks flat @ receiving. GLB 5/29/19
** Condense inside the bag. GLB 5/29/19

Heathcote, Lee Ann

From: Bryan Campbell <bryan.campbell@atcgs.com>
Sent: Thursday, May 30, 2019 8:06 AM
To: Heathcote, Lee Ann
Cc: Hillary Williams; Todd Stanford
Subject: RE: Eurofins TestAmerica sample confirmation files from 320-50724-1 Dowdell Industrial, Rohnert Park, CA
Attachments: Std_TAL_Login_Ack_CheckList_Limit.pdf; COC 320-50724 (201905291927).pdf

-External Email-

Lee Ann,

I understand that some of the sample volumes are low (this was all we could get from the well points). Will you still be able to give us results for H2S and fixed gases for each sample? Let me know when we can receive the results. Thank you.

Bryan Campbell, PG, CHG | Branch Manager | **ATC Group Services LLC** | **San Ramon Branch**
+1 925 804 2858 | +1 925 250 5256 mobile

2400 Camino Ramon, Suite 360 | San Ramon, CA 94583
bryan.campbell@atcgs.com | www.atcgroupservices.com

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From: Lee Ann Heathcote [mailto:leeann.heathcote@testamericainc.com]
Sent: Thursday, May 30, 2019 7:56 AM
To: Bryan Campbell <bryan.campbell@atcgs.com>
Subject: Eurofins TestAmerica sample confirmation files from 320-50724-1 Dowdell Industrial, Rohnert Park, CA

Hi Bryan,

Attached please find the sample confirmation files for job 320-50724-1; Dowdell Industrial, Rohnert Park, CA

Please note the following:
Samples "NW-2A" and "NW-2B" have condensation inside the Tedlar bags.
Samples "SW-1" and "SW-2" were received by the laboratory with nearly flat bags.

Please feel free to contact me if you have any questions.

Thank you.

Lee Ann Heathcote

Project Manager

Eurofins TestAmerica, Sacramento

E-mail: leeann.heathcote@testamericainc.com
www.eurofinsus.com | www.testamericainc.com

Reference: [320-197366]
Attachments: 2

Please let us know if we met your expectations by rating the service you received from Eurofins TestAmerica on this project by visiting our website at: Project Feedback

Login Sample Receipt Checklist

Client: ATC Group Services LLC. Job Number: 320-50724-2

Login Number: 50724 **List Source: Eurofins TestAmerica, Sacramento**
List Number: 1
Creator: Iliev, Gabriela K

Question	Answer	Comment
1 RaioRctivitd y Rsnwtvc' echea or is k<4 bRch=rouna Rs meRsurea bd R surved meter.	True	
T' e coolerw custoad seRigi, presentgis intRct.	N<A	
SRmple custoad seRisgi, presentgRre intRct.	N<A	
T' e cooler or sRmples ao not RppeRr to ' Rve been compromisea or tRmperea y it' .	True	
SRmples y ere receivea on ice.	N<A	T' ermRl preservRtion not ref uirea.
Cooler TemperRture is RcceptRble.	N<A	
Cooler TemperRture is recoraea.	N<A	
Cq C is present.	True	
Cq C is ,illea out in inh Rna le=ible.	True	
Cq C is ,illea out y it' RIl pertinent in,ormRtion.	True	
Gs t' e I iela SRmplerw nRme present on Cq CF	True	
T' ere Rre no aiscrepRncies bety een t' e contRiners receivea Rna t' e Cq C.	True	
SRmples Rre receivea y it' in ? olain= Time He(cluain= tests y it' immeaiRte ? Tsx	True	
SRmple contRiners ' Rve le=ible lRbels.	True	
ContRiners Rre not brohen or leRhin=.	True	
SRmple collection aRte<times Rre proviaea.	True	
AppropriRte sRmple contRiners Rre usea.	True	
SRmple bottles Rre completeld ,illea.	N<A	
SRmple) reservRtion Peri,iea.	N<A	
T' ere is su,,icient vol. ,or RIl ref uestea RnRldsesgincl. Rnd ref uestea V S<V SMs	N<A	
ContRiners ref uirin= Dero ' eRaspRce ' Rve no ' eRaspRce or bubble is kzmm H6<4"x	N<A	
V ultip' Rsic sRmples Rre not present.	True	
SRmples ao not ref uire splittin= or compositin=.	True	
1 esiauRl C' lorine C' echea.	N<A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sacramento
1 Liter Canister QC Certification
Batch Certification

