



# AEI Consultants

April 30, 2018 (Revised July 9, 2018)

## **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

### **Property Identification:**

325 Yolanda Avenue & 2532 Santa Rosa Avenue  
Santa Rosa, Sonoma County, California 95407

AEI Project No. 387046

Client Provided Site Name: Yolanda

### **Prepared For:**

Wolff Enterprises II, LLC  
6710 East Camelback Road, Suite 100  
Scottsdale, Arizona 85251

### **Prepared By:**

AEI Consultants  
8885 Rio San Diego Drive, Suite 257  
San Diego, California 92108  
AEI Main Contact: Jen Johns  
(858) 414-5686  
jjohns@aeiconsultants.com

Environmental  
Due Diligence

Building Assessments

Site Investigation  
& Remediation

Energy Performance  
& Benchmarking

Industrial Hygiene

Construction  
Risk Management

Zoning Analysis  
Reports & ALTA  
Surveys

National Presence

Regional Focus

Local Solutions

April 30, 2018 (Revised July 9, 2018)

Wolff Enterprises II, LLC  
6710 East Camelback Road, Suite 100  
Scottsdale, Arizona 85251

**Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT**  
325 Yolanda Avenue & 2532 Santa Rosa Avenue  
Santa Rosa, California 95407  
AEI Project No. 387046  
Client Provided Site Name: Yolanda

Dear Nate Carlson:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment (Phase I ESA)* report of the above referenced property. This assessment was authorized and performed in accordance with the scope of services outlined in AEI's contract, the scope and limitations of ASTM Standard Practice E1527-13, and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we may assist you in any other matter, please contact me at (858) 414-5686 or [jjohns@aeiconsultants.com](mailto:jjohns@aeiconsultants.com).

Sincerely,



Jennifer Johns  
Business Development Manager  
AEI Consultants

## PROJECT SUMMARY

**325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County,  
California 95407  
AEI Project No. 387046**

| Report Section                               | REC | CREC | HREC | OEC | Recommended Action  |
|--|-----|------|------|-----|---|
| 1.0 Introduction                             |     |      |      |     | None  |
| 2.0 Site and Vicinity Description            |     |      |      | ✓   | None  |
| 3.0 Historical Review of Site and Vicinity   |     |      |      | ✓   | Contact planning department to determine if testing is required for former agricultural properties prior to site redevelopment    |
| 4.0 Regulatory Agency Records Review         |     | ✓    |      |     | Implement Soil and Groundwater Management Plan during the planned redevelopment   |
| 5.0 Regulatory Database Records Review       | ✓   | ✓    |      |     | CREC: See above REC: Additional soil vapor testing and/or installation of vapor barrier and mitigating system during construction |
| 6.0 Interviews and User Provided Information |     | ✓    |      |     | See above   |
| 7.0 Site Reconnaissance                      |     |      |      | ✓   | Properly decommission on-site water supply well if not planned for future use   |
| 8.1 Asbestos-Containing Building Materials   |     |      |      | ✓   | Asbestos Survey Prior to Demolition   |
| 8.2 Lead-Based Paint                         |     |      |      | ✓   | LBP Screening Prior to Demolition   |
| 8.3 Radon                                    |     |      |      |     | None  |
| 8.4 Mold/Indoor Air Quality Issues           |     |      |      |     | None  |

# TABLE OF CONTENTS

|   |           |
|---|-----------|
| <b>EXECUTIVE SUMMARY</b> .....  | <b>5</b>  |
| Findings .....  | 7         |
| Conclusions, Opinions, and Recommendations .....                                  | 10        |
| <b>1.0 INTRODUCTION</b> .....   | <b>11</b> |
| 1.1 Scope of Work .....   | 11        |
| 1.2 Additional Services .....   | 11        |
| 1.3 Significant Assumptions .....   | 11        |
| 1.4 Limitations .....   | 12        |
| 1.5 Limiting Conditions/Deviations .....  | 13        |
| 1.6 Data Failure and Data Gaps .....  | 13        |
| 1.7 Reliance .....  | 14        |
| <b>2.0 SITE AND VICINITY DESCRIPTION</b> .....                                    | <b>15</b> |
| 2.1 Site Location and Description .....   | 15        |
| 2.2 On-Site Utilities .....   | 15        |
| 2.3 Site and Vicinity Characteristics .....                                       | 16        |
| 2.4 Physical Setting .....  | 16        |
| <b>3.0 HISTORICAL REVIEW OF SITE AND VICINITY</b> .....                           | <b>18</b> |
| 3.1 Aerial Photographs .....  | 19        |
| 3.2 Sanborn Fire Insurance Maps .....   | 20        |
| 3.3 City Directories .....  | 20        |
| 3.4 Historical Topographic Maps .....   | 21        |
| 3.5 Chain of Title .....  | 21        |
| <b>4.0 REGULATORY AGENCY RECORDS REVIEW</b> .....                                 | <b>22</b> |
| 4.1 Local Environmental Health Department and/or State Environmental Agency ..... | 22        |
| 4.2 Fire Department .....   | 22        |
| 4.3 Building Department .....   | 22        |
| 4.4 Planning Department .....   | 22        |
| 4.5 Assessor's Office .....   | 23        |
| 4.6 Other Agencies Searched .....   | 23        |
| 4.7 Oil and Gas Wells .....   | 28        |
| 4.8 Oil and Gas Pipelines .....   | 28        |
| 4.9 State Environmental Superliens .....  | 28        |
| 4.10 State Property Transfer Laws .....   | 29        |
| <b>5.0 REGULATORY DATABASE RECORDS REVIEW</b> .....                               | <b>30</b> |
| 5.1 Records Summary .....   | 30        |
| 5.2 Vapor Migration .....   | 36        |
| <b>6.0 INTERVIEWS AND USER PROVIDED INFORMATION</b> .....                         | <b>37</b> |
| 6.1 Interviews .....  | 37        |
| 6.2 User Provided Information .....   | 38        |
| 6.3 Previous Reports and Other Provided Documentation .....                       | 39        |
| 6.4 Environmental Lien Search .....   | 46        |
| <b>7.0 SITE RECONNAISSANCE</b> .....  | <b>47</b> |
| 7.1 Subject Property Reconnaissance Findings .....                                | 47        |
| 7.2 Adjacent Property Reconnaissance Findings .....                               | 48        |
| <b>8.0 NON-ASTM SERVICES</b> .....  | <b>50</b> |
| 8.1 Asbestos-Containing Building Materials .....                                  | 50        |

8.2 Lead-Based Paint . . . . . 51  
8.3 Radon . . . . . 52  
8.4 Mold/Indoor Air Quality Issues . . . . . 52  
**9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS . . . . . 54**  
**10.0 REFERENCES . . . . . 55**

## **TABLE OF APPENDICES**

---

APPENDIX A: FIGURES  
APPENDIX B: PROPERTY PHOTOGRAPHS  
APPENDIX C: REGULATORY DATABASE  
APPENDIX D: HISTORICAL SOURCES  
APPENDIX E: REGULATORY AGENCY RECORDS  
APPENDIX F: PREVIOUS REPORTS  
APPENDIX G: OTHER SUPPORTING DOCUMENTATION  
APPENDIX H: QUALIFICATIONS  
APPENDIX I: LIST OF COMMONLY USED ABBREVIATIONS

## EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by Wolff Enterprises II, LLC to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

| <b>PROPERTY INFORMATION</b>                |   |
|--|---|
| <b>Site Addresses</b>                      | 325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California 95407  |
| <b>Property ID (APN or Block/Lot)</b>      | 044-041-010-000 and 044-071-002-000   |
| <b>Location</b>                            | Northern side of Yolanda Avenue and eastern side of Santa Rosa Avenue   |
| <b>Property Type</b>                       | Warehouse<br><br>Planned for Redevelopment with Apartment Complex, per client provided plans  |
| <b>SITE AND BUILDING INFORMATION</b>       |   |
| <b>Approximate Site Acreage/Source</b>     | 10.46/Sonoma County Assessor  |
| <b>Number of Buildings</b>                 | Eight   |
| <b>Building Construction Date(s)</b>       | 1947  |
| <b>Building Square Footage (SF)/Source</b> | 17,360/Sonoma County Assessor   |
| <b>Number of Floors/Stories</b>            | One   |
| <b>Basement or Subgrade Area(s)</b>        | None identified   |
| <b>Number of Units</b>                     | One   |
| <b>Additional Improvements</b>             | Asphalt and gravel-covered areas and landscaped areas   |
| <b>On-site Occupant(s)</b>                 | Owner occupied (Hulsman Transportation Company); and leased to Pinnacle Power and other companies for equipment storage and parking   |
| <b>Current On-site Operations/Use</b>      | General warehouse uses and vehicle parking  |
| <b>Current Use of Hazardous Substances</b> | Yes; refer to Section 7.1   |
| <b>REGULATORY INFORMATION</b>              |   |
| <b>Regulatory Database Listings</b>        | Leaking Underground Storage Tank (LUST), Enforcement (ENF), Historic Cortese, Facility and Manifest (HAZNET), Statewide Environmental Evaluation and Planning System UST (SWEEPS UST), California Facility Inventory Database UST (CA FID UST), RGA LUST, EDR H |

A chronological summary of historical subject property information is as follows:

| <b>Date Range</b> | <b>Subject Property Description and Use (Historical Addresses)</b> | <b>Source(s)</b>  |
|-------------------|--|---|
| Prior to 1942     | Unknown use/Data failure; refer to Section 1.6.1                   | Aerial photographs, city directories, agency records      |
| 1942-1952         | Truck storage, truck repair, residential and agricultural          | Aerial photographs and regulatory agency records          |
| 1968-2010s        | Truck storage and truck repair                                     | Aerial photographs, regulatory agency records, interviews |
| 2010s-Present     | Warehouse  | Aerial photographs, regulatory agency records, interviews |

The former Hulsman truck service/repair and transportation facility's former petroleum USTs were investigated via soil, soil gas, and groundwater testing with remedial efforts including soil excavation and air sparging completed with agency oversight by the the North Bay Regional Water Quality Control Board (RWQCB). RWQCB agency closure was issued in 2017 which required a Soil and Groundwater Management Plan (SGMP) to be implemented for the planned commercial redevelopment, as summarized in the Findings section below and Section 4, 5.1 and 6.3.

The immediately surrounding properties consist of the following:

| <b>Direction from Site</b> | <b>Tenant/Use (Address)</b>  | <b>Regulatory Database Listing(s)</b>  |
|----------------------------|--|--|
| <b>North</b>               | Auto Zone and Mattress Firm (2510 Santa Rosa Avenue), Carriage Court Mobile Home Park (250 Kawana Springs Road) and a paved lot  | None identified  |
| <b>East</b>                | Paved lot, warehouse and Flyers Energy CFN (455/459 Yolanda Avenue)  | HIST UST, CHMIRS, WDS, AST, LUST, Cortese, EMI, ENF, Historic Cortese, NPDES, Notify 65, SWEEPS UST, CA FID UST, EDR Historical Auto Stations, HAZNET, UST |
| <b>South</b>               | Car Tunes (2612 Santa Rosa Avenue) and Yolanda Avenue, followed by:<br><br>7-Eleven gasoline station and convenience store, Batteries Plus Bulbs and Metro PCS (2648 Santa Rosa Avenue), residences (316, 372, 376 and 380 Yolanda Avenue), Magic Motors and West Coast Auto Gallery (358 Yolanda Avenue), Malm Fireplace Center (368 Yolanda Avenue), Galvin Precision Machining (404 Yolanda Avenue) and Flyers (444 Yolanda Avenue) | Cortese, EMI, ENF, EDR Historical Auto Stations, RCRA-SQG, SLIC, FINDS, ECHO, HAZNET, UST, LUST, Historic Cortese  |





| Direction from Site | Tenant/Use (Address)  | Regulatory Database Listing(s)   |
|---------------------|---|--|
| <b>West</b>         | Car Tunes (2612 Santa Rosa Avenue), Quality Motors (2620 Santa Rosa Avenue), McDonalds (2642 Santa Rosa Avenue) and Santa Rosa Avenue, followed by:<br><br>Advanced Auto Detailing (2549 Santa Rosa Avenue) and Chapel of the Chimes (2601 Santa Rosa Avenue) | EDR Historical Auto Stations, LUST, ENF, Historic Cortese, RCRA-SQG, FINDS, ECHO |

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

**FINDINGS**

Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to 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.

- According to client provided site plans, the subject property is planned for redevelopment with an apartment complex development consisting of 11 apartment buildings, one clubhouse building with a swimming pool, and four parking structures across the majority of the site, with an In-N-Out fast food restaurant and parking lot on the northwest portion. In 2016 as part of the case closure activities for the closed LUST case (see CREC bullet below), soil vapor testing at the area of the former on-site gasoline UST was performed along the southwest portion of the subject property (2016 report appended). The soil vapor investigation identified low levels of benzene in on-site soil vapor at concentrations ranging from 35 to 57 ug/m3. The residential screening level for benzene is 48.5 ug/m3, per RWQCB correspondence. Therefore, some soil vapor testing results were above the residential screening level near an area with planned redevelopment with an apartment building. Based on this information together with the provided site plans indicating planned redevelopment for residential purposes, this finding is considered to be a REC to the subject property at this time.

Controlled Recognized Environmental Condition (CREC) is defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Review of the Environmental Data Resources, Inc. (EDR) regulatory database report, State Water Resources Control Board’s (SWRCB) GeoTracker records and client-provided reports indicated that the subject property has been utilized by the Hulsman family as a truck service/repair and transportation facility dating back to at least the early 1940s. The former truck service/repair operations ceased in the 2010s, and the subject property is currently leased to multiple companies for parking trucks and storing equipment. The subject property was formerly equipped with one 500-gallon leaded gasoline

underground storage tank (UST), one 4,000-gallon diesel fuel UST, and one 8,000-gallon diesel fuel UST, which were located on the 325 Yolanda portion of the subject property. The gasoline UST was reportedly removed from the subject property in September 1982, and was approximately 40-50 years old at the time of removal. No soil excavation, soil or groundwater sampling was conducted following the UST removal. The diesel fuel USTs were removed on October 4, 1988. Confirmation soil sampling, groundwater sampling and soil excavation were reportedly conducted following the removal of the diesel fuel USTs, and it did not appear that a significant release to the subsurface had occurred from these USTs. However, subsurface investigations conducted in the early and mid-1990s identified Total Petroleum Hydrocarbon as Gasoline (TPH-g) and the associated petroleum compounds Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) contamination in soil and groundwater, which were attributed to releases from the former gasoline UST that was located adjacent to the south of the Hulsman Transportation building. Additional investigation in the form of soil and groundwater sampling was conducted, and remedial efforts included an Air Operated Sparge System (AOSS) in 2014. The AOSS operated for approximately six months, at which time the system was turned off and additional groundwater sampling was conducted. The sampling results indicated that residual petroleum hydrocarbon levels remained, but at concentrations below the Low Threat Closure Policy (LTCP) criteria established by SWRCB. As such, the LUST case was considered for closure and entered the public comment period. Notes on State Water Quality Control Board GeoTracker website for the subject property release states that groundwater impacts were investigated with the main area of groundwater contamination under Yolanda Avenue. In 2016, an on-site soil vapor investigation for TPH and VOCs and a sensitive receptor survey were completed. The soil vapor investigation identified low levels of benzene in on-site soil vapor at concentrations ranging from 35 to 57 ug/m<sup>3</sup> (the residential screening level for benzene is 48.5 ug/m<sup>3</sup>, per RWQCB correspondence). The down-gradient receptors, i.e. water supply wells, were either properly destroyed or not affected by the release, per SWRCB and report findings information. As required by the local oversight agency, North Bay Regional Water Quality Control Board (RWQCB), a Soil and Groundwater Management Plan (SGMP) dated May 12, 2017 was prepared for the subject property to manage residual impacted subsurface material (appended). The SGMP states that, "The property Owner and/or Developer will be charged with responsibility of implementing this SGMP." Following their review of the data, on June 26, 2017, the RWQCB officially closed the subject property LUST case with notes stating it was closed with soil and groundwater management plan due to the likely redevelopment into commercial properties. The RWQCB closure letter (appended) confirmed the completion of site investigation and corrective action for the former on-site USTs. Other than the SGMP, no further action related to the petroleum release at the site was required, per the closure documents reviewed. Based on the case closed regulatory status with residual concentrations of petroleum hydrocarbons in soil and groundwater allowed to remain in place and managed with the SGMP, this finding is considered to be a CREC.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

- AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the ASTM Standard Practice E1527-13. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

- AEI observed an apparent well and pressure tank to the east of the Hulsman Transportation building. The well did not appear to be in use at the time of the site assessment and is located up-gradient of the known groundwater impacts and was not identified as potentially impacted during the receptor survey completed in 2016. According to RWQCB reviewed information, groundwater collected from the Hulsman on-site domestic well was tested four times between 1989 and 2016. The results indicate that site contaminants have not impacted the well. According to the Soil and Groundwater Management Plan dated May 12, 2017, the well is an active domestic groundwater supply well and was not required to be destroyed during the UST case closure process. The SGMP further states during re-development of the property, if the well will be retained for site use, measures to protect the domestic well should be employed during construction; should the future owner/developer decide to abandon the supply well, it must be completed under permit from the Sonoma County Permit & Resource Management Department. As such, and because wells provide a conduit to the subsurface, if the well is not planned for future use, AEI recommends that the well be properly decommissioned per applicable regulations.
- According to client provided documentation, demolition of the subject property buildings is planned for the near future. Regardless of building construction date, the EPA's NESHAP requires that a thorough asbestos survey be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by federal, state and local regulatory agencies, and specifies that all suspect ACMs be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities which may disturb them to prevent potential exposure to workers, building occupants, and the environment. Similarly, OSHA regulations require that specific work practices be implemented when handling construction materials and debris that contain asbestos and/or lead-containing materials.
- Due to the age of the subject property buildings, there is a potential that LBP is present. AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner conduct a lead based paint screening to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition and worker/occupant protection. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.
- The site was used for truck maintenance and service since the early 1940s. Previous on-site investigations focused on the former on-site UST locations, see Figure 2. As such, there are portions of the subject property that have not been investigated. However, based on available information reviewed during this assessment, no other RECs, except

as identified above, associated with the subject property were identified. A Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. As such, AEI recommends that the in-place Soil Groundwater Management Plan (SGMP) be implemented across the subject property during redevelopment. As stipulated in the SGMP, if USTs or other in-ground features and/or impacted subsurface materials are encountered during planned redevelopment activities, they should be handled in accordance with applicable regulations.

- Based on a review of aerial photographs, the subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. In general, historical agricultural use is not the subject of environmental enforcement actions by regulatory agencies, and therefore, could be considered a de minimis condition. However, AEI understands that the subject property is slated for redevelopment. Consequently, it would be prudent for the owner of the subject property to determine whether sampling relating to the former agricultural use of the subject property is required by the local planning department or other applicable oversight agency prior to the commencement of redevelopment activities.

### **CONCLUSIONS, OPINIONS, AND RECOMMENDATIONS**

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) of 325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the property except for those previously identified in the Findings section. AEI recommends the following:

- Additional soil vapor testing and/or installation of vapor barrier and mitigation system during construction
- Implement Soil and Groundwater Management Plan (SGMP) during the planned redevelopment of the subject property
- Properly decommission the water supply well located adjacent to the shed to the east of the former Hulsman Transportation building per applicable regulations, if not planned for future use
- Asbestos Survey prior to demolition
- LBP Screening prior to demolition
- Contact local planning department to determine whether sampling relating to the former agricultural use of the subject property is required by the local planning department or other applicable oversight agency prior to the commencement of redevelopment activities

## **1.0 INTRODUCTION**

---

This report documents the methods and findings of the Phase I ESA performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California (Appendix A: Figures and Appendix B: Property Photographs).

### **1.1 SCOPE OF WORK**

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with ASTM E1527-13, associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

### **1.2 ADDITIONAL SERVICES**

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by ASTM E1527-13. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

### **1.3 SIGNIFICANT ASSUMPTIONS**

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

## 1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. ASTM Standard Practice E1527-13 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

### **1.5 LIMITING CONDITIONS/DEVIATIONS**

The performance of this Phase I ESA was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this Phase I ESA. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The interior of the concrete block structure could not be accessed during the onsite reconnaissance. However, AEI was able to observe the interior of the majority of the warehouses, sheds and office buildings during the site reconnaissance. Based on the warehouse uses, the limited access is not expected to significantly alter the findings of this assessment.
- On April 14, 2018, Santa Rosa Fire Department (SRFD) was contacted for information on the subject property in order to identify historical tenants, property use and/or hazardous materials handling. Due to the time frame of this assessment, records at the SRFD were not available for review. Records at this agency may contain information regarding USTs, Hazardous Materials Business Plans (HMBPs), inspections and permits. However, based on the quality of information obtained from other sources including RWQCB and provided correspondence which included SRFD correspondence, this limitation is not expected to significantly alter the findings of this assessment.

### **1.6 DATA FAILURE AND DATA GAPS**

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to ASTM E1527-13, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to ASTM E1527-13, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to ASTM E1527-13, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

### 1.6.1 DATA FAILURE

The following data failure was identified during the course of this assessment:

|                                      |   |
|--------------------------------------|---|
| <b>Data Failure</b>                  | The earliest historical resource obtained during this assessment was an aerial photograph from 1942 indicating that the subject property was developed as agricultural land, and contained residences, out buildings and a warehouse. The lack of historical sources dating back to 1940 represents historical data source failure. However, as it is assumed that the subject property would have been previously used for agricultural, residential and warehouse purposes, if not undeveloped, this data failure is not expected to significantly alter the findings of this assessment. |
| <b>Information/Sources Consulted</b> | City directories, aerial photographs, agency records, interviews  |

### 1.6.2 DATA GAPS

AEI did not identify significant data gaps which affected our ability to identify RECs.

### 1.7 RELIANCE

All reports, both verbal and written, are for the benefit of Wolff Enterprises II, LLC. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors, or assigns. Reliance is provided in accordance with AEI's contract and Standard Terms and Conditions executed by Wolff Enterprises II, LLC on April 13, 2018. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.



## 2.0 SITE AND VICINITY DESCRIPTION

### 2.1 SITE LOCATION AND DESCRIPTION

| PROPERTY INFORMATION                       |   |
|--|---|
| <b>Site Addresses</b>                      | 325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California 95407  |
| <b>Property ID (APN or Block/Lot)</b>      | 044-041-010-000 and 044-071-002-000   |
| <b>Location</b>                            | Northern side of Yolanda Avenue and eastern side of Santa Rosa Avenue   |
| <b>Property Type</b>                       | Warehouse<br><br>Planned for Redevelopment with Apartment Complex, per client provided plans  |
| SITE AND BUILDING INFORMATION              |   |
| <b>Approximate Site Acreage/Source</b>     | 10.46/Sonoma County Assessor  |
| <b>Number of Buildings</b>                 | Eight   |
| <b>Building Construction Date(s)</b>       | 1947  |
| <b>Building Square Footage (SF)/Source</b> | 17,360/Sonoma County Assessor   |
| <b>Number of Floors/Stories</b>            | One   |
| <b>Basement or Subgrade Area(s)</b>        | None identified   |
| <b>Number of Units</b>                     | One   |
| <b>Additional Improvements</b>             | Asphalt and gravel-covered areas and landscaped areas   |
| <b>On-site Occupant(s)</b>                 | Owner occupied (Hulsman Transportation Company); and leased to Pinnacle Power and other companies for equipment storage and parking   |
| <b>Current On-site Operations/Use</b>      | General warehouse uses and vehicle parking  |
| <b>Current Use of Hazardous Substances</b> | Yes; refer to Section 7.1   |
| REGULATORY INFORMATION                     |   |
| <b>Regulatory Database Listings</b>        | Leaking Underground Storage Tank (LUST), Enforcement (ENF), Historic Cortese, Facility and Manifest (HAZNET), Statewide Environmental Evaluation and Planning System UST (SWEEPS UST), California Facility Inventory Database UST (CA FID UST), RGA LUST, EDR H |

### 2.2 ON-SITE UTILITIES

| Utility                          | Source/System Information |
|----------------------------------|---------------------------|
| <b>Heating System</b>            | Natural gas               |
| <b>Cooling System</b>            | Electricity               |
| <b>Potable Water</b>             | City of Santa Rosa        |
| <b>Sewage Disposal/Treatment</b> | City of Santa Rosa        |

Utility source/system information listed in the table above is provided by Mr. Paul Hulsman, unless otherwise noted above.