Date Cleaned/Batch ID: C052019

Date of QC: 5/24/19

Data File Number: C:\MSDChem\1\DATA\190524\

320-50468 Chain of Custody

(File ID for certification analysis of canister designated below)

CANISTER ID NUMBERS

*	34001865 AS90524r06.d		34001700
	34001803		34001892
	34001895		34001872
	34001838		7539
	34001781		34001733
	34001779		34001773
	34001711		34001862
	34001817		34001922

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type* " indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED

1st Level Reviewed By — Date: 5/25/19

2nd Level Reviewed By — Date: 6/12/19

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-50468-1

SDG No.:

Client Sample ID: 34001865 Lab Sample ID: 320-50468-1

Matrix: Air Lab File ID: MS7052406.D

Analysis Method: TO-15 Date Collected: 05/20/2019 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/24/2019 15:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 296761 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	0.18
107-02-8	Acrolein	ND		2.0	0.22
107-13-1	Acrylonitrile	ND		2.0	0.19
107-05-1	Allyl chloride	ND		0.80	0.11
71-43-2	Benzene	ND		0.40	0.079
100-44-7	Benzyl chloride	ND		0.80	0.16
75-27-4	Bromodichloromethane	ND		0.30	0.066
75-25-2	Bromoform	ND		0.40	0.070
74-83-9	Bromomethane	ND		0.80	0.34
106-99-0	1,3-Butadiene	ND		0.80	0.15
106-97-8	n-Butane	ND		0.40	0.15
78-93-3	2-Butanone (MEK)	ND		0.80	0.20
75-65-0	tert-Butyl alcohol (TBA)	ND		2.0	0.11
104-51-8	n-Butylbenzene	ND		0.40	0.18
135-98-8	sec-Butylbenzene	ND		0.40	0.070
98-06-6	tert-Butylbenzene	ND		0.80	0.068
75-15-0	Carbon disulfide	ND		0.80	0.078
56-23-5	Carbon tetrachloride	ND		0.80	0.064
108-90-7	Chlorobenzene	ND		0.30	0.064
75-45-6	Chlorodifluoromethane	0.41	J	0.80	0.27
75-00-3	Chloroethane	ND		0.80	0.31
67-66-3	Chloroform	ND		0.30	0.095
74-87-3	Chloromethane	ND		0.80	0.20
95-49-8	2-Chlorotoluene	ND		0.40	0.080
110-82-7	Cyclohexane	ND		0.40	0.084
124-48-1	Dibromochloromethane	ND		0.40	0.079
106-93-4	1,2-Dibromoethane (EDB)	ND		0.80	0.075
74-95-3	Dibromomethane	ND		0.40	0.057
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.40	0.16
95-50-1	1,2-Dichlorobenzene	ND		0.40	0.13
541-73-1	1,3-Dichlorobenzene	ND		0.40	0.11
106-46-7	1,4-Dichlorobenzene	ND		0.40	0.15
75-71-8	Dichlorodifluoromethane	ND		0.40	0.15
75-34-3	1,1-Dichloroethane	ND		0.30	0.072
107-06-2	1,2-Dichloroethane	ND		0.80	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-50468-1

SDG No.:

Client Sample ID: 34001865 Lab Sample ID: 320-50468-1

Matrix: Air Lab File ID: MS7052406.D

Analysis Method: TO-15 Date Collected: 05/20/2019 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/24/2019 15:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 296761 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.80	0.13
156-59-2	cis-1,2-Dichloroethene	ND		0.40	0.089
156-60-5	trans-1,2-Dichloroethene	ND		0.40	0.10
78-87-5	1,2-Dichloropropane	ND		0.40	0.24
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.088
123-91-1	1,4-Dioxane	ND		0.80	0.10
141-78-6	Ethyl acetate	ND		0.30	0.18
100-41-4	Ethylbenzene	ND		0.40	0.063
622-96-8	4-Ethyltoluene	ND		0.40	0.19
142-82-5	n-Heptane	ND		0.80	0.063
87-68-3	Hexachlorobutadiene	ND		2.0	0.43
110-54-3	n-Hexane	ND		0.80	0.075
591-78-6	2-Hexanone	ND		0.40	0.087
98-82-8	Isopropylbenzene	ND		0.80	0.10
99-87-6	4-Isopropyltoluene	ND		0.80	0.12
1634-04-4	Methyl-t-Butyl Ether (MTBE)	ND		0.80	0.12
80-62-6	Methyl methacrylate	ND		0.80	0.16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.40	0.14
75-09-2	Methylene Chloride	ND		0.40	0.072
98-83-9	alpha-Methylstyrene	ND		0.40	0.065
91-20-3	Naphthalene	ND		0.80	0.56
111-65-9	n-Octane	ND		0.40	0.055
109-66-0	n-Pentane	ND		0.80	0.26
115-07-1	Propylene	ND		0.40	0.099
103-65-1	N-Propylbenzene	ND		0.40	0.059
100-42-5	Styrene	ND		0.40	0.059
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.40	0.069
127-18-4	Tetrachloroethene	ND		0.40	0.051
109-99-9	Tetrahydrofuran	ND		0.80	0.21
108-88-3	Toluene	ND		0.40	0.051
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.16
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.43
71-55-6	1,1,1-Trichloroethane	ND		0.30	0.065
79-00-5	1,1,2-Trichloroethane	ND		0.40	0.067

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-50468-1

SDG No.:

Client Sample ID: 34001865 Lab Sample ID: 320-50468-1

Matrix: Air Lab File ID: MS7052406.D

Analysis Method: TO-15 Date Collected: 05/20/2019 00:00

Sample wt/vol: 500(mL) Date Analyzed: 05/24/2019 15:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-Volatiles ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 296761 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		0.40	0.11
75-69-4	Trichlorofluoromethane	ND		0.40	0.20
96-18-4	1,2,3-Trichloropropane	ND		0.40	0.17
95-63-6	1,2,4-Trimethylbenzene	ND		0.80	0.16
108-67-8	1,3,5-Trimethylbenzene	ND		0.40	0.13
540-84-1	2,2,4-Trimethylpentane	ND		0.40	0.071
108-05-4	Vinyl acetate	ND		0.80	0.15
593-60-2	Vinyl bromide	ND		0.80	0.26
75-01-4	Vinyl chloride	ND		0.40	0.12
179601-23-1	m,p-Xylene	ND		0.80	0.10
95-47-6	o-Xylene	ND		0.40	0.054
1330-20-7	Xylenes, Total	ND		1.2	0.074
87-61-6	1,2,3-Trichlorobenzene	ND		2.0	0.62
60-29-7	Ethyl ether	ND		0.80	0.20
71-36-3	n-Butanol	ND		2.0	0.26
111-84-2	n-Nonane	ND		0.80	0.058

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

Eurofins TestAmerica, Sacramento
Target Compound Quantitation Report

Data File: \\chromna\Sacramento\ChromData\ATMS7\20190524-76811.b\MS7052406.D
Lims ID: 320-50468-A-1
Client ID: 34001865
Sample Type: Client
Inject. Date: 24-May-2019 15:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 320-50468-A-1
Misc. Info.: 500 mL CAN CERT
Operator ID: LHS Instrument ID: ATMS7

Method: \\chromna\Sacramento\ChromData\ATMS7\20190524-76811.b\TO15_ATMS7N.m
Limit Group: MSA - TO15 - ICAL
Last Update: 24-May-2019 17:07:49 Calib Date: 24-May-2019 11:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Sacramento\ChromData\ATMS7\20190524-76811.b\MS7052402.D

Column 1 : RTX Volatiles (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: vanommens Date: 24-May-2019 17:06:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	130	12.347	12.305	0.042	97	110853	10.0	
* 2 1,4-Difluorobenzene	114	14.452	14.410	0.042	96	435457	10.0	
* 3 Chlorobenzene-d5 (IS)	117	21.083	21.041	0.042	92	380689	10.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	13.521	13.525	0.036	98	223363	10.2	
$ 5 Toluene-d8 (Surr)	100	17.823	17.826	0.049	98	309752	9.82	
$ 6 4-Bromofluorobenzene (Surr	95	23.620	23.631	0.036	83	307337	9.95	
12 Chlorodifluoromethane	51	4.128	4.112	0.030	93	136972	0.4103	
16 Chloromethane	50	4.627	4.607	0.036	96	6057	0.0421	
32 Acetone	43	7.553	7.543	0.036	99	39941	0.1228	
39 Methylene Chloride	49	8.855	8.856	0.030	98	13146	0.0555	

Reagents:

VAMSIS50_00007 Amount Added: 50.00 Units: mL Run Reagent

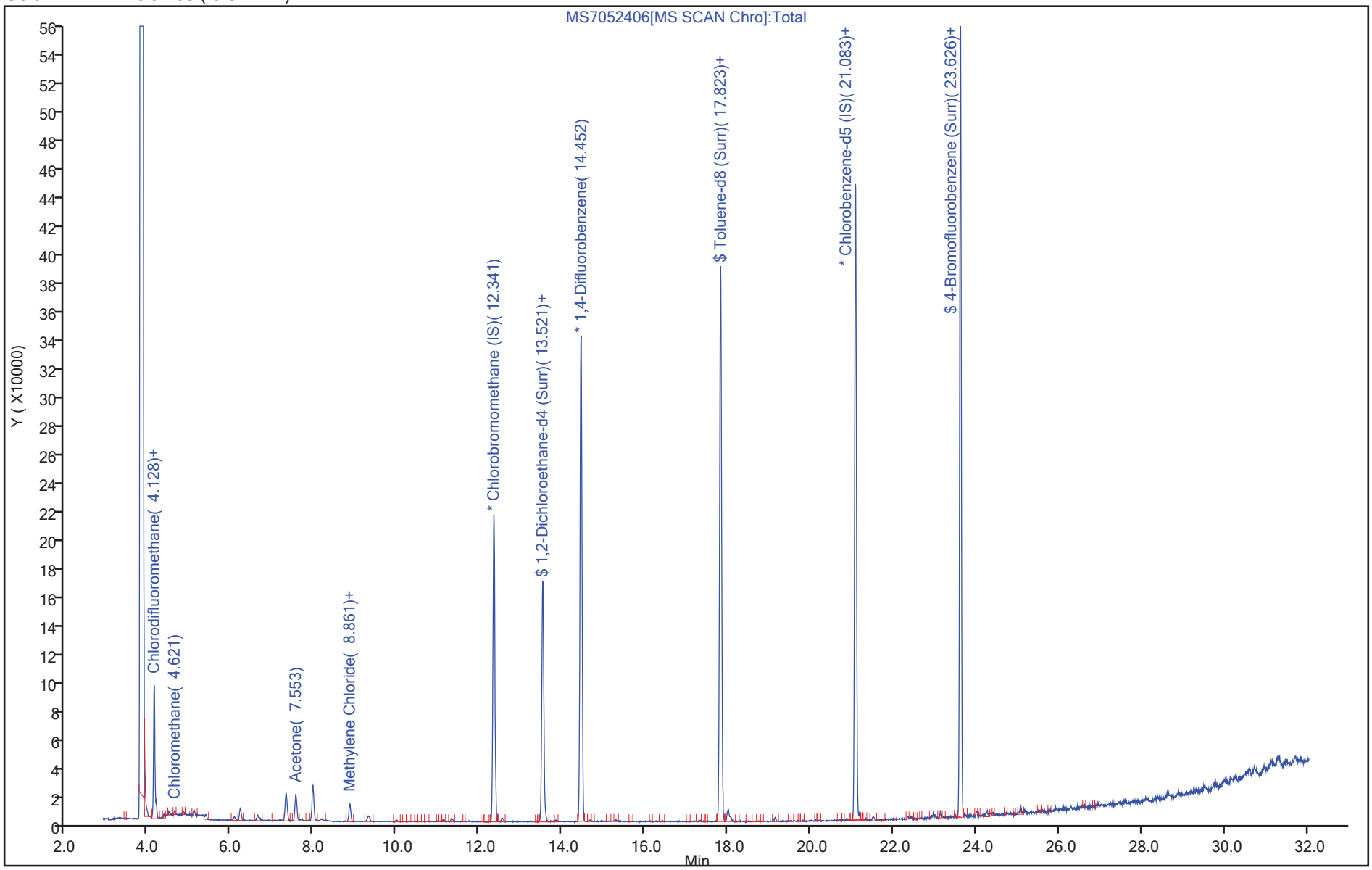
Report Date: 24-May-2019 17:07:52 Chrom Revision: 2.3 12-May-2019 16:28:34

Eurofins TestAmerica, Sacramento

Data File: \\chromna\Sacramento\ChromData\ATMS7\20190524-76811.b\MS7052406.D

Injection Date:	24-May-2019 15:33:30	Instrument ID:	ATMS7	Operator ID:	LHS
Lims ID:	320-50468-A-1	Lab Sample ID:	320-50468-1	Worklist Smp#:	6
Client ID:	34001865				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_ATMS7N	Limit Group:	MSA - TO15 - ICAL		