### 2.3 SITE AND VICINITY CHARACTERISTICS

The subject property is located in a residential, commercial and industrial area of Santa Rosa, California. The immediately surrounding properties consist of the following:

| Direction from Site | Tenant/Use (Address)   | Regulatory Database Listing(s)   |
|---------------------|--|--|
| <b>North</b>        | Auto Zone and Mattress Firm (2510 Santa Rosa Avenue), Carriage Court Mobile Home Park (250 Kawana Springs Road) and a paved lot  | None identified  |
| <b>East</b>         | Paved lot, warehouse and Flyers Energy CFN (455/459 Yolanda Avenue)  | HIST UST, CHMIRS, WDS, AST, LUST, Cortese, EMI, ENF, Historic Cortese, NPDES, Notify 65, SWEEPS UST, CA FID UST, EDR Historical Auto Stations, HAZNET, UST |
| <b>South</b>        | Car Tunes (2612 Santa Rosa Avenue) and Yolanda Avenue, followed by:<br><br>7-Eleven gasoline station and convenience store, Batteries Plus Bulbs and Metro PCS (2648 Santa Rosa Avenue), residences (316, 372, 376 and 380 Yolanda Avenue), Magic Motors and West Coast Auto Gallery (358 Yolanda Avenue), Malm Fireplace Center (368 Yolanda Avenue), Galvin Precision Machining (404 Yolanda Avenue) and Flyers (444 Yolanda Avenue) | Cortese, EMI, ENF, EDR Historical Auto Stations, RCRA-SQG, SLIC, FINDS, ECHO, HAZNET, UST, LUST, Historic Cortese  |
| <b>West</b>         | Car Tunes (2612 Santa Rosa Avenue), Quality Motors (2620 Santa Rosa Avenue), McDonalds (2642 Santa Rosa Avenue) and Santa Rosa Avenue, followed by:<br><br>Advanced Auto Detailing (2549 Santa Rosa Avenue) and Chapel of the Chimes (2601 Santa Rosa Avenue)  | EDR Historical Auto Stations, LUST, ENF, Historic Cortese, RCRA-SQG, FINDS, ECHO   |

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

### 2.4 PHYSICAL SETTING

|  |  |
|--|--|
| <b>Geologic Unit: Description/Source</b> | Marine sedimentary and alluvial deposits of the Cenozoic era /USGS and United States Department of the Interior  |
| <b>Soil Series: Description/Source</b>   | Wright loam, wet with zero to two percent slopes - somewhat poorly drained loam, clay and sandy clay loam soil with a depth of 73 inches; parent material is described as alluvium/USDA Soil Survey        |
| <b>Groundwater Flow Direction/Source</b> | Southwest/Environmental Geology Services' December 27, 2016 Report - Low Threat Closure Site Evaluation and Request for Case Closure - Hulsman Transportation (325 Yolanda Avenue, Santa Rosa, California) |

|   |  |
|---|--|
| <b>Estimated Depth to Groundwater/<br/>Source</b>               | 6.68-10.99 feet bgs/Environmental Geology Services' December 27, 2016 Report - Low Threat Closure Site Evaluation and Request for Case Closure - Hulsman Transportation (325 Yolanda Avenue, Santa Rosa, California)<br>Note: There are two shallow groundwater zones have been identified at the site; one seasonal shallow aquifer located at approximately 20 to 25 feet below ground surface (bgs), and a deeper productive water bearing aquifer at approximately 30 to 50 feet bgs. Only the shallow seasonal aquifer was reportedly affected by the LUST at the site (Environmental Review Letter prepared by Ardent, March 23, 2018) |
| <b>Surface waters on the subject property or adjacent sites</b> | None   |

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

### 3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

| <b>Date Range</b> | <b>Subject Property Description and Use (Historical Addresses)</b> | <b>Source(s)</b>  |
|-------------------|--|---|
| Prior to 1942     | Unknown use/Data failure; refer to Section 1.6.1                   | Aerial photographs, city directories, agency records      |
| 1942-1952         | Truck storage, truck repair, residential and agricultural          | Aerial photographs and regulatory agency records          |
| 1968-2010s        | Truck storage and truck repair                                     | Aerial photographs, regulatory agency records, interviews |
| 2010s-Present     | Warehouse  | Aerial photographs, regulatory agency records, interviews |

The former Hulsman truck service/repair and transportation facility's petroleum USTs were investigated via soil, soil gas, and groundwater testing with remedial efforts including soil excavation and air sparging completed with agency oversight by the the North Bay Regional Water Quality Control Board (RWQCB). RWQCB agency closure was issued in 2017 which required a Soil and Groundwater Management Plan (SGMP) to be implemented for the planned commercial redevelopment and is considered a CREC, as summarized in the Findings segment of the Executive Summary and Section 4, 5.1 and 6.3.

The site was used for truck maintenance and service since the early 1940s. Previous on-site investigations focused on the former on-site UST locations. As such, there are portions of the subject property that have not been investigated. However, based on available information reviewed during this assessment, no other RECs, except as identified in the Findings segment of the Executive Summary and Section 5.2, associated with the subject property were identified.

A Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. As such, AEI recommends that the SGMP be implemented across the subject property during redevelopment. As stipulated in the SGMP, if USTs or other in-ground features and/or impacted subsurface materials are encountered during planned redevelopment activities, they should be handled in accordance with applicable regulations.

As the subject property was historically used for agricultural purposes, there is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. In general, historical agricultural use is not the subject of environmental enforcement actions by regulatory agencies, and therefore, could be considered a de minimis condition. However, AEI understands

that the subject property is slated for redevelopment. Consequently, it would be prudent for the owner of the subject property to determine whether sampling relating to the former agricultural use of the subject property is required by the local planning department or other applicable oversight agency prior to the commencement of redevelopment activities.

If available, copies of historical sources are provided in the report appendices.

### 3.1 AERIAL PHOTOGRAPHS

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the Environmental Data Resources, Inc. collection of aerial photographs. Aerial photographs were reviewed for the following years:

| Year(s)    | Subject Property Description   | Adjacent Site Descriptions  |
|------------|--|---|
| 1942       | The subject property appears to be developed with a warehouse, residential-type buildings, out buildings, and contains agricultural land                               | NORTH: Agricultural land, residential-type buildings and out buildings<br>EAST: Agricultural land<br>SOUTH: Agricultural, residential and a road, followed by agricultural land, residential and agricultural-type buildings<br>WEST: Agricultural land, residential-type buildings, out buildings and a road, followed by residential-type buildings, out buildings and agricultural land  |
| 1952       | The subject property appears to be developed with the existing warehouse, out buildings, and developed with residential-type buildings, and contains agricultural land | NORTH: Agricultural land, commercial-type buildings and paved areas<br>EAST: Agricultural land and developed with a small commercial-type building<br>SOUTH: Commercial-type buildings, warehouses and a road, followed by residential-type buildings, out buildings and a commercial-type building<br>WEST: Commercial-type buildings, out buildings and a road, followed by residential-type buildings, out buildings and agricultural land |
| 1968, 1973 | NORTH: Mobile home park and commercial-type buildings  | NORTH: Mobile home park and commercial-type buildings   |
| 1982, 1985 | EAST: Fueling station, warehouse and vacant land   | EAST: Fueling station, warehouse and vacant land  |
| 1993       | The subject property appears to be developed with the existing warehouse, out buildings, and paved areas with parked trucks and equipment                              | NORTH: Mobile home park and commercial-type buildings<br>EAST: Fueling station, warehouse and truck/equipment parking area<br>SOUTH: Commercial-type buildings, warehouses and a road, followed by residential-type buildings, out buildings and commercial-type buildings<br>WEST: Commercial-type buildings, out buildings and a road, followed by the existing funeral home and out buildings  |

| <b>Year(s)</b>   | <b>Subject Property Description</b>   | <b>Adjacent Site Descriptions</b>  |
|------------------|---|--|
| 2005, 2006       | SOUTH: Commercial-type buildings, warehouses and a road, followed by residential-type buildings, out buildings and commercial-type buildings  | NORTH: Mobile home park and commercial-type buildings<br>EAST: Fueling station, warehouse and truck/equipment parking area<br>SOUTH: Commercial-type buildings, warehouses and a road, followed by residential-type buildings, out buildings, gasoline station and commercial-type buildings<br>WEST: Commercial-type buildings, out buildings and a road, followed by the existing funeral home and out buildings |
| 2009, 2010, 2012 | The subject property appears to be developed with the existing warehouse, out buildings, and paved areas with parked trucks and equipment; the north-central and northwestern portion of the subject property appears to be vacant land | NORTH: Mobile home park and commercial-type buildings<br>EAST: Fueling station, warehouse and truck/equipment parking area<br>SOUTH: Commercial-type buildings, warehouses and a road, followed by residential-type buildings, out buildings, gasoline station and commercial-type buildings<br>WEST: Commercial-type buildings, out buildings and a road, followed by the existing funeral home and out buildings |

### 3.2 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the Environmental Data Resources, Inc. collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.

### 3.3 CITY DIRECTORIES

A search of historical city directories was conducted for the subject property utilizing Environmental Data Resources, Inc.. Please refer to the appendices for a complete list of historical subject property tenants identified by Environmental Data Resources, Inc.. Directories were reviewed in approximate five-year increments from 1958 to 2014. The first listing for the subject property appeared in 1976. The following table summarizes the potential tenants of concern based on AEI's review of the historical city directories.

| <b>Year(s)</b> | <b>Address - Occupant Listed</b>   |
|----------------|--|
| 1976           | 325 Yolanda Avenue - Hulsman Transportation Company trucking and Martin Charles  |
| 1981           | 325 Yolanda Avenue - Clapham Construction, Hulsman Transportation Company, Operated Equipment, PIE Pacific Intermountain Express |
| 1987           | 325 Yolanda Avenue - Hulsman Transportation Company trucking, Major Trucking and PIE Nationwide Trucking                         |
| 1990           | 325 Yolanda Avenue - Autokraft, Hulsman Transportation Company trucking, Major Trucking and PIE Nationwide Trucking              |

| <b>Year(s)</b> | <b>Address - Occupant Listed</b>   |
|----------------|--|
| 1994           | 325 Yolanda Avenue - Freight, Hulsman, Major Diesel, Matheson Fast, RBC Construction Company, Transportation Company |
| 2006           | 325 Yolanda Avenue - Hulsman Transportation Company and Matheson Fast Freight  |
| 2010           | 325 Yolanda Avenue - Hulsman Transportation Company and SR Chain Environmental Service                               |
| 2014           | 325 Yolanda Avenue - Hulsman Transportation Company  |

*If listed above, XXXX indicates that the address is valid but there is no occupancy information available.*

Based on a review of city directories, the subject property appears to have been occupied by Hulsman Transportation Company as a truck service facility from at least 1976 to 2014. Please refer to Section 3.0 for additional information.

### **3.4 HISTORICAL TOPOGRAPHIC MAPS**

Based on the quality of information obtained from other sources, historical topographic maps were not reviewed as a part of this assessment.

### **3.5 CHAIN OF TITLE**

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

## 4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

### 4.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

| Agency  | Date Contacted | Method of Contact | Name & Title of Contact | Agency Response                              |
|---|----------------|-------------------|-------------------------|--|
| Sonoma County Environmental Health & Safety (SCEHS) | April 14, 2018 | Website           | Staff                   | Online database searched, no records on file |

### 4.2 FIRE DEPARTMENT

| Agency                            | Date Contacted | Method of Contact | Name & Title of Contact | Agency Response                        |
|-----------------------------------|----------------|-------------------|-------------------------|--|
| Santa Rosa Fire Department (SRFD) | April 14, 2018 | Telephone         | Staff                   | Response pending, refer to Section 1.5 |

### 4.3 BUILDING DEPARTMENT

| Agency                                | Date Contacted | Method of Contact        | Name & Title of Contact | Agency Response                                   |
|---------------------------------------|----------------|--------------------------|-------------------------|---|
| Santa Rosa Building Department (SRBD) | April 14, 2018 | Office visit and Website | Staff                   | Online database searched, records discussed below |

The file contained a permit to replace a service panel for underground service in 1999; an electrical permit (relocation of power pole and conduit in the ground) in 1999; use permit as a Christmas tree lot in 2007; permit to repair and reinforce three existing beams and replace one existing beam in 2016; and a permit to demolish an illegal modular structure in 2016. Evidence indicating current or prior use or storage of hazardous substances was not on file for the subject property with the SRBD.

### 4.4 PLANNING DEPARTMENT

| Agency                                | Date Contacted | Method of Contact | Name & Title of Contact | Agency Response  |
|---------------------------------------|----------------|-------------------|-------------------------|--|
| Santa Rosa Planning Department (SRPD) | April 14, 2018 | Website           | Staff                   | AULs on file for the subject property, discussed in Section 4.6. |



#### 4.5 ASSESSOR'S OFFICE

| Agency                          | Date Contacted | Method of Contact | Name & Title of Contact | Agency Response                         |
|---------------------------------|----------------|-------------------|-------------------------|---|
| Sonoma County Assessor's Office | April 14, 2018 | Website           | N/A                     | Information obtained is discussed below |

#### *Records Summary*

|                                |                                     |
|--------------------------------|-------------------------------------|
| <b>APN</b>                     | 044-041-010-000 and 044-071-002-000 |
| <b>Acreage</b>                 | 10.46 acres                         |
| <b>Construction Date</b>       | 1947                                |
| <b>Building Square Footage</b> | 17,360 square feet                  |
| <b>Current Owner</b>           | Hulsman Transportation              |

#### 4.6 OTHER AGENCIES SEARCHED

| Agency  | Date Contacted | Method of Contact     | Name & Title of Contact | Agency Response                                   |
|---|----------------|-----------------------|-------------------------|---|
| CA State Water Resources Control Board (SWRCB) Geotracker                               | April 14, 2018 | Website               | N/A                     | Online database searched, records discussed below |
| CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS) | April 14, 2018 | Website               | N/A                     | Online database searched, records discussed below |
| CA DTSC Envirostor  | April 14, 2018 | Website               | N/A                     | Online database searched, no records on file      |
| Bay Area Air Quality Management District (BAAQMD)                                       | April 14, 2018 | Website and Telephone | Rochelle Reed           | Response received, no records on file             |

#### *SWRCB GeoTracker Database Summary*

GeoTracker indicated that Hulsman Transportation Company (325 Yolanda Avenue) is a groundwater contamination case involving a release of gasoline that was closed on June 26, 2017. GeoTracker indicated that two former diesel USTs and one former gasoline tank were located at the subject property. All three tanks were removed and overexcavated, and A and B zone groundwater impacts were investigated. The main area of groundwater contamination was under Yolanda Avenue and is commingled with Malm Metal (Gas-spill) plume referred to as Malm Metal (this facility is located to the west-southwest at 2640 Santa Rosa Avenue and received agency case closure on December 11, 2017, see Section 5.1). The downgradient receptors (i.e. water supply wells) were either properly destroyed or not affected by the release. The case was closed with soil and groundwater management plan due to likely redevelopment into commercial properties.

GeoTracker included groundwater monitoring reports, dated 2007 through 2015; multiple soil and groundwater investigations, correspondences, well abandonment reports, site closure request, work plans and corrective action plans. The most recent documentation includes the

LTCP evaluation report, request for no further action, internal RWQCB communications and case closure summary.

**RWQCB, Interoffice Communication, No Further Action Recommendation for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California, January 10, 2017**

RWQCB indicated that the Hulsman site consists of one parcel approximately 5.46 acres in size which is zoned for "general commercial" development. The site is located within a mixed commercial, industrial, and residential land use setting in south-west Santa Rosa. The site has been used as a truck storage and truck repair facility since approximately 1940. The site is generally level and most of the site is unpaved. Hulsman Transportation is an operating transportation company and large trucks are stored on the property. A warehouse is located on the property near Yolanda Avenue and several smaller buildings and sheds are scattered throughout. A domestic water supply well, which is the sole source of water for the property, is located at the eastern property boundary. According to recent discussion with the property owners (Jim and Paul Hulsman), the site is likely to be redeveloped into a commercial development.

RWQCB indicated that this site formerly contained three USTs, two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. Remaining contamination at the site is associated with the former gasoline UST. However, site closure includes evaluation of releases from the three USTs. The 500-gallon gasoline UST was removed in 1982. No soil was removed at the time of tank removal. Reportedly, however, the gas tank area was reopened and over-excavated in 1990 to a depth of 5 feet, tapering down to a depth of 13 feet, resulting in the removal of approximately 175 cubic yards of soil. Soil samples collected at the bottom of the excavation showed that a release of TPH-gasoline and BTEX chemicals had occurred. The tank pit area was backfilled with clean material.

Two diesel USTs, consisting of one 4,000 gallon tank and one 8,000 gallon tank, were removed on October 4, 1988. Initial soil samples showed soil was contaminated with 60 to 3,100 ppm TPH-diesel. Due to the soil contamination, the diesel tank area was over-excavated to a depth of 14 to 16 feet. Soil samples were collected after excavation and tested for TPH-motor oil, TPH-diesel, and BTEX. Results of confirmation soil samples collected after over-excavation were non-detect. However, since a release from the tanks was documented, a groundwater investigation was required. MW-1 and MW-2 were installed in 1988 and 1990, respectively, next to the diesel USTs. The well screen length for MW-1 extended from 24-46.5 ft bgs and MW-2 extended from 25.3 to 45.3 ft bgs. Groundwater from MW-1 and MW-2 was tested in 1989/1990, 1996, and 2001. Although initially, BTEX was reported in the groundwater, subsequent testing of the wells did not show the presence of petroleum hydrocarbons, including BTEX. In addition, the on-site domestic well was tested and no contamination was found.

During investigation of the Malm Metal UST Spill site (2640 Santa Rosa Avenue), a domestic well located at 316 Yolanda Avenue, located across the street from the Hulsman site, was found to be impacted with gasoline. The source of the gasoline was suspected to be the Malm Metal site, but the domestic well was located 150 feet southwest of the Hulsman gasoline UST. In 1992, MW-3 was installed next to the gasoline tank UST. Additional investigation was required after gas and BTEX chemicals were detected in groundwater from MW-3.

Temporary soil borings and additional groundwater monitoring wells were installed at the site between 1998 and 2004. Original shallow monitoring well MW-3 was abandoned and one deeper (MW-3d) and four new shallow monitoring wells (MW-1s through MW-3s, and MW-4) were installed. Further investigation indicated that the Hulsman TPH-gas/BTEX plume extended southwest under Yolanda Avenue. Eventually, groundwater monitoring wells B-15, B-16, B-17 and B-27, located in Yolanda Avenue and originally installed for the Malm Metal UST Spill site, were monitored by the Hulsman site in order to define the downgradient extent of their TPH-gas/BTEX plume.

Gasoline and benzene are the main constituents of concern in groundwater at the site. MTBE is detected infrequently and at low levels. Shallow groundwater monitoring shows that the Malm Metal UST Spill and Hulsman gas/BTEX plumes are co-mingled under Yolanda Avenue. The shallow groundwater gradient at the site is variable, but generally flows "away from a high point (at B-28) in a northeast to southwest direction" (EGS, June 26, 2014). The highest levels of TPH-Gas/BTEX in the Hulsman plume are in shallow groundwater located on the southern border of the site in the UST source area next to Yolanda Avenue. During the most recent monitoring event, in March/April 2015, the highest concentration of TPH-g was 6,300 ppb in MW-3s and the highest concentration of benzene was 540 ppb in B-15.

Since 2012, deeper groundwater from monitoring well MW-3d, screened from 30-35 feet bgs and located in the gasoline UST source area, contains around 200 ppb TPH-gasoline and low levels of BTEX and MTBE. Free product has not been observed in any of the monitoring wells. The Hulsman plume appears to be stable and defined, although its downgradient margin is likely comingled with the Malm UST plume under Yolanda Avenue southwest of the Hulsman site.

As described above, the UST systems were removed and impacted soil was over-excavated in the area of the diesel and gasoline USTs. In 2013, 10 air sparge wells were installed along the southern border of the property to remediate groundwater in the area of the gasoline UST. Eight shallow and two deeper wells were installed to depths of 27 and 40 feet bgs, respectively. Although the system was originally proposed to inject ozone, ozone was never used, based on bench test results. The air sparging system began operating in March 2014 and was turned off during the fall of 2014. Rebound monitoring was conducted in April 2015. Although, concentrations of COCs declined during sparging operation, the April monitoring results indicate levels of petroleum hydrocarbons in groundwater rebounded to concentrations detected prior to treatment.

Several sensitive receptor surveys were conducted for adjacent sites (Malm Fireplaces and Malm Metals UST Spill) and numerous domestic wells were identified in the area. Many of the identified domestic wells have reportedly been destroyed as part of the investigation of the Malm Fireplaces and Malm Metals UST Spill sites. Reportedly, 7 domestic wells were destroyed south and east of the Malm Metal UST Spill site in 2000 and 2005 and 6 domestic wells located on Yolanda Avenue were destroyed as part of the Malm Fireplace investigation. An updated sensitive receptor was completed for the Hulsman site in 2016. EGS' November 25, 2016 SRS reports the existence of three active domestic wells within 500 feet of the Hulsman plume boundary. These include the Hulsman on-site well (325 Yolanda Avenue) and two wells north of the plume located at 2612 and 2620 Santa Rosa Avenue.

Groundwater collected from the Hulsman on-site domestic well has been tested four times

between 1989 and 2016. The results indicate that site contaminants have not impacted the well. The two domestic wells identified on Santa Rosa Avenue are upgradient of the Hulsman plume. Testing of shallow groundwater from intervening groundwater monitoring wells, MW-4 for the Hulsman site and B-25 for the Malm Metal UST site, which are located between the UST source areas and the domestic wells, show non-detect to very low level concentrations of hydrocarbons since groundwater monitoring began in 2004 (MW-4) and 2001 (B-25). Therefore, based on the groundwater monitoring data, the three active wells identified within 500 feet of the Hulsman site do not appear to be vulnerable to migration of the co-mingled Hulsman and Malm Metal groundwater plume under Yolanda Avenue.

EGS reports that residents and businesses in the area, with the exception of the Hulsman property, are served by City of Santa Rosa municipal supply. No surface water bodies or other sensitive receptors (day cares, schools) were identified within 1,000 feet of the site.

**RWQCB indicated that the site meets the general criteria of the LTCP.** The site does not strictly meet groundwater-specific criteria 1 through 4 due to the presence of an onsite domestic water supply well located less than 250 feet from the plume boundary. However, based on groundwater monitoring and the results of EGS' November 2016 SRS, it appears that the Hulsman groundwater plume, which is relatively stable and defined and mainly underlies Yolanda Avenue, does not pose a threat to existing domestic wells. In addition, the plume is expected to decline in size and concentration over time. Therefore, staff has determined that this site meets groundwater specific criteria 5 of the LTCP.

**Petroleum Vapor Intrusion to Indoor Air:** A site specific vapor intrusion investigation was completed at the site in August 2016 and tested soil vapor for TPH and VOCs. The area targeted for investigation was the UST source area and gasoline BTEX plume. Although benzene was detected in soil vapor at levels ranging from 35 to 57 ug/m<sup>3</sup> (the residential screening level for benzene is 48.5 ug/m<sup>3</sup>), the soil gas results meet criteria b., Scenario 4 (1 of 2) and (2 of 2) of the LTCP.

**Direct Contact and Outdoor Air Exposure:** RWQCB staff reviewed the available boring logs for evidence of hydrocarbon impacts at depths to 10 feet. There is evidence of hydrocarbon odor at 15 feet below ground surface (bgs) in MW-3, 16 feet bgs in RW-7, and 12 to 20 feet bgs in RW-6 (all depths were below the water table). Staff also reviewed soil results from 0 to 10 feet bgs in EGS's March 3, 2016 site evaluation for case closure report, Table 5, "Historical Summary of Analytical Results for (Hulsman) Site Soil Samples". Based on our review, staff determined that the site meets the direct contact and outdoor air exposure criteria 3 (a). However, due to the large size of the property, the absence of soil sampling outside of source areas, and the long term use of the property as a trucking storage and repair facility, we recommend that a soil and groundwater management plan be prepared prior to site closure for implementation during site redevelopment.

**Recommendations:** RWQCB staff recommends that this site be closed under the LTCP. Prior to our concurrence with site closure, however, I recommend submittal of a soil and groundwater management plan to be used during redevelopment of the site.

**RWQCB, Proposal for Requiring No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, January 24, 2017**

RWQCB submitted a letter to Mr. James Hulsman, which confirmed that the subject property meets the LTCP criteria for closure. RWQCB indicated that case closure does not necessarily mean all contamination has been remediated, but rather that the agency would not require further work regarding the contamination. RWQCB requested public noticing contact information so a public notice of the planned closure could be submitted.

**RWQCB, Notice of Proposed No Further Action for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California, February 24, 2017**

RWQCB indicated that a soil and groundwater investigation was conducted at the above-referenced site and a release of petroleum hydrocarbons was documented. Although some contamination remains, this site meets the conditions for closure under the State Water Resources Control Board's "Low-Threat Underground Storage Tank Case Closure Policy." Regional Water Board staff proposes that no further work be required. The purpose of this notice is to inform interested parties, including owners of nearby land, that the case is being considered for closure, and to invite public comment on this proposed decision.

RWQCB indicated that the subject property formerly contained three USTs, which included two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. In the 1980s, the USTs and impacted soil surrounding the USTs were removed. Soil and groundwater at and around the site have been investigated. Monitoring shows that residual petroleum contamination in shallow groundwater exists next to and under Yolanda Avenue. Water supply wells identified near the site are not affected by the contamination.

RWQCB indicated that case closure is proposed since the site meets the conditions for closure under LTCP. The comment period reportedly ended on April 25, 2017.

**RWQCB, No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, June 26, 2017**

The letter confirmed the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. The letter states, "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.

According to online GeoTracker case closure information (appended) notes state, "Site closed with soil and groundwater management plan due to the likely redevelopment into commercial properties." A copy of the GeoTracker case closure as well as the case closure letter are appended.

*California DTSC HWTS Database Summary*

| <b>Occupant</b>        | <b>Year(s)</b> | <b>Hazardous Waste Generated</b> | <b>Amount (Tons)</b>  |
|------------------------|----------------|----------------------------------|---|
| Major Diesel           | 1994-2004      | Not listed                       | 0.437 tons of unspecified oil-containing wastes (2000)  |
| Chain Enterprises      | 2003-2012      | Not listed                       | 38.65 tons of waste oil and mixed (2004)  |
| Matheson Freight, Inc. | 2007-2009      | Not listed                       | 1.79 tons oxygenated solvents, waste oil and mixed oil, latex waste and off-specification, aged or surplus organic wastes (2007); 0.14 tons of unspecified organic liquid mixture waste and acidic liquid wastes (2008) |

HWTS did not include any additional details regarding the removal of hazardous wastes from the subject property. However, the above noted listings are likely associated with the removal of hazardous wastes during routine truck maintenance/service activities and/or are associated with prior remedial activities conducted at the subject property.

#### **4.7 OIL AND GAS WELLS**

| <b>Agency</b>   | <b>Date Referenced</b> | <b>Resource</b> | <b>Oil or gas wells located within 500 feet of the subject property</b> |
|---|------------------------|-----------------|---|
| Division of Oil, Gas and Geothermal Resources (DOGGR) | April 14, 2018         | DOGGR Map       | No  |

#### **4.8 OIL AND GAS PIPELINES**

| <b>Agency</b>                           | <b>Date Referenced</b> | <b>Resource</b>        | <b>Pipelines located within 500 feet of the subject property</b> |
|---|------------------------|------------------------|--|
| National Pipeline Mapping System (NPMS) | April 14, 2018         | NPMS Public Map Viewer | No   |

#### **4.9 STATE ENVIRONMENTAL SUPERLIENS**

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

#### **4.10 STATE PROPERTY TRANSFER LAWS**

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

## 5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The number of listed sites identified within the approximate minimum search distance from the federal and state environmental records database listings specified in ASTM Standard E1527-13 is summarized in Section 5.1, along with the total number of Orphan sites. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

### 5.1 RECORDS SUMMARY

| Database                                 | Search Distance (Miles) | Subject Property Listed | Listings Within Search Distance | Listings Determined To Warrant Additional Discussion Below |
|--|-------------------------|-------------------------|---------------------------------|--|
| NPL                                      | 1.0                     | No                      | 0                               | 0  |
| DELISTED NPL                             | 0.5                     | No                      | 0                               | 0  |
| SEMS/CERCLIS                             | 0.5                     | No                      | 0                               | 0  |
| SEMS-ARCHIVE/CERCLIS<br>NFRAP            | 0.5                     | No                      | 0                               | 0  |
| RCRA CORRACTS                            | 1.0                     | No                      | 0                               | 0  |
| RCRA-TSDF                                | 0.5                     | No                      | 0                               | 0  |
| RCRA LQG, SQG, CESQGs,<br>NLR            | SP/ADJ                  | No                      | 3                               | 3  |
| US ENG CONTROLS                          | SP                      | No                      | 0                               | 0  |
| US INST CONTROLS                         | SP                      | No                      | 0                               | 0  |
| ERNS                                     | SP                      | No                      | 0                               | 0  |
| STATE/TRIBAL HWS                         | 1.0                     | No                      | 9                               | 0  |
| STATE/TRIBAL SWLF                        | 0.5                     | No                      | 0                               | 0  |
| STATE/TRIBAL REGISTERED<br>STORAGE TANKS | SP/ADJ                  | No                      | 0                               | 0  |
| STATE/TRIBAL LUST                        | 0.5                     | Yes                     | 40                              | 4  |
| STATE/TRIBAL EC and IC                   | SP                      | No                      | 0                               | 0  |
| STATE/TRIBAL VCP                         | 0.5                     | No                      | 0                               | 0  |
| STATE/TRIBAL BROWNFIELD                  | 0.5                     | No                      | 0                               | 0  |
| ORPHAN                                   | N/A                     | No                      | 6                               | 0  |



| Database                                | Search Distance (Miles) | Subject Property Listed | Listings Within Search Distance | Listings Determined To Warrant Additional Discussion Below |
|---|-------------------------|-------------------------|---------------------------------|--|
| ADDITIONAL ENVIRONMENTAL RECORD SOURCES | SP/ADJ                  | Yes                     | Multiple                        | Multiple   |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Hulsman Transportation Company, Chain Enterprises, Major Diesel, Matheson Fast Freight   |
| <b>Address</b>                  | 325 Yolanda Avenue   |
| <b>Distance &amp; Direction</b> | Subject Property   |
| <b>Hydrologic Position</b>      | N/A  |
| <b>Databases Listed</b>         | Leaking Underground Storage Tank (LUST), Enforcement (ENF), Historic Cortese, Facility and Manifest (HAZNET), Statewide Environmental Evaluation and Planning System UST (SWEEPS UST), California Facility Inventory Database UST (CA FID UST), RGA LUST, EDR H  |
| <b>Comments</b>                 | The LUST, RGA LUST and Historic Cortese databases indicated that the groundwater contamination case involving a release of gasoline was closed by RWQCB on June 26, 2017. The closed groundwater contamination case is discussed in Sections 4.6, 6.3 and the Executive Summary. The ENF listing pertains to a requirement for a report of completion associated with the former UST(s). The HAZNET listings pertain to the removal and offsite disposal of unspecified organic liquid mixture wastes, acidic liquid mixture wastes, waste oil and mixed oil, oxygenated solvents, off-specification, aged or surplus organic wastes, alkaline solution waste, solvent mixture waste and unspecified oil-containing wastes under manifest. These listings are likely associated with the former truck servicing operations and/or are associated with prior remedial activity conducted at the subject property. The UST listings indicated that the subject property contained one 4,000-gallon diesel fuel UST, one 8,000-gallon UST and one 500-gallon waste oil UST. It is important to note that the 500-gallon UST was actually used for storage of leaded gasoline. Regulatory agency records and client-provided documentation confirmed the removal of these three USTs. The groundwater contamination case and UST removal activities are discussed in detail in Sections 4.6, 6.3 and the Executive Summary. The EDR Historical Auto Stations database indicated that Major Diesel occupied the subject property from at least 1987 to 2008, and Autokraft occupied the subject property in 1990. There is no pertinent information in the FINDS database. The former operation of three USTs, former truck service operation, and residual soil and groundwater contamination at the subject property are considered a CREC. |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Malm Metal Products                                |
| <b>Address</b>                  | 2640 Santa Rosa Avenue                             |
| <b>Distance &amp; Direction</b> | Adjacent to the west                               |
| <b>Hydrologic Position</b>      | Cross-gradient                                     |
| <b>Databases Listed</b>         | RCRA-SQG, LUST, FINDS, ECHO, ENF, Historic Cortese |

|                 |   |
|-----------------|---|
| <b>Comments</b> | <p>The RCRA-SQG and FINDS databases indicated that this site is a registered small quantity hazardous waste generator with no reported violations. According to agency information reviewed for the subject property, the subject property plume is commingled with this plume. Nonetheless, according to the LUST and Historic Cortese databases and/or information provided by the client, the this groundwater contamination case was associated with a release of gasoline at this off-site location and was closed by RWQCB on December 11, 2017.</p> <p>Based on the fact that these releases have been reviewed by the RWQCB and have both recently received agency case closure status, these listings are not considered to be a significant environmental concern to the subject property at this time.</p> |
|-----------------|---|

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Santa Rosa Plant, Redwood Oil Company  |
| <b>Address</b>                  | 455 Yolanda Avenue   |
| <b>Distance &amp; Direction</b> | Adjacent to the east   |
| <b>Hydrologic Position</b>      | Cross-gradient   |
| <b>Databases Listed</b>         | HIST UST, CHMIRS, WDS, AST, LUST, Cortese, EMI, ENF, Historic Cortese, NPDES, Notify 65, SWEEPS UST, CA FID UST, EDR Historical Auto Stations, HAZNET, UST   |
| <b>Comments</b>                 | <p>The UST databases indicated that this site contained multiple gasoline, diesel fuel and waste oil USTs. The CHMIRS listing pertains to a damaged 55-gallon drum that leaked 4-5 gallons of motor oil on December 2, 1997, and a minor diesel fuel spill incident that occurred on October 2, 1998. The WDS and NPDES listings indicated that this site is an active and permitted facility with storm water discharges. The facility is categorized as having a minor threat to water quality. The AST database indicated that Redwood Oil Company stored 60,000-gallons of unspecified substances in one or more ASTs. The EMI listing pertains to permitted air emissions with BAAQMD. The LUST, Cortese, ENF and Historic Cortese databases indicated that the groundwater contamination case associated with a release of gasoline is open and undergoing remediation as of June 11, 2009. The most recent groundwater monitoring report for this site (RDM Environmental, February 28, 2018) indicated that groundwater flow direction is to the south-southeast, which is parallel to the subject property. Groundwater plume maps depict the area of contamination near the fueling station to the east of the warehouse building. The area of contamination reportedly extends south beneath Yolanda Avenue. The groundwater monitoring wells on the western side of the Redwood Oil site were not sampled during the most recent sampling events. However, historic sampling of these wells indicated non-detectable concentrations of petroleum hydrocarbon constituents, which indicates that the plume has not migrated west towards the subject property. The EDR Historical Auto Stations database indicated that this site has been occupied by Gantner (1973-1979), Redwood Oil Company (1980-2004) and Redwood Coast Petroleum (2005-2006). Based on groundwater flow direction and results of the most recent groundwater sampling events, this site is not expected to represent a significant environmental concern to the subject property at this time.</p> |

|                      |                    |
|----------------------|--------------------|
| <b>Facility Name</b> | Flyers Energy      |
| <b>Address</b>       | 459 Yolanda Avenue |

|                                 |   |
|---------------------------------|---|
| <b>Distance &amp; Direction</b> | Adjacent to the east  |
| <b>Hydrologic Position</b>      | Cross-gradient  |
| <b>Databases Listed</b>         | LUST, HAZNET, Historic Cortese, NPDES and Notify 65   |
| <b>Comments</b>                 | The LUST listing does not contain any pertinent information, and is likely associated with the 455 Yolanda Avenue address as discussed above. Refer to the discussion in the table above for a detailed discussion of this adjacent property. |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Fireform Porcelain, Bill's Auto Parts  |
| <b>Address</b>                  | 368 Yolanda Avenue   |
| <b>Distance &amp; Direction</b> | Adjacent to the south (across the street)  |
| <b>Hydrologic Position</b>      | Down-gradient  |
| <b>Databases Listed</b>         | RCRA-SQG, SLIC, FINDS, ECHO, HAZNET, EDR Historical Auto Stations  |
| <b>Comments</b>                 | The RCRA-SQG and FINDS databases indicated that this site is a registered small quantity hazardous waste generator with no reported violations. There is no pertinent information in the ECHO database. The HAZNET listings pertain to the removal and offsite disposal of hazardous materials/wastes under manifest. The EDR Historical Auto Stations database indicated that Bill's Auto Parts occupied this site in 1987, 1994 and 1995. The SLIC database indicated that this is an open groundwater contamination case involving a release of PCE, TCE, vinyl chloride and other chlorinated hydrocarbons that has impacted groundwater at the site. GeoTracker indicated that a metal fireplace fabrication factory operated at 368 Yolanda Avenue from 1963 to 1992, and at 326 Yolanda Avenue from 1972 to the present. A solvent dipping tank was used in the fireplace production process. In March 1999, the industrial solvent TCE was detected in a domestic water supply well adjacent to the east. The highest concentrations of TCE have been found in a well located in the building formerly occupied by Malm Fireplaces at 368 Yolanda Avenue. High vapor concentrations of TCE have been found in soil gas at the 326 Yolanda Avenue property. The most recent groundwater monitoring report for this site (Edd Clark & Associates, September 5, 2017) indicated that groundwater flow direction was observed to the southwest, south and southeast, which is away from the subject property. The plume maps identified the area of known contamination to the area south of Yolanda Avenue. However, the northern extent of the plume has not been delineated. Considering the southern, southeastern and southwestern groundwater flow direction, it appears unlikely that contamination from this site has migrated beneath the subject property. Furthermore, soil gas testing at the subject property in 2016, which included testing for VOCs, specifically TCE, did not detect this compound at the subject property in areas tested on the southern portion of the subject property which is closest to this off-site location. Therefore, based on this information together with the groundwater flow direction and results of the most recent groundwater monitoring reports, this site is not considered to be a significant environmental concern to the subject property at this time. |

|                      |   |
|----------------------|---|
| <b>Facility Name</b> | Michael's Auto, Exxon, Signal Oil Company, Enco, K&W Auto Service |
| <b>Address</b>       | 2642 Santa Rosa Avenue  |

|                                 |  |
|---------------------------------|--|
| <b>Distance &amp; Direction</b> | Adjacent to the west   |
| <b>Hydrologic Position</b>      | Cross-gradient   |
| <b>Databases Listed</b>         | LUST, ENF, Historic Cortese  |
| <b>Comments</b>                 | The LUST and Historic Cortese databases indicated that the groundwater contamination case associated with a release of gasoline was closed on September 18, 1998. The ENF listing is associated with Cleanup & Abatement orders for the former USTs. Considering the southern, southeastern and southwestern groundwater flow direction, it appears unlikely that contamination from this site has migrated beneath the subject property. The EDR Historical Auto Stations database indicated that multiple automotive service and gasoline service station tenants occupied this site from at least 1958 to 1983. Based on groundwater flow direction, LUST case closure and redevelopment of this site with the existing McDonalds restaurant, this site is not expected to represent a significant environmental concern. |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Private Residence  |
| <b>Address</b>                  | Private Residence  |
| <b>Distance &amp; Direction</b> | Not verified - plotted by EDR to the east-soputheast   |
| <b>Hydrologic Position</b>      | Cross-gradient or down-gradient  |
| <b>Databases Listed</b>         | LUST   |
| <b>Comments</b>                 | There is no address associated with this private residence. The LUST case associated with a release of gasoline that impacted groundwater was closed on August 3, 2001. Based on groundwater flow direction and LUST case closure, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | 7-Eleven   |
| <b>Address</b>                  | 2648 Santa Rosa Avenue   |
| <b>Distance &amp; Direction</b> | Adjacent to the south  |
| <b>Hydrologic Position</b>      | Down-gradient  |
| <b>Databases Listed</b>         | UST  |
| <b>Comments</b>                 | There is no pertinent information in the UST database. However, a listing in this database indicates that one or more USTs are currently registered to the active gasoline filling station at this site. There are no listings pertaining to any spills or releases of hazardous substances at this site. Based on groundwater flow direction and regulatory status, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Facility Name</b>            | Multiple tenant listings        |
| <b>Address</b>                  | 2612 and 2626 Santa Rosa Avenue |
| <b>Distance &amp; Direction</b> | Adjacent to the west            |

|                            |   |
|----------------------------|---|
| <b>Hydrologic Position</b> | Cross-gradient  |
| <b>Databases Listed</b>    | EDR Historical Auto Stations  |
| <b>Comments</b>            | The EDR Historical Auto Stations database indicated that this adjacent property has been occupied by automotive service tenants from at least 1976 to 2014. There are no listings pertaining to any spills or releases of hazardous substances at this site. Based on groundwater flow direction and regulatory status, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |

|                                 |   |
|---------------------------------|---|
| <b>Facility Name</b>            | Don's Driveshaft, R&S Radiator and Automotive, Autokraft, Kelly Winkelbauer   |
| <b>Address</b>                  | 400 Yolanda Avenue  |
| <b>Distance &amp; Direction</b> | Adjacent to the south   |
| <b>Hydrologic Position</b>      | Down-gradient   |
| <b>Databases Listed</b>         | EDR Historical Auto Stations  |
| <b>Comments</b>                 | The EDR Historical Auto Stations database indicated that this adjacent property has been occupied by automotive service tenants from at least 1987 to 2013. There are no listings pertaining to any spills or releases of hazardous substances at this site. Based on groundwater flow direction and regulatory status, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |

|                                 |  |
|---------------------------------|--|
| <b>Facility Name</b>            | Bob's Machinery Repair and Van's Machinery   |
| <b>Address</b>                  | 412 Yolanda Avenue   |
| <b>Distance &amp; Direction</b> | Adjacent to the south  |
| <b>Hydrologic Position</b>      | Down-gradient  |
| <b>Databases Listed</b>         | EDR Historical Auto Stations   |
| <b>Comments</b>                 | The EDR Historical Auto Stations database indicated that this adjacent property has been occupied by automotive service and/or equipment service/maintenance tenants from at least 1988 to 1999. There are no listings pertaining to any spills or releases of hazardous substances at this site. Based on groundwater flow direction and regulatory status, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |

|                                 |                              |
|---------------------------------|------------------------------|
| <b>Facility Name</b>            | Pacific Bell                 |
| <b>Address</b>                  | 459 Yolanda Avenue           |
| <b>Distance &amp; Direction</b> | Adjacent to the east         |
| <b>Hydrologic Position</b>      | Cross-gradient               |
| <b>Databases Listed</b>         | RCRA Non-Gen, FINDS and ECHO |

|                 |  |
|-----------------|--|
| <b>Comments</b> | The RCRA Non-Gen and FINDS databases indicated that this site is a registered non-generator of hazardous wastes with no reported violations. There is no pertinent information in the ECHO database. There are no listings pertaining to any spills or releases of hazardous substances at this site. Based on groundwater flow direction and regulatory status, the review of regulatory agency files for this site was not deemed necessary, and this site is not expected to represent a significant environmental concern. |
|-----------------|--|

## 5.2 VAPOR MIGRATION

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

A soil gas survey for TPH and VOCs was completed in the area around the former gasoline UST on the southwest portion of the subject in 2016 during the UST closure process; a copy of this report is appended. The results indicated benzene was detected in soil vapor at levels ranging from 35 to 57 ug/m<sup>3</sup> (the residential screening level for benzene is 48.5 ug/m<sup>3</sup>, per RWQCB documentation). Based on these results and the apparent planned redevelopment for residential use with an apartment complex with a proposed apartment building depicted near these detections, this finding is considered to be a REC to the subject property at this time. Refer to the Findings segment of the Executive Summary and Section 4.6 for further discussion.

## 6.0 INTERVIEWS AND USER PROVIDED INFORMATION

### 6.1 INTERVIEWS

Pursuant to ASTM E1527-13, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

#### 6.1.1 OWNER AND KEY SITE MANAGER

| Relation to Property                      | Name             | Date Interviewed | Method of Contact | Year First Associated w/ Property | Notes  |
|---|------------------|------------------|-------------------|-----------------------------------|--|
| Owner Representative and Key Site Manager | Mr. Paul Hulsman | March 24, 2018   | Telephone         | Not provided                      | Interviewed; see Interview Summary table below |

#### *Interview Summary*

| Question   | Owner (Representative) Response/ Comment | Key Site Manager Response/ Comment |
|--|--|------------------------------------|
| Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?  | Yes                                      | Yes                                |
| Do you have any knowledge of previous environmental investigations conducted on site?  | Yes                                      | Yes                                |
| Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?                      | Yes                                      | Yes                                |
| Are you aware of any known plans for site redevelopment or change in site use?   | Yes                                      | Yes                                |
| Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?  | No                                       | No                                 |
| Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?                               | No                                       | No                                 |
| Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? | No                                       | No                                 |
| Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?  | No                                       | No                                 |

| Question  | Owner (Representative) Response/<br>Comment  | Key Site<br>Manager<br>Response/<br>Comment |
|-----------|--|---|
| Comments: | See Section 6.3 for provided documents; the property is planned for commercial redevelopment and a site plan showing an apartment complex was provided | See text box to the left.                   |

### 6.1.2 PAST OWNERS, OPERATORS, AND OCCUPANTS

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.

### 6.1.3 INTERVIEW WITH OTHERS

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this section.

## 6.2 USER PROVIDED INFORMATION

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

| Question   | Response/<br>Comment     |
|--|--------------------------|
| <p><b>1. Environmental liens that are filed or recorded against the property (40 CFR 312.25)</b></p> <p>Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?</p>   | Information not provided |
| <p><b>2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi).</b></p> <p>Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?</p> | Information not provided |



| Question   | Response/<br>Comment     |
|--|--------------------------|
| <p><b>3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).</b></p> <p>Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?</p>  | Information not provided |
| <p><b>4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).</b></p> <p>Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?</p>  | Information not provided |
| <p><b>5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).</b></p> <p>Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:</p> <p>(a) Do you know the past uses of the property?<br/> (b) Do you know of specific chemicals that are present or once were present at the property?<br/> (c) Do you know of spills or other chemical releases that have taken place at the property?<br/> (d) Do you know of any environmental cleanups that have taken place at the property?</p> | Information not provided |
| <p><b>6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).</b></p> <p>Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?</p>  | Information not provided |

### 6.3 PREVIOUS REPORTS AND OTHER PROVIDED DOCUMENTATION

Documentation was provided to AEI by the client during this assessment. A summary of this information follows:

#### **Site Plan and Concept Design Package**

A site plan and Concept Design Package document was provided that depicts an In-N-Out fast food restaurant on the northwest portion with remaining areas depicted as an apartment complex development consisting of 11 apartment buildings, one clubhouse building with a swimming pool, and four parking structures.