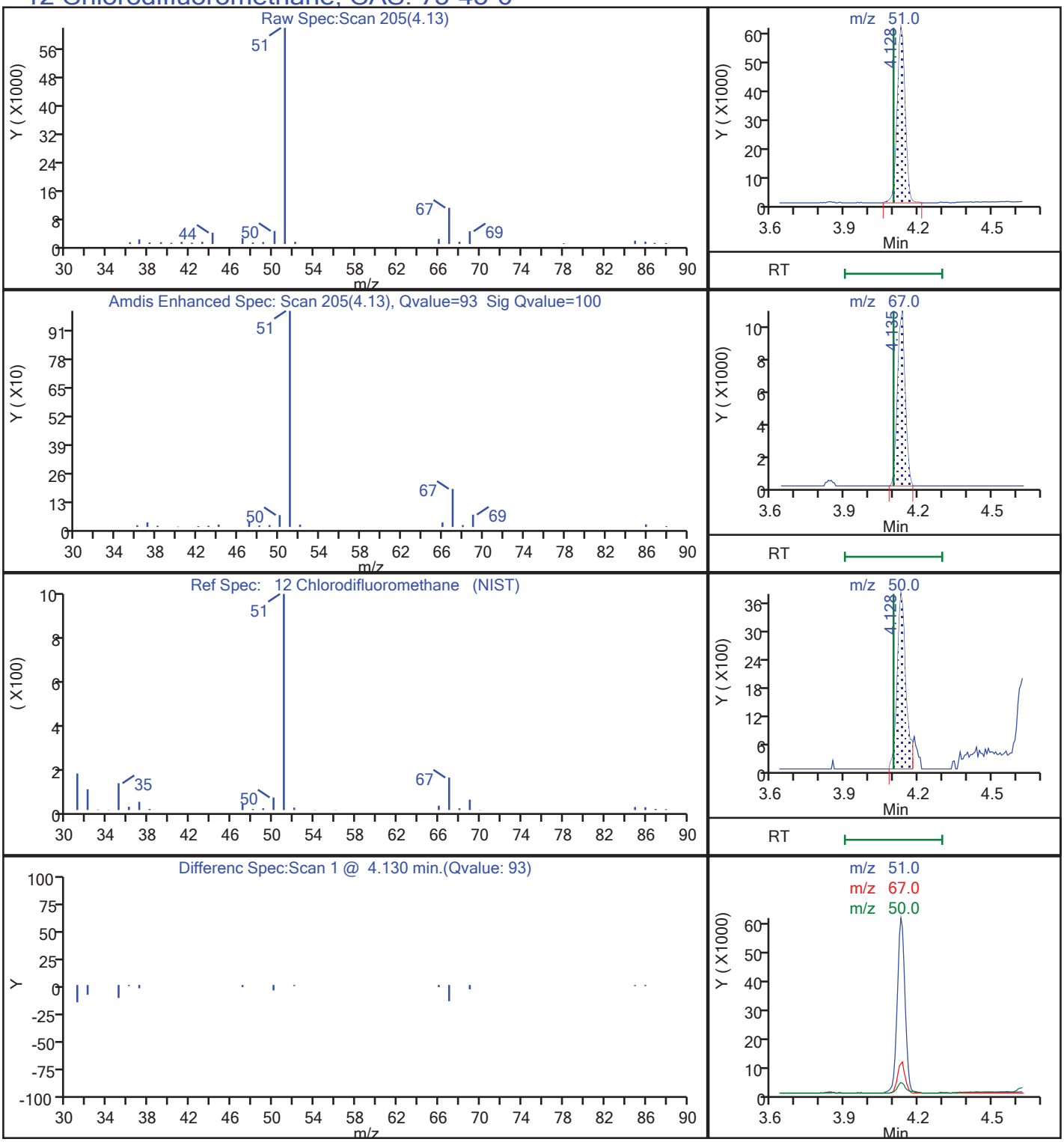
Column: RTX Volatiles (0.32 mm)