#### **Environmental Geology Services, Report: Low-Threat Closure Site Evaluation and Request for Case Closure, Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, December 27, 2016**

Environmental Geology Services (EGS) prepared the report for Hulsman Transportation, and was prepared in response to directives from the North Coast Regional Water Quality Control Board

(RWQCB) for the 325 Yolanda Avenue property, and in accordance with RWQCB's October 5, 2015 and May 13, 2016 letters. The report included a revised Low-Threat Closure Policy (LTCP) Site Evaluation and an update to the site specific Site Conceptual Model (SCM). The goal of the submitted documentation was to achieve case closure for the subject property in accordance with RWQCB's LTCP.

EGS indicated that the subject property has been owned by the Hulsman family since the 1940s, and was used as a Hulsman Transportation facility for trucking and transportation of goods since the 1940s. At the time of EGS' assessment, the subject property contained a loading dock, storage and parking areas. Hulsman reportedly discontinued the trucking business, and had leased a portion of the subject property for construction company storage of equipment, and staging areas of development and infrastructure improvement projects in Santa Rosa.

EGS referenced several prior investigations at the subject property, including UST removal, groundwater monitoring, remedial investigations, corrective action plans, well destruction reports and a soil vapor investigation and sensitive receptor survey. EGS indicated that the current UST investigation is associated with residual soil and groundwater contamination related to a former 500-gallon UST that contained leaded gasoline. The former UST was removed from the subject property in September 1982, and the UST was approximately 40-50 years old at the time of removal. No soil was excavated at the time of UST removal, and no follow-up soil or groundwater sampling was reportedly conducted. On October 4, 1988, one 4,000-gallon diesel fuel UST and one 8,000-gallon diesel UST were removed from the subject property. Confirmation soil sidewall samples were collected, which initially indicated residual diesel fuel contamination. Soil was subsequently excavated, and additional confirmation sidewall samples were collected. These samples reportedly contained no detections of residual diesel fuel. On November 29, 1988, a monitoring well was installed to a depth of 46.5 feet below ground surface (bgs). A soil sample collected from the monitoring well boring at a depth of 15 feet bgs did not contain any detectable levels of the compounds analyzed. In addition, groundwater sampling between December 7, 1988 and October 25, 1989 did not identify any detectable concentrations of Total Petroleum Hydrocarbons (TPH) as diesel (TPH-d), TPH as motor oil (TPH-mo), or Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). An additional well was installed in April 1990 near the former diesel fuel USTs, and soil and groundwater samples did not identify any detectable levels of TPH as gasoline (TPH-g) or BTEX. Soil excavation and removal was subsequently completed in December 1991, and additional soil sampling was conducted, which identified TPHg and BTEX in a bottom soil sample.

EGS indicated that subsequent groundwater investigations were conducted in 1992, which identified elevated concentrations of TPH-g and BTEX in the area east of the former gasoline UST. In 1998, a soil and groundwater investigation was implemented by Edd Clark & Associates, which identified elevated concentrations of TPH-g and BTEX in the area of the former gasoline UST. Additional groundwater investigations were conducted between 2001 and 2004, and a Corrective Action Plan (CAP) was prepared in 2008. EGS was subsequently retained by Hulsman to continue the UST investigation in 2011, and completed groundwater monitoring and implementation of the CAP using an Air Operated Sparge System (AOSS). EGS also further characterized the site, and completed a Soil Vapor Investigation and Sensitive Receptor Survey in November 2016.

EGS included a detailed discussion of the remedial actions completed at the subject property,

which began in 2013. EGS installed ten (10) sparge wells, which included two deeper sparge wells in the second groundwater aquifer, and eight wells in the shallow aquifer. The AOSS was tested and operated for approximately six months. RWQCB approved EGS turning off the AOSS to conduct groundwater sampling to determine if concentrations of residual petroleum hydrocarbons would rebound. EGS indicated that residual petroleum hydrocarbon concentrations did rebound, but remained well below the LTCP criteria. As such, EGS recommended that RWQCB consider the case for closure per LTCP criteria.

**RWQCB, Interoffice Communication, No Further Action Recommendation for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California, January 10, 2017**

RWQCB indicated that the Hulsman site consists of one parcel approximately 5.46 acres in size which is zoned for "general commercial" development. The site is located within a mixed commercial, industrial, and residential land use setting in south-west Santa Rosa. The site has been used as a truck storage and truck repair facility since approximately 1940. The site is generally level and most of the site is unpaved. Hulsman Transportation is an operating transportation company and large trucks are stored on the property. A warehouse is located on the property near Yolanda Avenue and several smaller buildings and sheds are scattered throughout. A domestic water supply well, which is the sole source of water for the property, is located at the eastern property boundary. According to recent discussion with the property owners (Jim and Paul Hulsman), the site is likely to be redeveloped into a commercial development.

RWQCB indicated that this site formerly contained three USTs, two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. Remaining contamination at the site is associated with the former gasoline UST. However, site closure includes evaluation of releases from the three USTs. The 500-gallon gasoline UST was removed in 1982. No soil was removed at the time of tank removal. Reportedly, however, the gas tank area was reopened and over-excavated in 1990 to a depth of 5 feet, tapering down to a depth of 13 feet, resulting in the removal of approximately 175 cubic yards of soil. Soil samples collected at the bottom of the excavation showed that a release of TPH-gasoline and BTEX chemicals had occurred. The tank pit area was backfilled with clean material.

Two diesel USTs, consisting of one 4,000 gallon tank and one 8,000 gallon tank, were removed on October 4, 1988. Initial soil samples showed soil was contaminated with 60 to 3,100 ppm TPH-diesel. Due to the soil contamination, the diesel tank area was over-excavated to a depth of 14 to 16 feet. Soil samples were collected after excavation and tested for TPH-motor oil, TPH-diesel, and BTEX. Results of confirmation soil samples collected after over-excavation were non-detect. However, since a release from the tanks was documented, a groundwater investigation was required. MW-1 and MW-2 were installed in 1988 and 1990, respectively, next to the diesel USTs. The well screen length for MW-1 extended from 24-46.5 ft bgs and MW-2 extended from 25.3 to 45.3 ft bgs. Groundwater from MW-1 and MW-2 was tested in 1989/1990, 1996, and 2001. Although initially, BTEX was reported in the groundwater, subsequent testing of the wells did not show the presence of petroleum hydrocarbons, including BTEX. In addition, the on-site domestic well was tested and no contamination was found.

During investigation of the Malm Metal UST Spill site (2640 Santa Rosa Avenue), a domestic well located at 316 Yolanda Avenue, located across the street from the Hulsman site, was found to be impacted with gasoline. The source of the gasoline was suspected to be the Malm Metal site, but the domestic well was located 150 feet southwest of the Hulsman gasoline UST. In 1992, MW-3 was installed next to the gasoline tank UST. Additional investigation was required after gas and BTEX chemicals were detected in groundwater from MW-3.

Temporary soil borings and additional groundwater monitoring wells were installed at the site between 1998 and 2004. Original shallow monitoring well MW-3 was abandoned and one deeper (MW-3d) and four new shallow monitoring wells (MW-1s through MW-3s, and MW-4) were installed. Further investigation indicated that the Hulsman TPH-gas/BTEX plume extended southwest under Yolanda Avenue. Eventually, groundwater monitoring wells B-15, B-16, B-17 and B-27, located in Yolanda Avenue and originally installed for the Malm Metal UST Spill site, were monitored by the Hulsman site in order to define the downgradient extent of their TPH-gas/BTEX plume.

Gasoline and benzene are the main constituents of concern in groundwater at the site. MTBE is detected infrequently and at low levels. Shallow groundwater monitoring shows that the Malm Metal UST Spill and Hulsman gas/BTEX plumes are co-mingled under Yolanda Avenue. The shallow groundwater gradient at the site is variable, but generally flows "away from a high point (at B-28) in a northeast to southwest direction" (EGS, June 26, 2014). The highest levels of TPH-Gas/BTEX in the Hulsman plume are in shallow groundwater located on the southern border of the site in the UST source area next to Yolanda Avenue. During the most recent monitoring event, in March/April 2015, the highest concentration of TPH-g was 6,300 ppb in MW-3s and the highest concentration of benzene was 540 ppb in B-15.

Since 2012, deeper groundwater from monitoring well MW-3d, screened from 30-35 feet bgs and located in the gasoline UST source area, contains around 200 ppb TPH-gasoline and low levels of BTEX and MTBE. Free product has not been observed in any of the monitoring wells. The Hulsman plume appears to be stable and defined, although its downgradient margin is likely comingled with the Malm UST plume under Yolanda Avenue southwest of the Hulsman site.

As described above, the UST systems were removed and impacted soil was over-excavated in the area of the diesel and gasoline USTs. In 2013, 10 air sparge wells were installed along the southern border of the property to remediate groundwater in the area of the gasoline UST. Eight shallow and two deeper wells were installed to depths of 27 and 40 feet bgs, respectively. Although the system was originally proposed to inject ozone, ozone was never used, based on bench test results. The air sparging system began operating in March 2014 and was turned off during the fall of 2014. Rebound monitoring was conducted in April 2015. Although, concentrations of COCs declined during sparging operation, the April monitoring results indicate levels of petroleum hydrocarbons in groundwater rebounded to concentrations detected prior to treatment.

Several sensitive receptor surveys were conducted for adjacent sites (Malm Fireplaces and Malm Metals UST Spill) and numerous domestic wells were identified in the area. Many of the identified domestic wells have reportedly been destroyed as part of the investigation of the Malm Fireplaces and Malm Metals UST Spill sites. Reportedly, 7 domestic wells were destroyed south and east of the Malm Metal UST Spill site in 2000 and 2005 and 6 domestic wells located on Yolanda Avenue

were destroyed as part of the Malm Fireplace investigation. An updated sensitive receptor was completed for the Hulsman site in 2016. EGS' November 25, 2016 SRS reports the existence of three active domestic wells within 500 feet of the Hulsman plume boundary. These include the Hulsman on-site well (325 Yolanda Avenue) and two wells north of the plume located at 2612 and 2620 Santa Rosa Avenue.

Groundwater collected from the Hulsman on-site domestic well has been tested four times between 1989 and 2016. The results indicate that site contaminants have not impacted the well. The two domestic wells identified on Santa Rosa Avenue are upgradient of the Hulsman plume. Testing of shallow groundwater from intervening groundwater monitoring wells, MW-4 for the Hulsman site and B-25 for the Malm Metal UST site, which are located between the UST source areas and the domestic wells, show non-detect to very low level concentrations of hydrocarbons since groundwater monitoring began in 2004 (MW-4) and 2001 (B-25). Therefore, based on the groundwater monitoring data, the three active wells identified within 500 feet of the Hulsman site do not appear to be vulnerable to migration of the co-mingled Hulsman and Malm Metal groundwater plume under Yolanda Avenue.

EGS reports that residents and businesses in the area, with the exception of the Hulsman property, are served by City of Santa Rosa municipal supply. No surface water bodies or other sensitive receptors (day cares, schools) were identified within 1,000 feet of the site.

**RWQCB indicated that the site meets the general criteria of the LTCP.** The site does not strictly meet groundwater-specific criteria 1 through 4 due to the presence of an onsite domestic water supply well located less than 250 feet from the plume boundary. However, based on groundwater monitoring and the results of EGS' November 2016 SRS, it appears that the Hulsman groundwater plume, which is relatively stable and defined and mainly underlies Yolanda Avenue, does not pose a threat to existing domestic wells. In addition, the plume is expected to decline in size and concentration over time. Therefore, staff has determined that this site meets groundwater specific criteria 5 of the LTCP.

**Petroleum Vapor Intrusion to Indoor Air:** A site specific vapor intrusion investigation was completed at the site in August 2016. The area targeted for investigation was the UST source area and gasoline BTEX plume. Although benzene was detected in soil vapor at levels ranging from 35 to 57 ug/m<sup>3</sup> (the residential screening level for benzene is 48.5 ug/m<sup>3</sup>), the soil gas results meet criteria b., Scenario 4 (1 of 2) and (2 of 2) of the LTCP.

**Direct Contact and Outdoor Air Exposure:** RWQCB staff reviewed the available boring logs for evidence of hydrocarbon impacts at depths to 10 feet. There is evidence of hydrocarbon odor at 15 feet below ground surface (bgs) in MW-3, 16 feet bgs in RW-7, and 12 to 20 feet bgs in RW-6 (all depths were below the water table). Staff also reviewed soil results from 0 to 10 feet bgs in EGS's March 3, 2016 site evaluation for case closure report, Table 5, "Historical Summary of Analytical Results for (Hulsman) Site Soil Samples". Based on our review, staff determined that the site meets the direct contact and outdoor air exposure criteria 3 (a). However, due to the large size of the property, the absence of soil sampling outside of source areas, and the long term use of the property as a trucking storage and repair facility, we recommend that a soil and groundwater management plan be prepared prior to site closure for implementation during site redevelopment.

Recommendations: RWQCB staff recommends that this site be closed under the LTCP. Prior to our concurrence with site closure, however, I recommend submittal of a soil and groundwater management plan to be used during redevelopment of the site.

**RWQCB, Proposal for Requiring No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, January 24, 2017**

RWQCB submitted a letter to Mr. James Hulsman, which confirmed that the subject property meets the LTCP criteria for closure. RWQCB indicated that case closure does not necessarily mean all contamination has been remediated, but rather that the agency would not require further work regarding the contamination. RWQCB requested public noticing contact information so a public notice of the planned closure could be submitted.

**RWQCB, Notice of Proposed No Further Action for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California, February 24, 2017**

RWQCB indicated that a soil and groundwater investigation was conducted at the above-referenced site and a release of petroleum hydrocarbons was documented. Although some contamination remains, this site meets the conditions for closure under the State Water Resources Control Board's "Low-Threat Underground Storage Tank Case Closure Policy." Regional Water Board staff proposes that no further work be required. The purpose of this notice is to inform interested parties, including owners of nearby land, that the case is being considered for closure, and to invite public comment on this proposed decision.

RWQCB indicated that the subject property formerly contained three USTs, which included two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. In the 1980s, the USTs and impacted soil surrounding the USTs were removed. Soil and groundwater at and around the site have been investigated. Monitoring shows that residual petroleum contamination in shallow groundwater exists next to and under Yolanda Avenue. Water supply wells identified near the site are not affected by the contamination.

RWQCB indicated that case closure is proposed since the site meets the conditions for closure under LTCP. The comment period reportedly ended on April 25, 2017.

**RWQCB, No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, June 26, 2017**

The letter confirmed the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. The letter stated the following, "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."

**Ardent Environmental Group, Environmental Review for Former Hulsman Transportation Property, 325 Yolanda Avenue, Santa Rosa, California, March 23, 2018**

Ardent Environmental Group, Inc. (Ardent) prepared the Environmental Review for Wolff Enterprises II, LLC. Ardent indicated that it was their understanding that Wolff Enterprises II, LLC was considering the acquisition of the subject property. Ardent's letter presented a summary of the current environmental condition of the site and surrounding properties, potential environmental concerns at the site and Ardent's interpretation of potential risk and liabilities associated with acquisition and ownership of the site.

Ardent included a detailed discussion of the environmental history of the subject property, which was documented in multiple previous reports as discussed above. Ardent identified three offsite properties of potential environmental concern (Redwood Oil – 455 Yolanda Avenue, Malm Fireplaces – 368 Yolanda Avenue and Malm Metals – 2640 Santa Rosa Avenue).

- The Redwood Oil LUST case was open, and soil and groundwater had been impacted by gasoline, diesel and MTBE. The facility was undergoing remediation under RWQCB oversight. Ardent reviewed a December 19, 2017 groundwater monitoring report for this site, which indicated that the impacted soil and groundwater plumes had been well defined and did not encroach onto the subject property. Ardent concluded that based on the results of the groundwater investigation and cross-gradient location, the Redwood Oil facility would not likely present an environmental concern to the subject property.
- The Malm Fireplaces site had a dripping solvent tank that was used as a part of fireplace manufacturing processes. In 1999, it was determined that shallow groundwater and soil vapor had been impacted with the volatile organic compound (VOC) trichloroethylene (TCE). Ardent revised the April 22, 2016 Groundwater Monitoring Report for this site, which indicated that the northern-most extent of the TCE plume in shallow groundwater had not been defined and may extend beneath Yolanda Avenue. However, Ardent indicated that groundwater flow direction was to the south-southwest, and it was unlikely that the plume will migrate and intermingle with the remaining gasoline and BTEX plume at the subject property. Ardent concluded that based on the down-gradient position, this facility would not likely represent an environmental concern at the subject property.
- The Malm Metals site was identified as a closed LUST case, and the facility previously utilized a 1,000-gallon gasoline UST that was reportedly leaking and had impacted groundwater. The UST was removed in 1982, and soil and groundwater sampling and remediation were subsequently conducted. Approximately 9,000 cubic yards of impacted soil were also removed from this site. The site was granted case closure by RWQCB on

December 11, 2017. Based on closure and down-gradient position, Ardent concluded that this facility would not likely represent an environmental concern to the subject property.

Ardent included three recommendations:

- Prior to and during any redevelopment activities at the subject property, the Soil and Groundwater Management Plan (SGMP) for the subject property should be implemented.
- If redevelopment activities extend into or disturb impacted soil and/or groundwater, there may be costs associated with the testing, handling and disposal of any impacted material encountered.
- Prior to acquisition of the site, a Phase I Environmental Site Assessment should be performed and a screening level soil vapor investigation should be completed to assess areas of the site not included in previous investigations.

#### **6.4 ENVIRONMENTAL LIEN SEARCH**

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.



## 7.0 SITE RECONNAISSANCE

|  |   |
|--|---|
| <b>Site Reconnaissance Date</b>                        | April 24, 2018  |
| <b>AEI Site Assessor(s)</b>                            | Christopher Olsen   |
| <b>Property Escort(s)/ Relationship(s) to Property</b> | None  |
| <b>Units/Areas Observed</b>                            | Interior and exterior areas of all structures except for the concrete block structure                     |
| <b>Area(s) not accessed and reason(s)</b>              | Interior of the concrete block structure<br>Refer to Section 1.5 for discussion of limiting condition(s). |
| <b>Other Physical Constraints</b>                      | None  |

### *Reconnaissance Findings Summary*

| <b>Feature</b>  | <b>Observed on Subject Property (see Section 7.1)</b> | <b>Observed on Adjacent Property (see Section 7.2)</b> |
|---|---|--|
| Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use | ✓   | ✓  |
| Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)      |   | ✓  |
| Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use        |   |  |
| Unidentified Substance Containers   |   |  |
| Electrical or Mechanical Equipment Likely to Contain Fluids                                     |   | ✓  |
| Interior Stains or Corrosion  |   |  |
| Strong, Pungent, or Noxious Odors   |   |  |
| Pools of Liquid   |   |  |
| Drains, Sumps, and Clarifiers   | ✓   |  |
| Pits, Ponds, and Lagoons  |   |  |
| Stained Soil or Pavement  |   |  |
| Stressed Vegetation   |   |  |
| Solid Waste Disposal or Evidence of Fill Materials  |   |  |
| Waste Water Discharges  |   |  |
| Wells   | ✓   |  |
| Septic Systems  |   |  |
| Biomedical Wastes   |   |  |
| Other   |   |  |

### 7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

**7.1.1 REGULATED HAZARDOUS SUBSTANCES/WASTES AND/OR PETROLEUM PRODUCTS IN CONNECTION WITH PROPERTY USE**

| <b>Substance/Waste (size/quantity)</b>                  | <b>Location</b> | <b>Operations Associated with Material</b> | <b>Disposal Method/Frequency</b> | <b>Secondary Containment</b> | <b>Staining/Spills</b> |
|---|-----------------|--|----------------------------------|------------------------------|------------------------|
| Janitorial/maintenance supplies/retail-sized containers | Warehouses      | Facility maintenance                       | N/A                              | No                           | None observed          |
| Motor oil/5-gallon buckets                              | Warehouse       | Unknown                                    | Unknown                          | No                           | None observed          |

No evidence of any surface staining or spillage of hazardous substances was observed at the subject property.

**7.1.2 DRAINS, SUMPS, AND CLARIFIERS**

AEI observed one sump pump adjacent to vacant office on the western side of the subject property. The sump pump appeared to have been used to discharge accumulated storm water from the area adjacent to the building to an area south of the building. Based on the apparent use of the sump pump solely for removal of storm water, the presence of the sump pump is not expected to represent a significant environmental concern.

**7.1.3 WELLS**

AEI observed an apparent well and pressure tank to the east of the Hulsman Transportation building. The well did not appear to be in use at the time of the site assessment and is located up-gradient of the known groundwater impacts and was not identified as potentially impacted during the receptor survey completed in 2016. According to RWQCB reviewed information, groundwater collected from the Hulsman on-site domestic well was tested four times between 1989 and 2016. The results indicate that site contaminants have not impacted the well. According to the Soil and Groundwater Management Plan dated May 12 ,2017, the well is an active domestic groundwater supply well and was not required to be destroyed during the UST case closure process. The SGMP further states during re-development of the property, if the well will be retained for site use, measures to protect the domestic well should be employed during construction; should the future owner/developer decide to abandon the supply well, it must be completed under permit from the Sonoma County Permit & Resource Management Department. As such, and because wells provide a conduit to the subsurface, if the well is not planned for future use, AEI recommends that the well be properly decommission per applicable regulations.

**7.2 ADJACENT PROPERTY RECONNAISSANCE FINDINGS**

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

**7.2.1 REGULATED HAZARDOUS SUBSTANCES/WASTES AND/OR PETROLEUM PRODUCTS IN CONNECTION WITH PROPERTY USE**

The adjacent sites to the east, south and west were observed to be occupied by gasoline filling

stations and auto repair facilities. Based on the nature of use, hazardous substances are likely utilized/stored on the site. These adjacent sites were identified in the regulatory database and are further discussed in Section 5.1.

### **7.2.2 ABOVEGROUND/UNDERGROUND HAZARDOUS SUBSTANCE OR PETROLEUM PRODUCT STORAGE TANKS (ASTs/USTs)**

The adjacent sites to the south and east were observed to be occupied by gas stations. Based on the nature of use, USTs as well as other hazardous substances are likely utilized on the site. These sites were identified in the regulatory database and is further discussed in Section 5.1.

### **7.2.3 ELECTRICAL OR MECHANICAL EQUIPMENT LIKELY TO CONTAIN FLUIDS**

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing". Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

#### *Transformers*

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Multiple pad-mounted transformers were observed on the adjacent sites during the site reconnaissance. No spills, staining, or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

## 8.0 NON-ASTM SERVICES

---

### 8.1 ASBESTOS-CONTAINING BUILDING MATERIALS

Asbestos is the name for a group of naturally occurring silicate minerals that can be separated into fibers. The fibers are strong, durable, and resistant to heat and fire. They are also long, thin and flexible, so they can even be woven into cloth. Because of these qualities, asbestos has been used in thousands of consumer, industrial, maritime, automotive, scientific and building products. During the 20th century, some 30 million tons of asbestos have been used in industrial sites, homes, schools, shipyards and commercial buildings in the United States. Commercial use of ACM began in the early 1900's and peaked in the period between 1940 and into the 1970's. Common ACMs include pipe-covering, insulating cement, insulating block, refractory and boiler insulation materials, transite board, fireproofing spray, joint compound, vinyl floor tile, ceiling tile, mastics, roofing products, and duct insulation for HVAC applications. Inhalation of asbestos fibers can result in deleterious health effects.

The potential for ACM was evaluated based the USEPA Guidance Document: Managing Asbestos in Place - A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (the Green Book). In 1973 the NESHAPS banned the use of most spray-applied surfacing ACM, specifically asbestos containing spray-on fireproofing and insulation. Subsequent revisions to this regulation in 1975 and 1978 effectively eliminated the use of friable pre-molded pipe, boiler, turbine, and duct insulation; and the spray application of friable asbestos-containing materials for all uses in buildings. In 1989 the EPA issued regulations to ban some asbestos-containing products and phase out most others over a multi-year period. The "Ban and Phase-Down" rule was challenged in court and the regulation remanded to the agency. As a result, any asbestos-containing products then "in commerce" would not be banned. Those not in commerce would be banned. Those materials "banned" could not be sold. It did not affect such materials already installed, or in use. Most US firms voluntarily ceased production of asbestos containing building materials not covered by the aforementioned Federal bans by the mid-1980's. In 1994, the OSHA determined that employers and building owners are required to treat installed thermal system installation and sprayed on and troweled-on surfacing materials, as well as vinyl or asphalt flooring material, as ACM in buildings constructed no later than 1980 until tested by laboratory analysis to prove otherwise.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Due to the age of the subject property buildings, there is a potential that ACMs are present. A limited list of typical suspect ACMs is included in the following table:

| <b>Material Type</b>   | <b>Location</b>  |
|--|--|
| Plaster (acoustical and smooth)  | Walls and ceilings   |
| Ceiling tile   | Ceiling systems  |
| Thermal systems insulations, packings, and gaskets                                     | Heating systems, cooling systems, domestic and heating and cooling piping, ductwork, and other equipment |
| Floor tile and associate mastics, flooring felts, and papers (under hardwood/other)    | Floors   |
| Vinyl sheet flooring and adhesives   | Floors   |
| Cove base and associated mastics   | Walls  |
| Ceramic tile adhesives and grouts  | Walls, floors, and ceilings  |
| All adhesives  | Mirrors, wall coverings, construction, etc.  |
| Grout and caulking   | Windows and doors  |
| Gypsum board, tape, and joint compound   | Wall and ceiling systems   |
| Insulation materials   | Walls, ceilings, and attic spaces  |
| Roofing materials (felts, rolled, shingle, flashings, adhesives, tar, and insulations) | Roof and parapet wall systems  |
| Brick and block, mortars   | Walls  |

According to client provided documentation, demolition of the subject property buildings is planned for the near future. Regardless of building construction date, the EPA's NESHAP requires that a thorough asbestos survey be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by federal, state and local regulatory agencies, and specifies that all suspect ACMs be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities which may disturb them to prevent potential exposure to workers, building occupants, and the environment. Similarly, OSHA regulations require that specific work practices be implemented when handling construction materials and debris that contain asbestos and/or lead-containing materials.

## **8.2 LEAD-BASED PAINT**

LBP is defined as any paint, varnish, stain, or other applied coating that has  $\geq 1$  mg/cm<sup>2</sup> (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm<sup>2</sup> to 2.0 mg/cm<sup>2</sup>. Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X", defines a LBP hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard", although the paint should be maintained and its condition monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, or federally owned or subsidized housing is affected by this rule.

Under OSHA, LCP is defined as any paint with any detectable amount of lead present in it. Therefore, all LBP is considered LCP. Conversely, LCP may not meet the criteria to be considered LBP in accordance with HUD guidelines or some states' definition of LBP.

It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching, and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.

The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state, or local regulations in regards to LBP.

In buildings constructed after 1978, it is unlikely that LBP is present; however, some paints utilized after 1978 will be LCP under OSHA. Structures built prior to 1978 and especially prior to the 1960s should be expected to contain LBP.

Due to the age of the subject property buildings, there is a potential that LBP is present. AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner conduct a lead based paint screening to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition and worker/occupant protection. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

### **8.3 RADON**

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The United States EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three radon zones, with Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 3, which has a predicted average indoor screening level less than 2 pCi/L, below the action level of 4 pCi/L set forth by the US EPA.

### **8.4 MOLD/INDOOR AIR QUALITY ISSUES**

Molds are simple microscopic organisms which can often be seen in the form of discoloration, frequently green, gray, white, brown, or black. When excessive moisture or water accumulates indoors, mold growth may occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials, including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting, often play host to such growth.

Mold spores primarily cause health problems through the inhalation of spores or the toxins they emit when they are present in large numbers. This can occur when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.

This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Potential areas of mold growth, such as in pipe chases, HVAC systems, and behind enclosed walls and ceilings, were not observed as part of this limited assessment.

AEI observed interior areas of the subject property buildings to identify the potential presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to suspect mold appears to be warranted at this time.

## 9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

---

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Christopher Olsen  
Associate Consultant

Reviewed By:



Margo Mackey, REPA, M.S.  
Senior Author



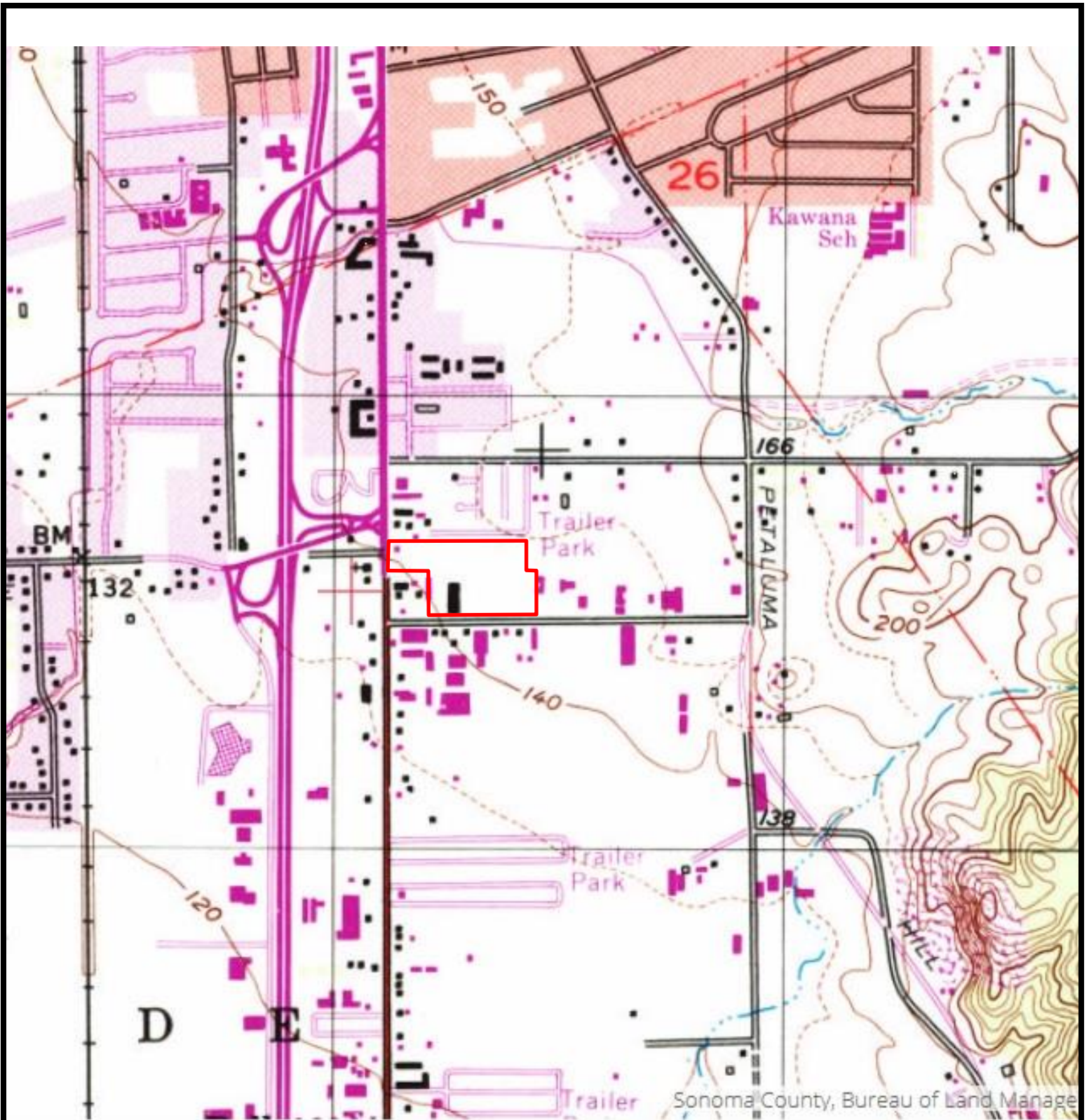
## 10.0 REFERENCES

| Item   | Date(s)  | Source  |
|--|--|---|
| Soils Information  | Accessed April 2018  | USDA Web Soil Survey<br><a href="http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx">http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx</a>   |
| Topographic Map  | 1994   | USGS, Santa Rosa  |
| Depth to Groundwater Information                               | December 27, 2016  | Environmental Geology Services'<br>December 27, 2016 Report - Low<br>Threat Closure Site Evaluation and<br>Request for Case Closure - Hulsman<br>Transportation (325 Yolanda<br>Avenue, Santa Rosa, California) |
| Aerial Photographs   | 1942, 1952, 1968, 1973,<br>1982, 1985, 1993, 2005,<br>2006, 2009, 2010, 2012 | Environmental Data Resources, Inc.  |
| Sanborn Map Report/Search                                      | No Coverage Letter (April 16,<br>2018)                                       | Environmental Data Resources, Inc.  |
| City Directories   | April 17, 2018   | Environmental Data Resources, Inc.  |
| Environmental Health Department/<br>State Environmental Agency | April 14, 2018   | Sonoma County Environmental<br>Health & Safety  |
| Fire Department  | April 14, 2018   | Santa Rosa Fire Department  |
| Building Department  | April 14, 2018   | Santa Rosa Building Department  |
| Planning Department  | April 14, 2018   | Santa Rosa Planning Department  |
| Assessor's Information and Parcel<br>Map                       | April 14, 2018   | Sonoma County Assessor's Office   |
| Other Agencies Searched  | April 14, 2018   | SWRCB Geotracker, DTSC HWTS,<br>and DTSC Envirostor, BAAQMD<br>databases  |
| Oil and Gas Wells  | April 14, 2018   | Division of Oil, Gas and Geothermal<br>Resources  |
| Oil and Gas Pipelines  | April 14, 2018   | NPMS Public Map Viewer<br><a href="https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf">https://www.npms.phmsa.dot.gov/<br/>PublicViewer/composite.jsf</a>  |
| State Environmental Superliens                                 | April 14, 2018   | NETR Online Environmental Lien and<br>AUL State Statutes website<br><a href="http://environmental.netronline.com/lienStatutes.aspx">http://environmental.netronline.com/<br/>lienStatutes.aspx</a>              |
| Property Transfer Laws   | April 14, 2018   |   |
| Regulatory Database Report                                     | April 16, 2018   | EDR   |
| Interview with Owner   | April 24, 2018   | Mr. Paul Hulsman  |
| Previous Report  | December 27, 2016  | Environmental Geology Services,<br>Report: Low-Threat Closure Site<br>Evaluation and Request for Case<br>Closure, Hulsman Transportation,<br>325 Yolanda Avenue, Santa Rosa,<br>California                      |

| <b>Item</b>            | <b>Date(s)</b>    | <b>Source</b>   |
|------------------------|-------------------|---|
| Previous Report        | January 10, 2017  | RWQCB, Interoffice Communication, No Further Action Recommendation for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California |
| Previous Report        | January 24, 2017  | RWQCB, Proposal for Requiring No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California                            |
| Previous Report        | February 24, 2017 | RWQCB, Notice of Proposed No Further Action for Hulsman Transportation Company, 325 Yolanda Avenue, Santa Rosa, California                        |
| Previous Report        | June 26, 2017     | RWQCB, No Further Action for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California   |
| Previous Report        | March 23, 2018    | Arden Environmental Group, Environmental Review for Former Hulsman Transportation Property, 325 Yolanda Avenue, Santa Rosa, California            |
| Radon Zone Information | 1993              | US EPA Map of Radon Zones<br><a href="https://www.epa.gov/radon">https://www.epa.gov/radon</a>  |

# **APPENDIX A**

## **FIGURES**



Legend

Approximate Property Boundary —

Source: USGS Topographic Map *Santa Rosa, CA* (1994)

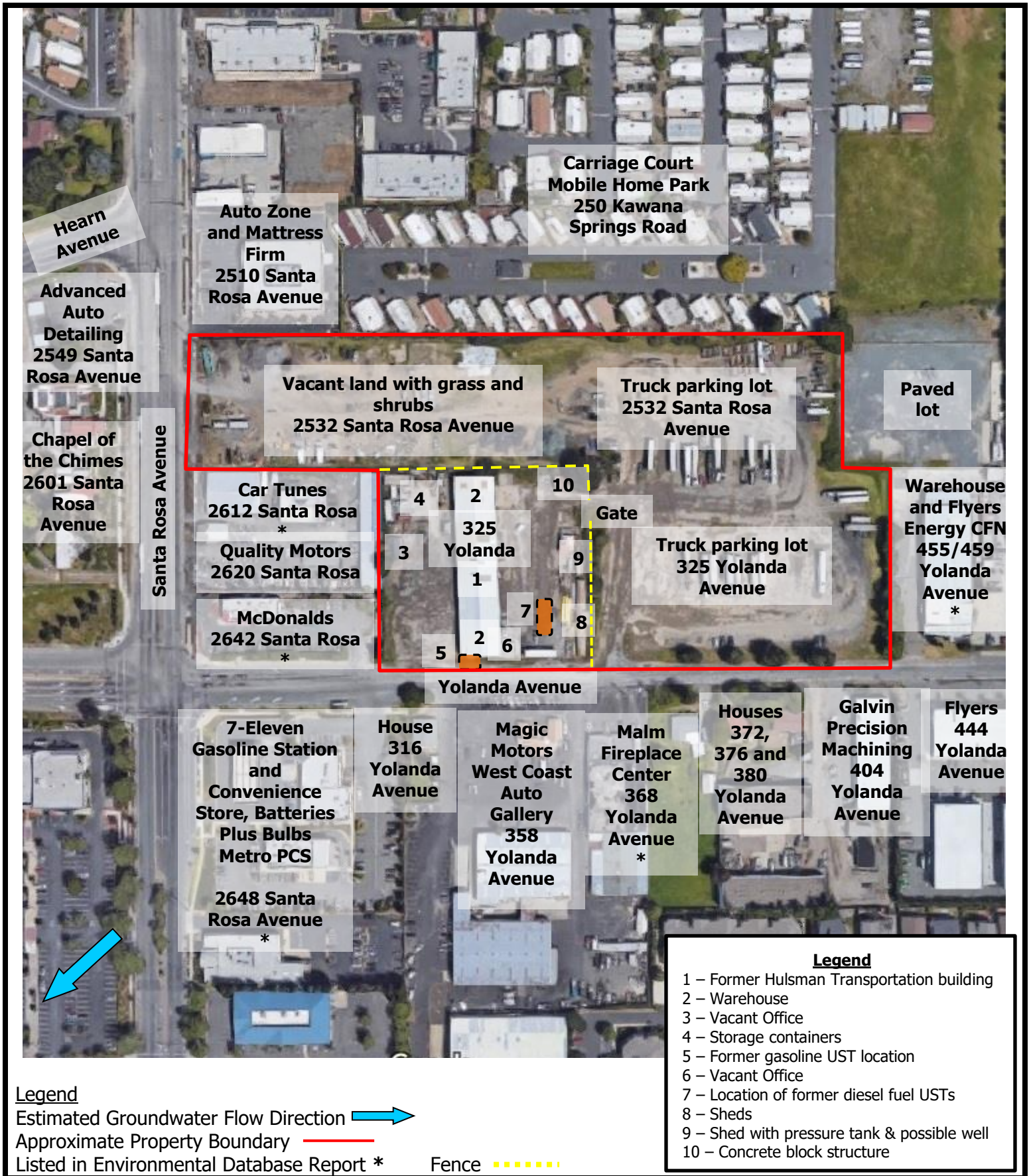


## Figure 1: TOPOGRAPHIC MAP

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



## Figure 2: SITE MAP

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407  
 Project Number: 387046



# **APPENDIX B**

## **PROPERTY PHOTOGRAPHS**



1. Vacant land on the northern portion of the subject property



2. Vacant land (2532 Santa Rosa Avenue)



3. Paved truck parking lot on the northeastern portion of the subject property



4. Paved truck parking lot on the eastern side of the subject property





5. Truck parking lot on the eastern side of the subject property



6. Gate on the central portion of the 325 Yolanda property



7. View south of the 325 Yolanda property



8. Concrete block building adjacent to the northwest of the gate

10. Former Hulsman Transportation building



9. Former Hulsman Transportation building





11. Former Hulsman Transportation building



12. Former Hulsman Transportation building



13. Office



14. Sump pump adjacent to the office



15. Gravel-covered yard



16. Former Hulsman Transportation building



17. Former Hulsman Transportation building



18. Roll-off dumpsters



19. Approximate location of the former gasoline UST



20. Approximate location of the former diesel fuel USTs





21. Office



22. Shed



23. Shed



24. Shed



25. Shed



26. Interior of the former Hulsman Transportation building



27. Interior of the former Hulsman Transportation building



28. Interior of the former Hulsman Transportation building



29. Interior of the former Hulsman Transportation building



30. Interior of the former Hulsman Transportation building



31. Interior of the former Hulsman Transportation building



32. Interior of the former Hulsman Transportation building



33. Interior of the former Hulsman Transportation building



34. Interior of the former Hulsman Transportation building



35. Interior of the former Hulsman Transportation building



36. Former Hulsman Transportation building





37. Office interior



38. Office



39. Office



40. Office



41. Apparent pressure tank in the shed



42. Apparent pressure tank in the shed



43. Shed interior



44. Shed interior



45. Carriage Court Mobile Home Park adjacent to the north



46. Warehouse (455 Yolanda Avenue) adjacent to the east



47. Paved lot adjacent to the east



48. Flyers (444 Yolanda Avenue) adjacent to the south



49. Galvin Precision Machining (404 Yolanda Avenue) adjacent to the south



50. Malm Fireplace Center (368 Yolanda Avenue) adjacent to the south



51. Magic Motors and West Coast Auto Gallery (358 Yolanda Avenue) adjacent to the south



52. Residences adjacent to the south





53. Residence adjacent to the south



54. 7-Eleven Gasoline Station, Convenience Store and Retail units (2648 Santa Rosa)  
adjacent to the south



55. McDonalds (2642 Santa Rosa Avenue) adjacent to the west



56. Quality Motors (2620 Santa Rosa Avenue) adjacent to the west



57. Car Tunes (2612 Santa Rosa Avenue) adjacent to the west and south



58. Chapel of the Chimes (2601 Santa Rosa Avenue) adjacent to the west



59. Auto Zone and Mattress Firm (2510 Santa Rosa Avenue) adjacent to the north

# **APPENDIX C**

## **REGULATORY DATABASE**

**387046**

325 Yolanda Avenue and 2532 Santa Rosa Avenue  
Santa Rosa, CA 95404

Inquiry Number: 5260394.2s  
April 16, 2018

## The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# TABLE OF CONTENTS

| <u>SECTION</u>   | <u>PAGE</u> |
|--|-------------|
| Executive Summary .....                                  | ES1         |
| Overview Map .....                                       | 2           |
| Detail Map .....   | 3           |
| Map Findings Summary .....                               | 4           |
| Map Findings .....                                       | 8           |
| Orphan Summary .....                                     | 399         |
| Government Records Searched/Data Currency Tracking ..... | GR-1        |

## GEOCHECK ADDENDUM

GeoCheck - Not Requested

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **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 OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS 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 STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels 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 providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

325 YOLANDA AVENUE AND 2532 SANTA ROSA AVENUE  
SANTA ROSA, CA 95404

#### COORDINATES

Latitude (North): 38.4141740 - 38° 24' 51.02"  
Longitude (West): 122.7113490 - 122° 42' 40.85"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 525200.2  
UTM Y (Meters): 4251603.0  
Elevation: 147 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5602166 SANTA ROSA, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140608  
Source: USDA



MAPPED SITES SUMMARY

Target Property Address:  
325 YOLANDA AVENUE AND 2532 SANTA ROSA AVENUE  
SANTA ROSA, CA 95404

Click on Map ID to see full detail.