Eurofins TestAmerica, Sacramento

Data File:	\\chromna\Sacramento\ChromData\ATMS7\20190524-76811.b\MS7052406.D				
Injection Date:	24-May-2019 15:33:30	Instrument ID:	ATMS7		
Lims ID:	320-50468-A-1	Lab Sample ID:	320-50468-1		
Client ID:	34001865				
Operator ID:	LHS	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	TO15_ATMS7N	Limit Group:	MSA - TO15 - ICAL		
Column:	RTX Volatiles (0.32 mm)	Detector	MS SCAN		

12 Chlorodifluoromethane, CAS: 75-45-6



Appendix E

Acoustical Analysis

OSTERGAARD ACOUSTICAL ASSOCIATES
1460 US Highway 9 North Suite 209
Woodbridge, NJ 07095
Voice 973-731-7002
Fax 973-731-6680
acousticalconsultant.com

VIA EMAIL ONLY SBeauchamp@Panattoni.com

20 February 2020

Mr. Steve Beauchamp
Panattoni Development Company, Inc.
8775 Folsom Blvd., Suite 200
Sacramento, CA 95826

Cc: Mr. Brent Collins, bhcollins@panattoni.com

Re: Acoustical Analyses — Short Form Sound Study - Revision 2
Proposed Warehouse, Rohnert Park, CA
OAA Project 4171A

Dear Mr. Beauchamp:

As requested, Ostergaard Acoustical Associates (OAA) has carried out a high-level sound study to evaluate the acoustical risk of your warehouse project. Tenants are not known at this time so this evaluation is based on assumptions derived from OAA's experience with facilities of this nature. This report reflects updated changes to the project including primary entrance location as well as a proposed 10-foot property line sound wall along the south boundary. Parking along the southern property line has been reconfigured.

Two warehouse buildings are a proposed on the parcel located southwest of the intersection of Business Park Drive and Dowdell Avenue in Rohnert Park, Sonoma County, California. The site is in the I-L, Industrial, District and part of the Stadium Area Master Plan (SAMP). North of the site, across Business Park Drive, are various uses in multiple zones. These include a casino in the Casino Area District, vacant parcels in the SP1 and SP2, Special Permit, Districts, and established commercial uses fronting on Redwood Highway (Route 101) in the C-R, Regional Commercial, District. East of the site are other parcels zoned I-L. Abutting the site to the south are multi-story apartments that are part of Fiori Estates and located in the PD1, Stadium Lands Planned Development, District. West of the site are multiple uses in the I-L District including an electromechanical drive manufacturer. The nearest residential district is located about 2,000 feet to the southwest, in the R-H, Medium Density Residential, District. Although located within the non-residential PD district, of most concern from an acoustical aspect are the residential receptors south of the site.

Plans call for the construction of two approximately 90,000 ft^2 warehouse buildings. The buildings are nominally "C-shaped" and form somewhat of a donut; the two buildings are separated by an 88-foot access drive. Loading docks are located in the center of the two buildings. The building shape and layout blocks line-of-sight of dock activity to many residential

vantage points to the south. Surrounding the buildings on the outer perimeter are vehicle parking lots. Also of note is there are two trash enclosures located on the east and south side of the property. Access to the site is provided from both Dowdell Avenue and Business Park Drive. The primary site entrance will be from Dowdell Avenue; Business Park Drive will be a "right in, right out" driveway. A ten-foot tall solid CMU sound wall is proposed along the southern boundary adjoining the residences, to assist with mitigating off site sound.

Local, county, and state noise codes were reviewed.

The City of Rohnert Park discusses noise in multiple areas. Chapter 9.44 - Noise discusses estimated minimum ambient sound levels for various districts within the city. Minimum ambient sound levels of 70 dB(A) are given in Section 9.44.040 for a Limited Industrial District. No specific ambient sound levels are provided for a Planned Development District. The code continues to state that site sound emissions should not exceed the ambient base levels provided at the receiving property line. Provisions specific to motor vehicles are provided in Sections 9.44.130 and 9.44.140 and call for vehicles to not produce noise that causes discomfort or annoyance when traveling outside of public rights-of-way. Under Zoning Performance Standards Section 17.12.030, site sound emissions should not exceed 70 dB(A) at the property line of an industrial district property. The PD district would be considered mixed use; sound emissions should not exceed 65 dB(A) at the property line of a mixed use district. There are more restrictive limits that apply at residential districts. The nearest residential district is a significant distance away from the site and site sound will be an acoustical non-issue at these distances. There were no noise ordinances pertaining to the site found under Sonoma County Code. The State of California has no code language regulating site sound emissions; however, it does regulate motor vehicle noise. Heavy trucks manufactured after 1987 are limited to a sound pressure level of 80 dB(A) at 50 feet. Motor vehicles under 6,000 pounds must meet 95 dB(A) at 50 feet. These limits are expected to be met on all public roads and are readily met by vehicles in good working condition. Based on the above, the most stringent code limit to meet is 65 dB(A) at the southern property line of abutting residences.