| MAP ID | SITE NAME            | ADDRESS              | DATABASE ACRONYMS                                | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|----------------------|----------------------|--|--------------------|----------------------------|
| A1     | HULSMAN TRANSPORTATI | 325 YOLANDA AVENUE   | LUST, ENF, HIST CORTESE                          |                    | TP                         |
| A2     | MATHESON FREIGHT INC | 325 YOLANDA AVE      | HAZNET   |                    | TP                         |
| A3     | HULSMAN TRANS        | 325 YOLANDA AVE      | SWEEPS UST, CA FID UST                           |                    | TP                         |
| A4     | HULSMAN TRANSPORTATI | 325 YOLANDA AVENUE   | RGA LUST   |                    | TP                         |
| A5     | AUTOKRAFT            | 325 YOLANDA AVE      | EDR Hist Auto                                    |                    | TP                         |
| A6     | HULSMAN TRANSPORTATI | 325 YOLANDA          | FINDS  |                    | TP                         |
| A7     | CHAIN ENTERPRISES    | 325 YOLANDA AVE      | HAZNET   |                    | TP                         |
| A8     | MAJOR DIESEL         | 325 YOLANDA AVE      | HAZNET   |                    | TP                         |
| A9     | MATHESON FASTFRIEGHT | 3250 YOLANDA AVE     | HAZNET   |                    | TP                         |
| A10    | HULSMAN TRANS        | 325 YOLANDA AVE      | HIST UST   |                    | TP                         |
| B11    | MALM FIREPLACES      | 326 & 368 YOLANDA AV | Cortese, EMI, ENF                                | Lower              | 34, 0.006, SSW             |
| C12    | NORTH BAY HONDA SLS  | 2612 SANTA ROSA AVE  | EDR Hist Auto                                    | Lower              | 61, 0.012, West            |
| D13    | H DONS DRIVESHAFT    | 400 YOLANDA AVE      | EDR Hist Auto                                    | Higher             | 72, 0.014, SE              |
| D14    | BOBS V W MACHINERY R | 412 YOLANDA AVE      | EDR Hist Auto                                    | Higher             | 73, 0.014, SE              |
| B15    | B BILLS AUTO PARTS   | 368 YOLANDA AVE      | EDR Hist Auto                                    | Lower              | 83, 0.016, South           |
| B16    | FIREFORM PORCELAIN I | 368 YOLANDA AVE      | RCRA-SQG, SLIC, FINDS, ECHO, HAZNET              | Lower              | 83, 0.016, South           |
| E17    | SANTA ROSA PLANT     | 455 YOLANDA AVE      | HIST UST, CHMIRS, WDS                            | Higher             | 101, 0.019, East           |
| E18    | REDWOOD OIL COMPANY  | 455 YOLANDA AVE.     | AST  | Higher             | 101, 0.019, East           |
| E19    | REDWOOD OIL #141 (BU | YOLANDA AVENUE 455   | LUST   | Higher             | 101, 0.019, East           |
| E20    | REDWOOD OIL COMPANY  | 455 YOLANDA AVENUE   | LUST, Cortese, EMI, ENF, HIST CORTESE, NPDES,... | Higher             | 101, 0.019, East           |
| E21    | SANTA ROSA PLANT     | 455 YOLANDA AVE      | SWEEPS UST, CA FID UST, EMI                      | Higher             | 101, 0.019, East           |
| E22    | REDWOOD OIL COMPANY  | 455 YOLANDA AVE      | EDR Hist Auto                                    | Higher             | 110, 0.021, East           |
| C23    | MICHAEL'S AUTO       | 2642 SANTA ROSA AVEN | LUST, ENF, HIST CORTESE                          | Lower              | 147, 0.028, WSW            |
| C24    | GERRICK STEVE EXXON  | 2642 SANTA ROSA AVE  | EDR Hist Auto                                    | Lower              | 147, 0.028, WSW            |
| 25     | DAVES AUTO RADIO REP | 2450 SANTA ROSA AVE  | EDR Hist Auto                                    | Lower              | 275, 0.052, NW             |
| F26    | PACIFIC BELL         | 459 YOLANDA          | RCRA NonGen / NLR, FINDS, ECHO                   | Higher             | 282, 0.053, ESE            |
| F27    | FLYERS ENERGY 3017   | 459 YOLANDA AVENUE   | LUST, HAZNET, HIST CORTESE, NPDES, Notify 65     | Higher             | 282, 0.053, ESE            |
| F28    | FLYERS #479          | 459 YOLANDA AVE      | UST  | Higher             | 282, 0.053, ESE            |
| F29    | PRIVATE RESIDENCE    | PRIVATE RESIDENCE    | LUST   | Higher             | 282, 0.053, ESE            |
| G30    | 7-ELEVEN #33277      | 2648 SANTA ROSA AVEN | UST  | Lower              | 297, 0.056, SW             |
| G31    | SANTA ROSA PLUME AT  | YOLANDA AT SANTA ROS | SLIC   | Lower              | 312, 0.059, WSW            |
| C32    | NOLAN C R AUTO REPAI | 2626 SANTA ROSA AVE  | EDR Hist Auto                                    | Lower              | 314, 0.059, WSW            |
| G33    | MALM METAL PRODS INC | 2640 SANTA ROSA AVE  | RCRA-SQG, LUST, FINDS, ECHO, ENF, HIST CORTESE   | Lower              | 314, 0.059, WSW            |
| G34    | AUTO LIFE CENTER     | 2698 SANTA ROSA AVEN | LUST, SLIC, HIST CORTESE                         | Lower              | 351, 0.066, SW             |
| G35    | AUTO LIFE CENTER AUT | 2698 SANTA ROSA AVE  | EDR Hist Auto                                    | Lower              | 351, 0.066, SW             |
| G36    | LYLES TACKLE SHOP    | 2690 SANTA ROSA AVEN | SLIC   | Lower              | 404, 0.077, SW             |
| F37    | FOREIGN AUTO WERKSTA | 468 YOLANDA AVE      | EDR Hist Auto                                    | Higher             | 492, 0.093, ESE            |
| 38     | PACIFIC BELL         | 463 YOLANDA AVE      | RCRA NonGen / NLR, FINDS, ECHO                   | Higher             | 701, 0.133, East           |
| 39     | GROG SHOP            | 2296 SANTA ROSA      | LUST, HIST CORTESE                               | Lower              | 724, 0.137, NNW            |

MAPPED SITES SUMMARY

Target Property Address:  
325 YOLANDA AVENUE AND 2532 SANTA ROSA AVENUE  
SANTA ROSA, CA 95404

Click on Map ID to see full detail.

| MAP ID | SITE NAME            | ADDRESS              | DATABASE ACRONYMS                                    | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|----------------------|----------------------|--|--------------------|----------------------------|
| H40    | RITZ C GUGGIANA ENTE | 651 YOLANDA AVE      | RCRA-SQG, FINDS, ECHO, HAZNET                        | Higher             | 791, 0.150, East           |
| H41    | RITZ FOOD & EQUIP DI | 651 YOLANDA AVE      | HIST UST   | Higher             | 791, 0.150, East           |
| H42    | RITZ FOOD & EQUIP DI | 651 YOLANDA AVE      | SWEEPS UST, HIST UST, CA FID UST                     | Higher             | 791, 0.150, East           |
| I43    | BURT STREET DEVELOPM | YOLANDA & PETALUMA R | ENVIROSTOR, VCP                                      | Higher             | 895, 0.170, ESE            |
| J44    | SIETZ EUROPEAN MOTOR | 112 COMMERCIAL COURT | RCRA-SQG, FINDS, ECHO, EMI, HAZNET                   | Lower              | 898, 0.170, NW             |
| J45    | BAVARIAN TUNING      | 112 COMMERCIAL CT    | AST  | Lower              | 898, 0.170, NW             |
| J46    | GOLDEN GATE NORTH    | 112 COMMERCIAL CT.   | RCRA-SQG, FINDS, ECHO                                | Lower              | 898, 0.170, NW             |
| 47     | KAWANA SPRINGS PIPEL | KAWANA SPRINGS       | SLIC   | Higher             | 1094, 0.207, ENE           |
| I48    | DAVIDSON, WILLIAM    | 800 YOLANDA AVENUE   | SLIC   | Higher             | 1097, 0.208, ESE           |
| K49    | HEPPER, TOM          | SANTA ROSA AVENUE 27 | LUST   | Lower              | 1130, 0.214, SSW           |
| K50    | HEPPER, TOM          | 2775 SANTA ROSA AVEN | LUST, ENF, HAZNET, HIST CORTESE, Notify 65           | Lower              | 1130, 0.214, SSW           |
| L51    | MANLY AUTOCENTER     | 2701 CORBY AVENUE    | RCRA-SQG, SWEEPS UST, FINDS, ECHO, HAZNET            | Lower              | 1142, 0.216, WSW           |
| L52    | MANLY AUTOCENTER     | 2701 CORBY           | AST, EMI   | Lower              | 1142, 0.216, WSW           |
| L53    | MANLY OLDSMOBILE - G | 2701 CORBY AVENUE    | UST  | Lower              | 1142, 0.216, WSW           |
| L54    | MANLY OLDS GMC TRUCK | 2755 CORBY AVE       | HIST UST, CA FID UST, RCRA NonGen / NLR, FINDS,...   | Lower              | 1163, 0.220, WSW           |
| L55    | MANLY MITSUBISHI     | 2755 CORBY AVENUE    | LUST, SWEEPS UST, HIST CORTESE                       | Lower              | 1163, 0.220, WSW           |
| M56    | S & W INVESTMENTS    | 2159 SANTA ROSA      | LUST, HIST CORTESE                                   | Lower              | 1165, 0.221, NNW           |
| M57    | SMOTHERS AUTO CTR. I | 2157 SANTA ROSA AVE  | SWEEPS UST, CA FID UST                               | Lower              | 1172, 0.222, NNW           |
| M58    | SMOTHERS AUTO CTR IN | 2157 SANTA ROSA AVE  | HIST UST   | Lower              | 1172, 0.222, NNW           |
| N59    | SHELL                | 2575 CORBY AVENUE    | LUST, SWEEPS UST, CUPA Listings, HAZNET, HIST...     | Lower              | 1192, 0.226, West          |
| N60    | SHELL SERVICE STATIO | 2575 CORBY DR        | RCRA-SQG, LUST, FINDS, ECHO, HAZNET                  | Lower              | 1192, 0.226, West          |
| N61    | CORBY SHELL          | 2575 CORBY AVENUE    | UST  | Lower              | 1192, 0.226, West          |
| N62    | COLBY AVENUE SHELL   | 2575 CORBY AVE       | SWEEPS UST, CA FID UST                               | Lower              | 1192, 0.226, West          |
| N63    | PAUL M KALTENBACH    | 2575 CORBY           | HIST UST   | Lower              | 1192, 0.226, West          |
| M64    | OE'S PERFORMANCE     | SANTA ROSA AVENUE 21 | LUST   | Lower              | 1211, 0.229, NNW           |
| M65    | JOE'S PERFORMANCE TO | 2151 SANTA ROSA      | SWEEPS UST, HIST UST, CA FID UST                     | Lower              | 1211, 0.229, NNW           |
| M66    | JOE'S PERFORMANCE TO | 2151 SANTA ROSA      | LUST, HIST UST, HIST CORTESE                         | Lower              | 1211, 0.229, NNW           |
| N67    | AM AND PM MINI MARKE | 440 HEARN AVE        | SLIC, SWEEPS UST, CHMIRS                             | Lower              | 1315, 0.249, West          |
| N68    | A&M MINI MARKET - ST | 440 HEARN AVE        | UST  | Lower              | 1315, 0.249, West          |
| N69    | AM MINI MARKET DBA S | 440 HEARN AVE        | SWEEPS UST, CA FID UST, ENF, HAZNET                  | Lower              | 1315, 0.249, West          |
| N70    | A AND M MINI MARKET  | 440 HEAN AVE         | HIST UST   | Lower              | 1315, 0.249, West          |
| N71    | AM/PM MINI MART      | 440 HEARN AVENUE     | LUST, HIST CORTESE, Notify 65                        | Lower              | 1315, 0.249, West          |
| N72    | BP WEST COAST PRODUC | 440 HEARN AVE        | RCRA NonGen / NLR, FINDS, HAZNET                     | Lower              | 1315, 0.249, West          |
| 73     | CHEVRON #9-6449      | 2200 SANTA ROSA AVEN | LUST, HIST CORTESE                                   | Higher             | 1391, 0.263, North         |
| 74     | BIDDULPH CHEVROLET   | 2770 CORBY AVE       | RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,... | Lower              | 1408, 0.267, SW            |
| O75    | MANLY HONDA          | 2750 CORBY           | LUST, AST, HIST CORTESE                              | Lower              | 1420, 0.269, WSW           |
| O76    | MANLY HONDA          | CORBY AVENUE 2750    | LUST   | Lower              | 1420, 0.269, WSW           |
| 77     | STANDARD BRANDS PAIN | 1993 SANTA ROSA AVEN | LUST, HIST CORTESE                                   | Lower              | 1704, 0.323, NNW           |
| 78     | SUMMERHILL / KAUFMAN | PETALUMA HILL & BURT | SLIC   | Lower              | 1738, 0.329, SE            |

MAPPED SITES SUMMARY

Target Property Address:  
 325 YOLANDA AVENUE AND 2532 SANTA ROSA AVENUE  
 SANTA ROSA, CA 95404

Click on Map ID to see full detail.

| MAP ID | SITE NAME            | ADDRESS              | DATABASE ACRONYMS                                    | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|----------------------|----------------------|--|--------------------|----------------------------|
| 79     | MEAD CLARK LUMBER SU | RAILROAD AVENUE 175  | LUST   | Lower              | 1791, 0.339, West          |
| P80    | PRESTIG IMPORTS      | 2800 CORBY AVE       | RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,... | Lower              | 1819, 0.345, SW            |
| P81    | PRESTIGE ACURA       | CORBY AVENUE 2840    | LUST   | Lower              | 1851, 0.351, SW            |
| 82     | MEAD CLARK LUMBER SU | 3RD ST               | HIST CORTESE   | Lower              | 1938, 0.367, WSW           |
| P83    | ZUMWALT MAGRINI USED | 2820 CORBY           | LUST, HIST CORTESE                                   | Lower              | 1984, 0.376, SW            |
| P84    | SANTA ROSA AMC-JEEP  | 2820 CORBY AVE       | LUST, SWEEPS UST, HIST UST, CA FID UST               | Lower              | 1984, 0.376, SW            |
| 85     | GREG'S AUTOMOTIVE    | DUTTON               | Notify 65  | Lower              | 2042, 0.387, West          |
| 86     | PRESTIGE ACURA       | 2840 CORBY AVENUE    | LUST, SWEEPS UST, HIST CORTESE                       | Lower              | 2054, 0.389, SW            |
| Q87    | MOUNTAIN VIEW MOBILE | 2860 SANTA ROSA AVEN | SLIC   | Lower              | 2140, 0.405, SSW           |
| Q88    | YAEGER & KIRK LUMBER | 2875 SANTA ROSA      | LUST, HIST CORTESE                                   | Lower              | 2204, 0.417, SSW           |
| Q89    | YAEGER & KIRK LUMBER | SANTA ROSA AVENUE 28 | LUST   | Lower              | 2222, 0.421, SSW           |
| R90    | EMPIRE DIAGNOSTIC    | COLGAN AVENUE 125    | LUST   | Lower              | 2308, 0.437, North         |
| S91    | ARCO #1318           | 1745 SANTA ROSA AVEN | LUST, ENF, HIST CORTESE                              | Lower              | 2321, 0.440, NNW           |
| S92    | FORMER ARCO STATION  | 1745 SANAT ROSA AVE  | Notify 65  | Lower              | 2321, 0.440, NNW           |
| S93    | SALIM SARMAST        | 1745 SANTA ROSA AVE  | SWEEPS UST, CA FID UST, Cortese                      | Lower              | 2321, 0.440, NNW           |
| T94    | EMPIRE SWIFT PLUMBIN | 244 COLGAN AVENUE    | LUST, HIST CORTESE                                   | Higher             | 2416, 0.458, North         |
| R95    | SHELL (STEEL BEAR DE | 1750 SANTA ROSA AVEN | LUST   | Lower              | 2443, 0.463, North         |
| U96    | FREEMAN TOYOTA       | 2875 CORBY AVE       | RCRA-SQG, LUST, AST, FINDS, ECHO, EMI, HAZNET,...    | Lower              | 2448, 0.464, SSW           |
| U97    | FREEMAN TOYOTA       | 2875 CORBY           | LUST, HIST CORTESE, Notify 65                        | Lower              | 2448, 0.464, SSW           |
| U98    | SMOTHERS EUROPEAN    | 2881 CORBY AVE       | RCRA-SQG, LUST, SWEEPS UST, CA FID UST, FINDS,...    | Lower              | 2499, 0.473, SSW           |
| U99    | SMOTHERS VOLVO       | 2881 CORBY AVE       | LUST, HIST UST, HIST CORTESE                         | Lower              | 2499, 0.473, SSW           |
| T100   | EMPIRE DIAGNOSTIC    | 125 COLGAN AVENUE    | LUST, HIST CORTESE                                   | Higher             | 2507, 0.475, North         |
| V101   | MANCINI ESTATE/RUNDE | 3373 PETALUMA HILL R | Notify 65  | Lower              | 2522, 0.478, SE            |
| V102   |                      | 3375 PETALUMA HILL R | Notify 65  | Lower              | 2541, 0.481, SE            |
| S103   | CHEVRON #9-1168      | 1715 SANTA ROSA AVEN | LUST, HIST CORTESE                                   | Lower              | 2545, 0.482, NNW           |
| 104    | FOUCHE BROS          | 2290 DUTTON AVENUE   | ENVIROSTOR, SLIC                                     | Lower              | 2640, 0.500, WNW           |
| 105    | METAL ENGINEERING    | 532 ASTON AVE        | LUST, SWEEPS UST, HIST UST, CA FID UST, Notify 65    | Higher             | 3062, 0.580, North         |
| 106    | PRESTIGE LINCOLN MER | 2979 CORBY AVENUE    | LUST, HIST CORTESE, Notify 65                        | Lower              | 3089, 0.585, SSW           |
| W107   | BROMLEY PROPERTY     | 1500 SANTA ROSA      | LUST, SLIC, HIST CORTESE, Notify 65                  | Higher             | 3126, 0.592, North         |
| W108   | TRANSCO TRANSMISSION | 1470 SANTA ROSA AVEN | ENVIROSTOR, LUST, HIST CORTESE, Notify 65            | Higher             | 3306, 0.626, North         |
| 109    | GOLDEN TECHNOLOGY SI | 3017 AND 3019 SANTA  | RESPONSE, ENVIROSTOR, HIST Cal-Sites, DEED           | Lower              | 3393, 0.643, SSW           |
| X110   | RINO GAS             | 1410 SANTA ROSA AVEN | Notify 65  | Higher             | 3407, 0.645, North         |
| X111   | RINO GAS             | 1410 SANTA ROSA AVEN | Notify 65  | Higher             | 3407, 0.645, North         |
| Y112   | RESIDENCE            | 1267 CORBY AVE       | Notify 65  | Higher             | 4075, 0.772, NNW           |
| Y113   | RESIDENCE            | 1267 CORBY AVE       | Notify 65  | Higher             | 4075, 0.772, NNW           |
| Y114   | RESIDENCE            | 1267 CORBY AVE       | Notify 65  | Higher             | 4075, 0.772, NNW           |
| 115    | SANTA ROSA PLATING W | 80 BARHAM AVE        | ENVIROSTOR   | Lower              | 4626, 0.876, NNW           |
| 116    | MEADOWVIEW ELEMENTAR | 2641 DUTTON MEADOW   | ENVIROSTOR, SCH                                      | Lower              | 4656, 0.882, West          |
| 117    | ROSELAND UNIVERSITY  | 1777 WEST AVENUE     | ENVIROSTOR, SCH                                      | Lower              | 4698, 0.890, WNW           |

MAPPED SITES SUMMARY

Target Property Address:  
 325 YOLANDA AVENUE AND 2532 SANTA ROSA AVENUE  
 SANTA ROSA, CA 95404

Click on Map ID to see full detail.

| MAP ID              | SITE NAME            | ADDRESS              | DATABASE ACRONYMS                                    | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---------------------|----------------------|----------------------|--|--------------------|----------------------------|
| <a href="#">118</a> | SANTA ROSA CIRCUITS  | 35 AND 48 WEST BARHA | ENVIROSTOR   | Lower              | 4873, 0.923, NW            |
| <a href="#">119</a> | MEADOW VIEW EXPANSIO | 1550 & 1590 HEARN AV | ENVIROSTOR, SCH                                      | Lower              | 5036, 0.954, West          |
| <a href="#">120</a> | TORVICK INC          | 1015 SANTA ROSA AVE  | RCRA-SQG, LUST, FINDS, ECHO, HAZNET, HIST CORTESE,.. | Higher             | 5067, 0.960, North         |
| <a href="#">121</a> | DIBBLES AUTO CENTER  | 965 SANTA ROSA AVE   | RCRA-SQG, LUST, SWEEPS UST, HIST UST, CA FID UST,... | Higher             | 5217, 0.988, North         |

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

| Site   | Database(s)   | EPA ID |
|--|---|--------|
| HULSMAN TRANSPORTATI<br>325 YOLANDA AVENUE<br>SANTA ROSA, CA 95404 | LUST<br>Database: LUST REG 1, Date of Government Version: 02/01/2001<br>Database: LUST, Date of Government Version: 03/12/2018<br>Status: Completed - Case Closed<br>Facility Id: 1TSR050<br>Global Id: T0609700572 | N/A    |
|  | ENF<br>Status: Historical<br>Facility Id: 230820  |        |
|  | HIST CORTESE<br>Reg Id: 1TSR050   |        |
| MATHESON FREIGHT INC<br>325 YOLANDA AVE<br>SANTA ROSA, CA 95404    | HAZNET<br>GEPaid: CAL000321721  | N/A    |
| HULSMAN TRANS<br>325 YOLANDA AVE<br>SANTA ROSA, CA 95402           | SWEEPS UST<br>Status: A<br>Tank Status: A<br>Comp Number: 12134   | N/A    |
|  | CA FID UST<br>Facility Id: 49000161<br>Status: A  |        |
| HULSMAN TRANSPORTATI<br>325 YOLANDA AVENUE<br>SANTA ROSA, CA       | RGA LUST  | N/A    |
| AUTOKRAFT<br>325 YOLANDA AVE<br>SANTA ROSA, CA 95404               | EDR Hist Auto   | N/A    |
| HULSMAN TRANSPORTATI<br>325 YOLANDA<br>SANTA ROSA, CA 95407        | FINDS<br>Registry ID:: 110065417105   | N/A    |
| CHAIN ENTERPRISES<br>325 YOLANDA AVE<br>SANTA ROSA, CA 95404       | HAZNET<br>GEPaid: CAL000277184  | N/A    |
| MAJOR DIESEL<br>325 YOLANDA AVE<br>SANTA ROSA, CA 95404            | HAZNET  | N/A    |

## EXECUTIVE SUMMARY

GEPaid: CAL000050356

MATHESON FASTFRIEGHT  
3250 YOLANDA AVE  
SANTA ROSA, CA 95407

HAZNET  
GEPaid: CAC002572081

N/A

HULSMAN TRANS  
325 YOLANDA AVE  
SANTA ROSA, CA 95402

HIST UST  
Facility Id: 00000012134

N/A

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

#### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

## EXECUTIVE SUMMARY

### ***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

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing  
INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields 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  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... Delisted National Clandestine Laboratory Register

## EXECUTIVE SUMMARY

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**

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  
ABANDONED MINES..... Abandoned Mines  
UXO..... Unexploded Ordnance Sites  
ECHO..... Enforcement & Compliance History Information



## EXECUTIVE SUMMARY

|                          |   |
|--------------------------|---|
| DOCKET HWC.....          | Hazardous Waste Compliance Docket Listing       |
| FUELS PROGRAM.....       | EPA Fuels Program Registered Listing            |
| CA BOND EXP. PLAN.....   | Bond Expenditure Plan                           |
| DRYCLEANERS.....         | Cleaner Facilities                              |
| EMI.....                 | Emissions Inventory Data                        |
| Financial Assurance..... | Financial Assurance Information Listing         |
| ICE.....                 | ICE   |
| HWP.....                 | EnviroStor Permitted Facilities Listing         |
| 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                          |
| WIP.....                 | Well Investigation Program Case List            |

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

|                       |   |
|-----------------------|---|
| EDR MGP.....          | EDR Proprietary Manufactured Gas Plants |
| EDR Hist Cleaner..... | EDR Exclusive Historical Cleaners       |

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

|             |  |
|-------------|--|
| RGA LF..... | Recovered Government Archive Solid Waste Facilities List |
|-------------|--|

### 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 RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting

## EXECUTIVE SUMMARY

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 12/11/2017 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>         | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|------------------------|--------------------------------|---------------|-------------|
| <b>RITZ C GUGGIANA ENTE</b>   | <b>651 YOLANDA AVE</b> | <b>E 1/8 - 1/4 (0.150 mi.)</b> | <b>H40</b>    | <b>122</b>  |

| <u>Lower Elevation</u>      | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-----------------------------|-----------------------------|----------------------------------|---------------|-------------|
| <b>FIREFORM PORCELAIN I</b> | <b>368 YOLANDA AVE</b>      | <b>S 0 - 1/8 (0.016 mi.)</b>     | <b>B16</b>    | <b>44</b>   |
| <b>MALM METAL PRODS INC</b> | <b>2640 SANTA ROSA AVE</b>  | <b>WSW 0 - 1/8 (0.059 mi.)</b>   | <b>G33</b>    | <b>102</b>  |
| <b>SIETZ EUROPEAN MOTOR</b> | <b>112 COMMERCIAL COURT</b> | <b>NW 1/8 - 1/4 (0.170 mi.)</b>  | <b>J44</b>    | <b>128</b>  |
| <b>GOLDEN GATE NORTH</b>    | <b>112 COMMERCIAL CT.</b>   | <b>NW 1/8 - 1/4 (0.170 mi.)</b>  | <b>J46</b>    | <b>137</b>  |
| <b>MANLY AUTOCENTER</b>     | <b>2701 CORBY AVENUE</b>    | <b>WSW 1/8 - 1/4 (0.216 mi.)</b> | <b>L51</b>    | <b>147</b>  |
| <b>SHELL SERVICE STATIO</b> | <b>2575 CORBY DR</b>        | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N60</b>    | <b>173</b>  |

### **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.

| <u>Lower Elevation</u>                                     | <u>Address</u>             | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|--------------------------------|---------------|-------------|
| <b>GOLDEN TECHNOLOGY SI</b>                                | <b>3017 AND 3019 SANTA</b> | <b>SSW 1/2 - 1 (0.643 mi.)</b> | <b>109</b>    | <b>332</b>  |
| Database: RESPONSE, Date of Government Version: 01/30/2018 |                            |                                |               |             |
| Status: Active   |                            |                                |               |             |
| Facility Id: 49390001                                      |                            |                                |               |             |

### **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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 9 ENVIROSTOR sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>                  | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|---------------------------------|----------------------------------|---------------|-------------|
| <b>BURT STREET DEVELOPM</b>   | <b>YOLANDA &amp; PETALUMA R</b> | <b>ESE 1/8 - 1/4 (0.170 mi.)</b> | <b>I43</b>    | <b>125</b>  |

## EXECUTIVE SUMMARY

Facility Id: 49010001  
Status: No Further Action

|   |                             |                              |             |            |
|---|-----------------------------|------------------------------|-------------|------------|
| <b>TRANSCO TRANSMISSION</b>                   | <b>1470 SANTA ROSA AVEN</b> | <b>N 1/2 - 1 (0.626 mi.)</b> | <b>W108</b> | <b>325</b> |
| Facility Id: 49340002<br>Status: Refer: RWQCB |                             |                              |             |            |

| <u>Lower Elevation</u>   | <u>Address</u>                  | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------------|----------------------------------|---------------|-------------|
| <b>FOUCHE BROS</b><br>Facility Id: 49500004<br>Status: Refer: RWQCB                  | <b>2290 DUTTON AVENUE</b>       | <b>WNW 1/4 - 1/2 (0.500 mi.)</b> | <b>104</b>    | <b>300</b>  |
| <b>GOLDEN TECHNOLOGY SI</b><br>Facility Id: 49390001<br>Status: Active               | <b>3017 AND 3019 SANTA</b>      | <b>SSW 1/2 - 1 (0.643 mi.)</b>   | <b>109</b>    | <b>332</b>  |
| SANTA ROSA PLATING W<br>Facility Id: 49340003<br>Status: No Further Action           | 80 BARHAM AVE                   | NNW 1/2 - 1 (0.876 mi.)          | 115           | 373         |
| <b>MEADOWVIEW ELEMENTAR</b><br>Facility Id: 60001076<br>Status: Certified            | <b>2641 DUTTON MEADOW</b>       | <b>W 1/2 - 1 (0.882 mi.)</b>     | <b>116</b>    | <b>374</b>  |
| <b>ROSELAND UNIVERSITY</b><br>Facility Id: 60001798<br>Status: No Further Action     | <b>1777 WEST AVENUE</b>         | <b>WNW 1/2 - 1 (0.890 mi.)</b>   | <b>117</b>    | <b>380</b>  |
| SANTA ROSA CIRCUITS<br>Facility Id: 49360001<br>Status: Refer: RWQCB                 | 35 AND 48 WEST BARHA            | NW 1/2 - 1 (0.923 mi.)           | 118           | 384         |
| <b>MEADOW VIEW EXPANSIO</b><br>Facility Id: 60001963<br>Status: Inactive - Withdrawn | <b>1550 &amp; 1590 HEARN AV</b> | <b>W 1/2 - 1 (0.954 mi.)</b>     | <b>119</b>    | <b>385</b>  |

### **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 40 LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>  | <u>Address</u>            | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------|--------------------------------|---------------|-------------|
| REDWOOD OIL #141 (BU)<br>Database: LUST REG 1, Date of Government Version: 02/01/2001<br>Facility Id: 1TSR261                                | YOLANDA AVENUE 455        | E 0 - 1/8 (0.019 mi.)          | E19           | 54          |
| <b>REDWOOD OIL COMPANY</b><br>Database: LUST, Date of Government Version: 03/12/2018<br>Status: Open - Remediation<br>Global Id: T0609700708 | <b>455 YOLANDA AVENUE</b> | <b>E 0 - 1/8 (0.019 mi.)</b>   | <b>E20</b>    | <b>55</b>   |
| <b>FLYERS ENERGY 3017</b><br>Database: LUST REG 1, Date of Government Version: 02/01/2001  | <b>459 YOLANDA AVENUE</b> | <b>ESE 0 - 1/8 (0.053 mi.)</b> | <b>F27</b>    | <b>95</b>   |

## EXECUTIVE SUMMARY

|  |                             |                                  |               |             |
|--|-----------------------------|----------------------------------|---------------|-------------|
| Facility Id: 1TSR052   |                             |                                  |               |             |
| PRIVATE RESIDENCE  | PRIVATE RESIDENCE           | ESE 0 - 1/8 (0.053 mi.)          | F29           | 99          |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Global Id: T0609700574                                       |                             |                                  |               |             |
| <b>CHEVRON #9-6449</b>                                       | <b>2200 SANTA ROSA AVEN</b> | <b>N 1/4 - 1/2 (0.263 mi.)</b>   | <b>73</b>     | <b>211</b>  |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR210   |                             |                                  |               |             |
| Global Id: T0609700685                                       |                             |                                  |               |             |
| <b>EMPIRE SWIFT PLUMBIN</b>                                  | <b>244 COLGAN AVENUE</b>    | <b>N 1/4 - 1/2 (0.458 mi.)</b>   | <b>T94</b>    | <b>272</b>  |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR172   |                             |                                  |               |             |
| Global Id: T0609700662                                       |                             |                                  |               |             |
| <b>EMPIRE DIAGNOSTIC</b>                                     | <b>125 COLGAN AVENUE</b>    | <b>N 1/4 - 1/2 (0.475 mi.)</b>   | <b>T100</b>   | <b>295</b>  |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Global Id: T0609700664                                       |                             |                                  |               |             |
| <b>Lower Elevation</b>                                       | <b>Address</b>              | <b>Direction / Distance</b>      | <b>Map ID</b> | <b>Page</b> |
| <b>MICHAEL'S AUTO</b>  | <b>2642 SANTA ROSA AVEN</b> | <b>WSW 0 - 1/8 (0.028 mi.)</b>   | <b>C23</b>    | <b>87</b>   |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR044   |                             |                                  |               |             |
| Global Id: T0609700567                                       |                             |                                  |               |             |
| <b>MALM METAL PRODS INC</b>                                  | <b>2640 SANTA ROSA AVE</b>  | <b>WSW 0 - 1/8 (0.059 mi.)</b>   | <b>G33</b>    | <b>102</b>  |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR256   |                             |                                  |               |             |
| Global Id: T0609700703                                       |                             |                                  |               |             |
| <b>AUTO LIFE CENTER</b>                                      | <b>2698 SANTA ROSA AVEN</b> | <b>SW 0 - 1/8 (0.066 mi.)</b>    | <b>G34</b>    | <b>114</b>  |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR329   |                             |                                  |               |             |
| Global Id: T0609700753                                       |                             |                                  |               |             |
| <b>GROG SHOP</b>   | <b>2296 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.137 mi.)</b> | <b>39</b>     | <b>120</b>  |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |
| Status: Completed - Case Closed                              |                             |                                  |               |             |
| Facility Id: 1TSR298   |                             |                                  |               |             |
| Global Id: T0609700736                                       |                             |                                  |               |             |
| HEPPER, TOM  | SANTA ROSA AVENUE 27        | SSW 1/8 - 1/4 (0.214 mi.)        | K49           | 140         |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |               |             |
| Facility Id: 1TSR099   |                             |                                  |               |             |
| <b>HEPPER, TOM</b>   | <b>2775 SANTA ROSA AVEN</b> | <b>SSW 1/8 - 1/4 (0.214 mi.)</b> | <b>K50</b>    | <b>140</b>  |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |               |             |

## EXECUTIVE SUMMARY

Status: Completed - Case Closed  
Global Id: T0609700610

|   |                             |                                  |            |            |
|---|-----------------------------|----------------------------------|------------|------------|
| <b>MANLY MITSUBISHI</b>   | <b>2755 CORBY AVENUE</b>    | <b>WSW 1/8 - 1/4 (0.220 mi.)</b> | <b>L55</b> | <b>156</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Facility Id: 1TSR271  |                             |                                  |            |            |
| Global Id: T0609700718  |                             |                                  |            |            |
| <b>S &amp; W INVESTMENTS</b>                                      | <b>2159 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.221 mi.)</b> | <b>M56</b> | <b>159</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Facility Id: 1TSR012  |                             |                                  |            |            |
| Global Id: T0609700536  |                             |                                  |            |            |
| <b>SHELL</b>  | <b>2575 CORBY AVENUE</b>    | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N59</b> | <b>162</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Facility Id: 1TSO135  |                             |                                  |            |            |
| Global Id: T0609700103  |                             |                                  |            |            |
| <b>SHELL SERVICE STATIO</b>                                       | <b>2575 CORBY DR</b>        | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N60</b> | <b>173</b> |
| Database: SONOMA CO. LUST, Date of Government Version: 01/04/2018 |                             |                                  |            |            |
| Global ID: T0609700103  |                             |                                  |            |            |
| <b>OE'S PERFORMANCE</b>   | <b>SANTA ROSA AVENUE 21</b> | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M64</b> | <b>180</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Facility Id: 1TSR280  |                             |                                  |            |            |
| <b>JOE'S PERFORMANCE TO</b>                                       | <b>2151 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M66</b> | <b>183</b> |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Global Id: T0609700726  |                             |                                  |            |            |
| <b>AM/PM MINI MART</b>  | <b>440 HEARN AVENUE</b>     | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N71</b> | <b>197</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Open - Remediation  |                             |                                  |            |            |
| Facility Id: 1TSR150  |                             |                                  |            |            |
| Global Id: T0609700647  |                             |                                  |            |            |
| <b>BIDDULPH CHEVROLET</b>   | <b>2770 CORBY AVE</b>       | <b>SW 1/4 - 1/2 (0.267 mi.)</b>  | <b>74</b>  | <b>213</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Facility Id: 1TSR116  |                             |                                  |            |            |
| Global Id: T0609700627  |                             |                                  |            |            |
| <b>MANLY HONDA</b>  | <b>2750 CORBY</b>           | <b>WSW 1/4 - 1/2 (0.269 mi.)</b> | <b>O75</b> | <b>225</b> |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |
| Status: Completed - Case Closed                                   |                             |                                  |            |            |
| Global Id: T0609700717  |                             |                                  |            |            |
| <b>MANLY HONDA</b>  | <b>CORBY AVENUE 2750</b>    | <b>WSW 1/4 - 1/2 (0.269 mi.)</b> | <b>O76</b> | <b>227</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Facility Id: 1TSR270  |                             |                                  |            |            |
| <b>STANDARD BRANDS PAIN</b>                                       | <b>1993 SANTA ROSA AVEN</b> | <b>NNW 1/4 - 1/2 (0.323 mi.)</b> | <b>77</b>  | <b>227</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001      |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018            |                             |                                  |            |            |

## EXECUTIVE SUMMARY

|  |                             |                                  |            |            |
|--|-----------------------------|----------------------------------|------------|------------|
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Facility Id: 1TSR314   |                             |                                  |            |            |
| Global Id: T0609700745                                       |                             |                                  |            |            |
| MEAD CLARK LUMBER SU   | RAILROAD AVENUE 175         | W 1/4 - 1/2 (0.339 mi.)          | 79         | 230        |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR016   |                             |                                  |            |            |
| <b>PRESTIG IMPORTS</b>                                       | <b>2800 CORBY AVE</b>       | <b>SW 1/4 - 1/2 (0.345 mi.)</b>  | <b>P80</b> | <b>230</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Facility Id: 1TSR048   |                             |                                  |            |            |
| Global Id: T0609700571                                       |                             |                                  |            |            |
| PRESTIGE ACURA   | CORBY AVENUE 2840           | SW 1/4 - 1/2 (0.351 mi.)         | P81        | 250        |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR332   |                             |                                  |            |            |
| <b>ZUMWALT MAGRINI USED</b>                                  | <b>2820 CORBY</b>           | <b>SW 1/4 - 1/2 (0.376 mi.)</b>  | <b>P83</b> | <b>251</b> |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Global Id: T0609700755                                       |                             |                                  |            |            |
| <b>SANTA ROSA AMC-JEEP</b>                                   | <b>2820 CORBY AVE</b>       | <b>SW 1/4 - 1/2 (0.376 mi.)</b>  | <b>P84</b> | <b>253</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR333   |                             |                                  |            |            |
| <b>PRESTIGE ACURA</b>  | <b>2840 CORBY AVENUE</b>    | <b>SW 1/4 - 1/2 (0.389 mi.)</b>  | <b>86</b>  | <b>255</b> |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Global Id: T0609700754                                       |                             |                                  |            |            |
| <b>YAEGER &amp; KIRK LUMBER</b>                              | <b>2875 SANTA ROSA</b>      | <b>SSW 1/4 - 1/2 (0.417 mi.)</b> | <b>Q88</b> | <b>257</b> |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Global Id: T0609700556                                       |                             |                                  |            |            |
| YAEGER & KIRK LUMBER   | SANTA ROSA AVENUE 28        | SSW 1/4 - 1/2 (0.421 mi.)        | Q89        | 258        |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR033   |                             |                                  |            |            |
| EMPIRE DIAGNOSTIC  | COLGAN AVENUE 125           | N 1/4 - 1/2 (0.437 mi.)          | R90        | 259        |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR175   |                             |                                  |            |            |
| <b>ARCO #1318</b>  | <b>1745 SANTA ROSA AVEN</b> | <b>NNW 1/4 - 1/2 (0.440 mi.)</b> | <b>S91</b> | <b>259</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Facility Id: 1TSR029   |                             |                                  |            |            |
| Global Id: T0609700552                                       |                             |                                  |            |            |
| SHELL (STEEL BEAR DE   | 1750 SANTA ROSA AVEN        | N 1/4 - 1/2 (0.463 mi.)          | R95        | 274        |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |
| Status: Completed - Case Closed                              |                             |                                  |            |            |
| Global Id: T10000001233                                      |                             |                                  |            |            |
| <b>FREEMAN TOYOTA</b>  | <b>2875 CORBY AVE</b>       | <b>SSW 1/4 - 1/2 (0.464 mi.)</b> | <b>U96</b> | <b>279</b> |
| Database: LUST REG 1, Date of Government Version: 02/01/2001 |                             |                                  |            |            |
| Facility Id: 1TSR124   |                             |                                  |            |            |
| <b>FREEMAN TOYOTA</b>  | <b>2875 CORBY</b>           | <b>SSW 1/4 - 1/2 (0.464 mi.)</b> | <b>U97</b> | <b>288</b> |
| Database: LUST, Date of Government Version: 03/12/2018       |                             |                                  |            |            |



## EXECUTIVE SUMMARY

Facility Status: Completed - Case Closed

Facility Id: 1NSR346

Global Id: T0609793387

|  |                           |                                  |            |            |
|--|---------------------------|----------------------------------|------------|------------|
| <b>AM AND PM MINI MARKE</b>                                  | <b>440 HEARN AVE</b>      | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N67</b> | <b>186</b> |
| Database: SLIC, Date of Government Version: 03/12/2018       |                           |                                  |            |            |
| Facility Status: Completed - Case Closed                     |                           |                                  |            |            |
| Global Id: T0609765989                                       |                           |                                  |            |            |
| SUMMERHILL / KAUFMAN   | PETALUMA HILL & BURT      | SE 1/4 - 1/2 (0.329 mi.)         | 78         | 229        |
| Database: SLIC, Date of Government Version: 03/12/2018       |                           |                                  |            |            |
| Database: SLIC REG 1, Date of Government Version: 04/03/2003 |                           |                                  |            |            |
| Facility Status: Open - Inactive                             |                           |                                  |            |            |
| Facility Id: 1NSR308   |                           |                                  |            |            |
| Global Id: T0609793364                                       |                           |                                  |            |            |
| MOUNTAIN VIEW MOBILE   | 2860 SANTA ROSA AVEN      | SSW 1/4 - 1/2 (0.405 mi.)        | Q87        | 257        |
| Database: SLIC REG 1, Date of Government Version: 04/03/2003 |                           |                                  |            |            |
| Facility Id: 1NSR345   |                           |                                  |            |            |
| <b>FOUCHE BROS</b>   | <b>2290 DUTTON AVENUE</b> | <b>WNW 1/4 - 1/2 (0.500 mi.)</b> | <b>104</b> | <b>300</b> |
| Database: SLIC, Date of Government Version: 03/12/2018       |                           |                                  |            |            |
| Facility Status: Open - Remediation                          |                           |                                  |            |            |
| Global Id: T0609793108                                       |                           |                                  |            |            |

### **State and tribal registered storage tank lists**

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u>                         | <u>Address</u>       | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| FLYERS #479   | 459 YOLANDA AVE      | ESE 0 - 1/8 (0.053 mi.)     | F28           | 99          |
| Database: UST, Date of Government Version: 03/12/2018 |                      |                             |               |             |
| Facility Id: 49-060-000577                            |                      |                             |               |             |
| <u>Lower Elevation</u>                                | <u>Address</u>       | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| 7-ELEVEN #33277                                       | 2648 SANTA ROSA AVEN | SW 0 - 1/8 (0.056 mi.)      | G30           | 101         |
| Database: UST, Date of Government Version: 03/12/2018 |                      |                             |               |             |
| MANLY OLDSMOBILE - G                                  | 2701 CORBY AVENUE    | WSW 1/8 - 1/4 (0.216 mi.)   | L53           | 153         |
| Database: UST, Date of Government Version: 03/12/2018 |                      |                             |               |             |
| Facility Id: 49-060-000011                            |                      |                             |               |             |
| CORBY SHELL   | 2575 CORBY AVENUE    | W 1/8 - 1/4 (0.226 mi.)     | N61           | 176         |
| Database: UST, Date of Government Version: 03/12/2018 |                      |                             |               |             |
| Facility Id: 49-000-000217                            |                      |                             |               |             |
| A&M MINI MARKET - ST                                  | 440 HEARN AVE        | W 1/8 - 1/4 (0.249 mi.)     | N68           | 189         |
| Database: UST, Date of Government Version: 03/12/2018 |                      |                             |               |             |
| Facility Id: 49-060-000015                            |                      |                             |               |             |



## EXECUTIVE SUMMARY

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u>              | <u>Address</u>                         | <u>Direction / Distance</u>                                  | <u>Map ID</u>     | <u>Page</u>       |
|--|--|--|-------------------|-------------------|
| REDWOOD OIL COMPANY                        | 455 YOLANDA AVE.                       | E 0 - 1/8 (0.019 mi.)  | E18               | 54                |
| <u>Lower Elevation</u>                     | <u>Address</u>                         | <u>Direction / Distance</u>                                  | <u>Map ID</u>     | <u>Page</u>       |
| BAVARIAN TUNING<br><b>MANLY AUTOCENTER</b> | 112 COMMERCIAL CT<br><b>2701 CORBY</b> | NW 1/8 - 1/4 (0.170 mi.)<br><b>WSW 1/8 - 1/4 (0.216 mi.)</b> | J45<br><b>L52</b> | 137<br><b>151</b> |

### ***State and tribal voluntary cleanup sites***

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 01/30/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>   | <u>Address</u>                  | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------------|----------------------------------|---------------|-------------|
| <b>BURT STREET DEVELOPM</b><br>Status: No Further Action<br>Facility Id: 49010001 | <b>YOLANDA &amp; PETALUMA R</b> | <b>ESE 1/8 - 1/4 (0.170 mi.)</b> | <b>I43</b>    | <b>125</b>  |

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Hazardous waste / Contaminated Sites***

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

| <u>Lower Elevation</u>      | <u>Address</u>             | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|-----------------------------|----------------------------|--------------------------------|---------------|-------------|
| <b>GOLDEN TECHNOLOGY SI</b> | <b>3017 AND 3019 SANTA</b> | <b>SSW 1/2 - 1 (0.643 mi.)</b> | <b>109</b>    | <b>332</b>  |

#### ***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

## EXECUTIVE SUMMARY

10 SWEEPS UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u>  | <u>Address</u>             | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|----------------------------------|---------------|-------------|
| <b>SANTA ROSA PLANT</b><br>Status: A<br>Tank Status: A<br>Comp Number: 2686          | <b>455 YOLANDA AVE</b>     | <b>E 0 - 1/8 (0.019 mi.)</b>     | <b>E21</b>    | <b>81</b>   |
| <b>RITZ FOOD &amp; EQUIP DI</b><br>Status: A<br>Tank Status: A<br>Comp Number: 10174 | <b>651 YOLANDA AVE</b>     | <b>E 1/8 - 1/4 (0.150 mi.)</b>   | <b>H42</b>    | <b>124</b>  |
| <u>Lower Elevation</u>   | <u>Address</u>             | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
| <b>MANLY AUTOCENTER</b><br>Status: A<br>Tank Status: A<br>Comp Number: 165           | <b>2701 CORBY AVENUE</b>   | <b>WSW 1/8 - 1/4 (0.216 mi.)</b> | <b>L51</b>    | <b>147</b>  |
| <b>MANLY MITSUBISHI</b><br>Comp Number: 2684   | <b>2755 CORBY AVENUE</b>   | <b>WSW 1/8 - 1/4 (0.220 mi.)</b> | <b>L55</b>    | <b>156</b>  |
| <b>SMOTHERS AUTO CTR. I</b><br>Status: A<br>Tank Status: A<br>Comp Number: 2667      | <b>2157 SANTA ROSA AVE</b> | <b>NNW 1/8 - 1/4 (0.222 mi.)</b> | <b>M57</b>    | <b>161</b>  |
| <b>SHELL</b><br>Status: A<br>Tank Status: A<br>Comp Number: 67170                    | <b>2575 CORBY AVENUE</b>   | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N59</b>    | <b>162</b>  |
| <b>COLBY AVENUE SHELL</b><br>Status: A<br>Tank Status: A<br>Comp Number: 2097        | <b>2575 CORBY AVE</b>      | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N62</b>    | <b>177</b>  |
| <b>JOE'S PERFORMANCE TO</b><br>Status: A<br>Tank Status: A<br>Comp Number: 23826     | <b>2151 SANTA ROSA</b>     | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M65</b>    | <b>180</b>  |
| <b>AM AND PM MINI MARKE</b><br>Status: A<br>Tank Status: A<br>Comp Number: 53359     | <b>440 HEARN AVE</b>       | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N67</b>    | <b>186</b>  |
| <b>AM MINI MARKET DBA S</b><br>Status: A<br>Tank Status: A<br>Comp Number: 1529      | <b>440 HEARN AVE</b>       | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N69</b>    | <b>190</b>  |

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 9 HIST UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>         | <u>Direction / Distance</u>  | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|------------------------|------------------------------|---------------|-------------|
| <b>SANTA ROSA PLANT</b>       | <b>455 YOLANDA AVE</b> | <b>E 0 - 1/8 (0.019 mi.)</b> | <b>E17</b>    | <b>48</b>   |