Operations for the site are not known. A typical warehouse site operation comprises personnel vehicle activity primarily during the daytime hours and shift changes, with intermittent truck arrivals and departures across its operating hours. Because applicable code limits are the same for both day and night, analyses here are applicable for site operation at any time. Based on previous sound surveys, a line-haul heavy truck produces maximum sound pressure levels in the 74-to-79 dB(A) range at 50 feet. These levels encompass sound from activities such as back-up alarms, air brakes, coupling/decoupling, and movements. Straight body box trucks are somewhat

lower in level, 70 dB(A) at 50 feet. Personnel vehicles exhibit significantly lower maximum sound pressure levels, nominally 59 dB(A) at 50 feet. Note that all these maximum sound levels meet the State of California vehicle limits. These maximum sound levels were projected to nearby residences to compare with applicable code limits. For simplification, shielding effects of terrain and off-site buildings were not considered, however the 10-foot sound wall was included in analyses.

Trucks will be about 35 feet from the south property line when entering the site from Dowdell Avenue. Accounting for the sound wall attenuation, property line sound levels due to line haul trucks will be about 65 dB(A) and comply with code. Elevated second story windows may not receive full screening from the sound walls but are further away from the property line. At a distance of 140 feet, a driving line haul truck will meet the code limit at upper windows, without any benefit from the proposed barrier. The majority of high-level truck activity will occur in the dock area. Activity at the nearest on-site dock projected to the nearest residential receptor 250 feet away shows levels of 56-to-65 dB(A) without the sound wall; vantage points screened by the building or sound wall will be further reduced by 5-to-10 dB. Emissions of this magnitude again comply with the mixed-use district limit. It is worth mentioning that calculations above were done using line haul sound data; a box truck is about 4-to-9 dB(A) lower in level, and hence will result in reduced levels accordingly. Personnel vehicles entering the site will be screened by the sound wall when nearest the property line and will result in maximum sound levels in the low 50's on the A-weighted scale.

With the help of a sound wall, the code limit of 65 dB(A) is expected to be complied with both at the property line as well as at upper story residential receptors. The highest on-site sound levels will occur at the docks, far from residences and are not expected to be an issue. Of note is that although compliance is anticipated, producing sound levels of 65 dB(A) at night could generate noise complaints from noise-sensitive receptors. Because the tenants are currently unknown, we do not recommend restricting site hours at this time. Rather, to help minimize the potential acoustical impact, administrative controls are preferred. For example, the number of night deliveries can be controlled or box trucks can be utilized in lieu of higher sound level line haul trucks. Weeknight operations are preferred over weekend night hours. Nighttime trucks can exit the site to the north, reducing the number of passbys near residences by half. Minimizing the number of high-level incidences will also reduce the acoustical impact of the site. Given the proximity, we recommend trash collections should be limited to daytime hours only.

Actual use of this property is not known at this time but analyses show that anticipated site activity has the ability to comply with local and State noise codes during the day and night. Daytime site sound emissions are expected to be of little concern as receptors are less sensitive during this time and activity is expected to blend in with other uses in the area. Given the proximity of residences to the site, nighttime operations could have an impact on nearby residences.

Given moderately high ambient sound levels forecast by the local code and from OAA's experience with sites close to busy roadways, it is concluded that assumed intermittent and low quantity nighttime truck operations are not anticipated to generate complaints. In addition, the shape and layout of the building will block much of the dock activity sound to the south. The proposed 10-foot tall sound wall helps to keep much of the site sound from crossing the property line. The acoustical impact of the site at residences can be controlled by administrative controls such using the northern driveway to exit, control of the number and types of nighttime operations, and restricting trash collection to the non-sensitive daytime hours.

I trust that the above is helpful. As always, if there are any questions, please let me know.

Regards,

OSTERGAARD ACOUSTICAL ASSOCIATES



Benjamin C. Mueller, P.E., Principal
bmueller@acousticalconsultant.com

BCM:amc