## EXECUTIVE SUMMARY

|   |                        |                                  |               |             |
|---|------------------------|----------------------------------|---------------|-------------|
| Facility Id: 00000002686                                |                        |                                  |               |             |
| RITZ FOOD & EQUIP DI<br>Facility Id: 00000010174        | 651 YOLANDA AVE        | E 1/8 - 1/4 (0.150 mi.)          | H41           | 124         |
| <b>RITZ FOOD &amp; EQUIP DI</b>                         | <b>651 YOLANDA AVE</b> | <b>E 1/8 - 1/4 (0.150 mi.)</b>   | <b>H42</b>    | <b>124</b>  |
| <b>Lower Elevation</b>                                  | <b>Address</b>         | <b>Direction / Distance</b>      | <b>Map ID</b> | <b>Page</b> |
| <b>MANLY OLDS GMC TRUCK</b><br>Facility Id: 00000002684 | <b>2755 CORBY AVE</b>  | <b>WSW 1/8 - 1/4 (0.220 mi.)</b> | <b>L54</b>    | <b>153</b>  |
| SMOTHERS AUTO CTR IN<br>Facility Id: 00000002667        | 2157 SANTA ROSA AVE    | NNW 1/8 - 1/4 (0.222 mi.)        | M58           | 161         |
| PAUL M KALTENBACH<br>Facility Id: 00000067170           | 2575 CORBY             | W 1/8 - 1/4 (0.226 mi.)          | N63           | 179         |
| <b>JOE'S PERFORMANCE TO</b>                             | <b>2151 SANTA ROSA</b> | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M65</b>    | <b>180</b>  |
| <b>JOE'S PERFORMANCE TO</b><br>Facility Id: 00000023826 | <b>2151 SANTA ROSA</b> | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M66</b>    | <b>183</b>  |
| A AND M MINI MARKET<br>Facility Id: 00000053359         | 440 HEAN AVE           | W 1/8 - 1/4 (0.249 mi.)          | N70           | 197         |

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 7 CA FID UST sites within approximately 0.25 miles of the target property.

|   |                            |                                  |               |             |
|---|----------------------------|----------------------------------|---------------|-------------|
| <b>Equal/Higher Elevation</b>   | <b>Address</b>             | <b>Direction / Distance</b>      | <b>Map ID</b> | <b>Page</b> |
| <b>SANTA ROSA PLANT</b><br>Facility Id: 49000103<br>Status: A         | <b>455 YOLANDA AVE</b>     | <b>E 0 - 1/8 (0.019 mi.)</b>     | <b>E21</b>    | <b>81</b>   |
| <b>RITZ FOOD &amp; EQUIP DI</b><br>Facility Id: 49002070<br>Status: A | <b>651 YOLANDA AVE</b>     | <b>E 1/8 - 1/4 (0.150 mi.)</b>   | <b>H42</b>    | <b>124</b>  |
| <b>Lower Elevation</b>  | <b>Address</b>             | <b>Direction / Distance</b>      | <b>Map ID</b> | <b>Page</b> |
| <b>MANLY OLDS GMC TRUCK</b><br>Facility Id: 49001501<br>Status: A     | <b>2755 CORBY AVE</b>      | <b>WSW 1/8 - 1/4 (0.220 mi.)</b> | <b>L54</b>    | <b>153</b>  |
| <b>SMOTHERS AUTO CTR. I</b><br>Facility Id: 49003668<br>Status: A     | <b>2157 SANTA ROSA AVE</b> | <b>NNW 1/8 - 1/4 (0.222 mi.)</b> | <b>M57</b>    | <b>161</b>  |
| <b>COLBY AVENUE SHELL</b><br>Facility Id: 49000126<br>Status: A       | <b>2575 CORBY AVE</b>      | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N62</b>    | <b>177</b>  |
| <b>JOE'S PERFORMANCE TO</b><br>Facility Id: 49002659<br>Status: A     | <b>2151 SANTA ROSA</b>     | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M65</b>    | <b>180</b>  |
| <b>AM MINI MARKET DBA S</b><br>Facility Id: 49000302                  | <b>440 HEARN AVE</b>       | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N69</b>    | <b>190</b>  |

## EXECUTIVE SUMMARY

Status: A

### ***Other Ascertainable Records***

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>         | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|------------------------|----------------------------------|---------------|-------------|
| <i>PACIFIC BELL</i>           | <i>459 YOLANDA</i>     | <i>ESE 0 - 1/8 (0.053 mi.)</i>   | <i>F26</i>    | <i>93</i>   |
| <i>PACIFIC BELL</i>           | <i>463 YOLANDA AVE</i> | <i>E 1/8 - 1/4 (0.133 mi.)</i>   | <i>38</i>     | <i>119</i>  |
| <u>Lower Elevation</u>        | <u>Address</u>         | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
| <i>MANLY OLDS GMC TRUCK</i>   | <i>2755 CORBY AVE</i>  | <i>WSW 1/8 - 1/4 (0.220 mi.)</i> | <i>L54</i>    | <i>153</i>  |
| <i>BP WEST COAST PRODUC</i>   | <i>440 HEARN AVE</i>   | <i>W 1/8 - 1/4 (0.249 mi.)</i>   | <i>N72</i>    | <i>209</i>  |

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 02/08/2018 has revealed that there are 4 Cortese sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>                  | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|---------------------------------|----------------------------------|---------------|-------------|
| <i>REDWOOD OIL COMPANY</i>    | <i>455 YOLANDA AVENUE</i>       | <i>E 0 - 1/8 (0.019 mi.)</i>     | <i>E20</i>    | <i>55</i>   |
| <u>Lower Elevation</u>        | <u>Address</u>                  | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
| <i>MALM FIREPLACES</i>        | <i>326 &amp; 368 YOLANDA AV</i> | <i>SSW 0 - 1/8 (0.006 mi.)</i>   | <i>B11</i>    | <i>30</i>   |
| <i>PRESTIG IMPORTS</i>        | <i>2800 CORBY AVE</i>           | <i>SW 1/4 - 1/2 (0.345 mi.)</i>  | <i>P80</i>    | <i>230</i>  |
| <i>SALIM SARMAST</i>          | <i>1745 SANTA ROSA AVE</i>      | <i>NNW 1/4 - 1/2 (0.440 mi.)</i> | <i>S93</i>    | <i>270</i>  |

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 is 1 CUPA Listings site within approximately 0.25 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u>           | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|------------------------|--------------------------|--------------------------------|---------------|-------------|
| <i>SHELL</i>           | <i>2575 CORBY AVENUE</i> | <i>W 1/8 - 1/4 (0.226 mi.)</i> | <i>N59</i>    | <i>162</i>  |

Database: CUPA SONOMA, Date of Government Version: 12/20/2017  
internal Field: Inactive

## EXECUTIVE SUMMARY

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 [CALSTATES]. 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 27 HIST CORTESE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>  | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|----------------------------------|---------------|-------------|
| <b>REDWOOD OIL COMPANY</b><br>Reg Id: 1B1SO164NUG<br>Reg Id: 1TSR261 | <b>455 YOLANDA AVENUE</b>   | <b>E 0 - 1/8 (0.019 mi.)</b>     | <b>E20</b>    | <b>55</b>   |
| <b>FLYERS ENERGY 3017</b><br>Reg Id: 1TSR052                         | <b>459 YOLANDA AVENUE</b>   | <b>ESE 0 - 1/8 (0.053 mi.)</b>   | <b>F27</b>    | <b>95</b>   |
| <b>CHEVRON #9-6449</b><br>Reg Id: 1TSR210                            | <b>2200 SANTA ROSA AVEN</b> | <b>N 1/4 - 1/2 (0.263 mi.)</b>   | <b>73</b>     | <b>211</b>  |
| <b>EMPIRE SWIFT PLUMBING</b><br>Reg Id: 1TSR172                      | <b>244 COLGAN AVENUE</b>    | <b>N 1/4 - 1/2 (0.458 mi.)</b>   | <b>T94</b>    | <b>272</b>  |
| <b>EMPIRE DIAGNOSTIC</b><br>Reg Id: 1TSR175                          | <b>125 COLGAN AVENUE</b>    | <b>N 1/4 - 1/2 (0.475 mi.)</b>   | <b>T100</b>   | <b>295</b>  |
| <u>Lower Elevation</u>   | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
| <b>MICHAEL'S AUTO</b><br>Reg Id: 1B1SR044NUG<br>Reg Id: 1TSR044      | <b>2642 SANTA ROSA AVEN</b> | <b>WSW 0 - 1/8 (0.028 mi.)</b>   | <b>C23</b>    | <b>87</b>   |
| <b>MALM METAL PRODS INC</b><br>Reg Id: 1TSR256                       | <b>2640 SANTA ROSA AVE</b>  | <b>WSW 0 - 1/8 (0.059 mi.)</b>   | <b>G33</b>    | <b>102</b>  |
| <b>AUTO LIFE CENTER</b><br>Reg Id: 1TSR329                           | <b>2698 SANTA ROSA AVEN</b> | <b>SW 0 - 1/8 (0.066 mi.)</b>    | <b>G34</b>    | <b>114</b>  |
| <b>GROG SHOP</b><br>Reg Id: 1TSR298                                  | <b>2296 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.137 mi.)</b> | <b>39</b>     | <b>120</b>  |
| <b>HEPPER, TOM</b><br>Reg Id: 1TSR099                                | <b>2775 SANTA ROSA AVEN</b> | <b>SSW 1/8 - 1/4 (0.214 mi.)</b> | <b>K50</b>    | <b>140</b>  |
| <b>MANLY MITSUBISHI</b><br>Reg Id: 1TSR271                           | <b>2755 CORBY AVENUE</b>    | <b>WSW 1/8 - 1/4 (0.220 mi.)</b> | <b>L55</b>    | <b>156</b>  |
| <b>S &amp; W INVESTMENTS</b><br>Reg Id: 1TSR012                      | <b>2159 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.221 mi.)</b> | <b>M56</b>    | <b>159</b>  |
| <b>SHELL</b><br>Reg Id: 1TSO135                                      | <b>2575 CORBY AVENUE</b>    | <b>W 1/8 - 1/4 (0.226 mi.)</b>   | <b>N59</b>    | <b>162</b>  |
| <b>JOE'S PERFORMANCE TO</b><br>Reg Id: 1TSR280                       | <b>2151 SANTA ROSA</b>      | <b>NNW 1/8 - 1/4 (0.229 mi.)</b> | <b>M66</b>    | <b>183</b>  |
| <b>AM/PM MINI MART</b><br>Reg Id: 1TSR150                            | <b>440 HEARN AVENUE</b>     | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N71</b>    | <b>197</b>  |
| <b>BIDDULPH CHEVROLET</b><br>Reg Id: 1B1SR116NUG<br>Reg Id: 1TSR116  | <b>2770 CORBY AVE</b>       | <b>SW 1/4 - 1/2 (0.267 mi.)</b>  | <b>74</b>     | <b>213</b>  |
| <b>MANLY HONDA</b><br>Reg Id: 1TSR270                                | <b>2750 CORBY</b>           | <b>WSW 1/4 - 1/2 (0.269 mi.)</b> | <b>O75</b>    | <b>225</b>  |
| <b>STANDARD BRANDS PAIN</b>  | <b>1993 SANTA ROSA AVEN</b> | <b>NNW 1/4 - 1/2 (0.323 mi.)</b> | <b>77</b>     | <b>227</b>  |

## EXECUTIVE SUMMARY

|                                 |                             |                                  |             |            |
|---------------------------------|-----------------------------|----------------------------------|-------------|------------|
| Reg Id: 1TSR314                 |                             |                                  |             |            |
| <b>PRESTIG IMPORTS</b>          | <b>2800 CORBY AVE</b>       | <b>SW 1/4 - 1/2 (0.345 mi.)</b>  | <b>P80</b>  | <b>230</b> |
| Reg Id: 1TSR048                 |                             |                                  |             |            |
| Reg Id: 1B1SR048NUG             |                             |                                  |             |            |
| MEAD CLARK LUMBER SU            | 3RD ST                      | WSW 1/4 - 1/2 (0.367 mi.)        | 82          | 251        |
| Reg Id: 1TSR198                 |                             |                                  |             |            |
| Reg Id: 1TSR016                 |                             |                                  |             |            |
| <b>ZUMWALT MAGRINI USED</b>     | <b>2820 CORBY</b>           | <b>SW 1/4 - 1/2 (0.376 mi.)</b>  | <b>P83</b>  | <b>251</b> |
| Reg Id: 1TSR333                 |                             |                                  |             |            |
| <b>PRESTIGE ACURA</b>           | <b>2840 CORBY AVENUE</b>    | <b>SW 1/4 - 1/2 (0.389 mi.)</b>  | <b>86</b>   | <b>255</b> |
| Reg Id: 1TSR332                 |                             |                                  |             |            |
| <b>YAEGER &amp; KIRK LUMBER</b> | <b>2875 SANTA ROSA</b>      | <b>SSW 1/4 - 1/2 (0.417 mi.)</b> | <b>Q88</b>  | <b>257</b> |
| Reg Id: 1TSR033                 |                             |                                  |             |            |
| <b>ARCO #1318</b>               | <b>1745 SANTA ROSA AVEN</b> | <b>NNW 1/4 - 1/2 (0.440 mi.)</b> | <b>S91</b>  | <b>259</b> |
| Reg Id: 1TSR029                 |                             |                                  |             |            |
| Reg Id: 1B91002NSON             |                             |                                  |             |            |
| <b>FREEMAN TOYOTA</b>           | <b>2875 CORBY</b>           | <b>SSW 1/4 - 1/2 (0.464 mi.)</b> | <b>U97</b>  | <b>288</b> |
| Reg Id: 1TSR124                 |                             |                                  |             |            |
| <b>SMOTHERS VOLVO</b>           | <b>2881 CORBY AVE</b>       | <b>SSW 1/4 - 1/2 (0.473 mi.)</b> | <b>U99</b>  | <b>293</b> |
| Reg Id: 1TSR250                 |                             |                                  |             |            |
| <b>CHEVRON #9-1168</b>          | <b>1715 SANTA ROSA AVEN</b> | <b>NNW 1/4 - 1/2 (0.482 mi.)</b> | <b>S103</b> | <b>297</b> |
| Reg Id: 1TSR102                 |                             |                                  |             |            |

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 12/14/2017 has revealed that there are 20 Notify 65 sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| <b>REDWOOD OIL COMPANY</b>    | <b>455 YOLANDA AVENUE</b>   | <b>E 0 - 1/8 (0.019 mi.)</b>     | <b>E20</b>    | <b>55</b>   |
| <b>FLYERS ENERGY 3017</b>     | <b>459 YOLANDA AVENUE</b>   | <b>ESE 0 - 1/8 (0.053 mi.)</b>   | <b>F27</b>    | <b>95</b>   |
| <b>METAL ENGINEERING</b>      | <b>532 ASTON AVE</b>        | <b>N 1/2 - 1 (0.580 mi.)</b>     | <b>105</b>    | <b>302</b>  |
| <b>BROMLEY PROPERTY</b>       | <b>1500 SANTA ROSA</b>      | <b>N 1/2 - 1 (0.592 mi.)</b>     | <b>W107</b>   | <b>319</b>  |
| <b>TRANSCO TRANSMISSION</b>   | <b>1470 SANTA ROSA AVEN</b> | <b>N 1/2 - 1 (0.626 mi.)</b>     | <b>W108</b>   | <b>325</b>  |
| RINO GAS                      | 1410 SANTA ROSA AVEN        | N 1/2 - 1 (0.645 mi.)            | X110          | 372         |
| RINO GAS                      | 1410 SANTA ROSA AVEN        | N 1/2 - 1 (0.645 mi.)            | X111          | 372         |
| RESIDENCE                     | 1267 CORBY AVE              | NNW 1/2 - 1 (0.772 mi.)          | Y112          | 372         |
| RESIDENCE                     | 1267 CORBY AVE              | NNW 1/2 - 1 (0.772 mi.)          | Y113          | 372         |
| RESIDENCE                     | 1267 CORBY AVE              | NNW 1/2 - 1 (0.772 mi.)          | Y114          | 373         |
| <b>TORVICK INC</b>            | <b>1015 SANTA ROSA AVE</b>  | <b>N 1/2 - 1 (0.960 mi.)</b>     | <b>120</b>    | <b>387</b>  |
| <b>DIBBLES AUTO CENTER</b>    | <b>965 SANTA ROSA AVE</b>   | <b>N 1/2 - 1 (0.988 mi.)</b>     | <b>121</b>    | <b>392</b>  |
| <u>Lower Elevation</u>        | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
| <b>HEPPER, TOM</b>            | <b>2775 SANTA ROSA AVEN</b> | <b>SSW 1/8 - 1/4 (0.214 mi.)</b> | <b>K50</b>    | <b>140</b>  |
| <b>AM/PM MINI MART</b>        | <b>440 HEARN AVENUE</b>     | <b>W 1/8 - 1/4 (0.249 mi.)</b>   | <b>N71</b>    | <b>197</b>  |
| GREG'S AUTOMOTIVE             | DUTTON                      | W 1/4 - 1/2 (0.387 mi.)          | 85            | 254         |
| FORMER ARCO STATION           | 1745 SANAT ROSA AVE         | NNW 1/4 - 1/2 (0.440 mi.)        | S92           | 270         |
| <b>FREEMAN TOYOTA</b>         | <b>2875 CORBY</b>           | <b>SSW 1/4 - 1/2 (0.464 mi.)</b> | <b>U97</b>    | <b>288</b>  |
| MANCINI ESTATE/RUNDE          | 3373 PETALUMA HILL R        | SE 1/4 - 1/2 (0.478 mi.)         | V101          | 297         |

## EXECUTIVE SUMMARY

| <u>Lower Elevation</u>                      | <u>Address</u>                                   | <u>Direction / Distance</u>                                | <u>Map ID</u>      | <u>Page</u>       |
|---|--|--|--------------------|-------------------|
| Not reported<br><b>PRESTIGE LINCOLN MER</b> | 3375 PETALUMA HILL R<br><b>2979 CORBY AVENUE</b> | SE 1/4 - 1/2 (0.481 mi.)<br><b>SSW 1/2 - 1 (0.585 mi.)</b> | V102<br><b>106</b> | 297<br><b>313</b> |

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 10 EDR Hist Auto sites within approximately 0.125 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>  | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------|-----------------------------|---------------|-------------|
| H DONS DRIVESHAFT             | 400 YOLANDA AVE | SE 0 - 1/8 (0.014 mi.)      | D13           | 43          |
| BOBS V W MACHINERY R          | 412 YOLANDA AVE | SE 0 - 1/8 (0.014 mi.)      | D14           | 43          |
| REDWOOD OIL COMPANY           | 455 YOLANDA AVE | E 0 - 1/8 (0.021 mi.)       | E22           | 87          |
| FOREIGN AUTO WERKSTA          | 468 YOLANDA AVE | ESE 0 - 1/8 (0.093 mi.)     | F37           | 117         |

| <u>Lower Elevation</u> | <u>Address</u>      | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|------------------------|---------------------|-----------------------------|---------------|-------------|
| NORTH BAY HONDA SLS    | 2612 SANTA ROSA AVE | W 0 - 1/8 (0.012 mi.)       | C12           | 42          |
| B BILLS AUTO PARTS     | 368 YOLANDA AVE     | S 0 - 1/8 (0.016 mi.)       | B15           | 44          |
| GERRICK STEVE EXXON    | 2642 SANTA ROSA AVE | WSW 0 - 1/8 (0.028 mi.)     | C24           | 92          |
| DAVES AUTO RADIO REP   | 2450 SANTA ROSA AVE | NW 0 - 1/8 (0.052 mi.)      | 25            | 93          |
| NOLAN C R AUTO REPAI   | 2626 SANTA ROSA AVE | WSW 0 - 1/8 (0.059 mi.)     | C32           | 101         |
| AUTO LIFE CENTER AUT   | 2698 SANTA ROSA AVE | SW 0 - 1/8 (0.066 mi.)      | G35           | 116         |

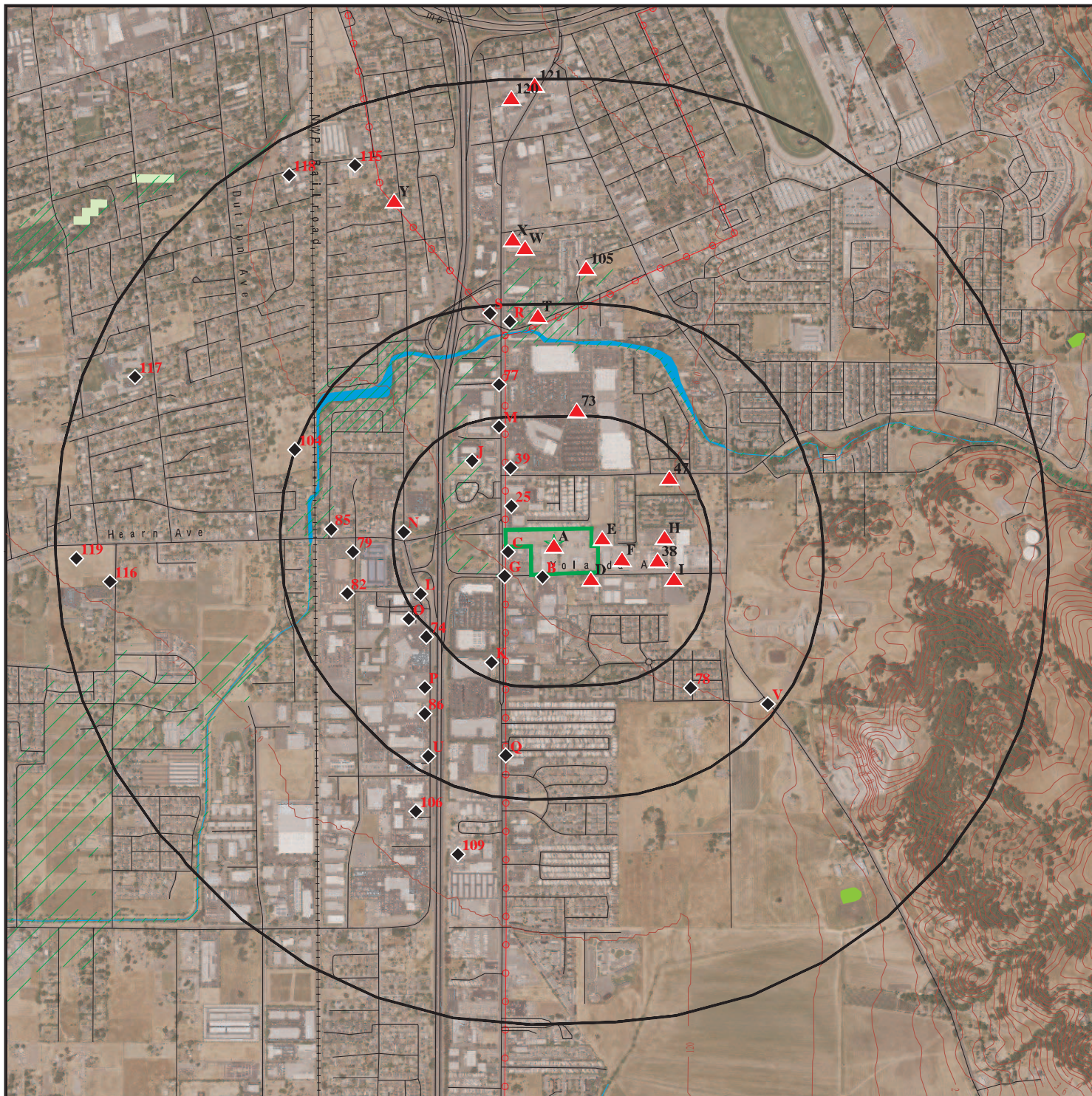
## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

| <u>Site Name</u>                   | <u>Database(s)</u> |
|------------------------------------|--------------------|
| FAST & EASY MART                   | LUST               |
| STEVENSON EQUIPMENT                | LUST               |
| SCDOT/DPW SANTA ROSA AVE STMWTR DR | SLIC               |
| SANTA ROSA DPW SEWER-SANTA ROSA AV | SLIC               |
| SANTA ROSA CITY - SANTA ROSA AVENU | SLIC               |
| SIEMER'S NURSERY (FORMER)          | SLIC               |



# OVERVIEW MAP - 5260394.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

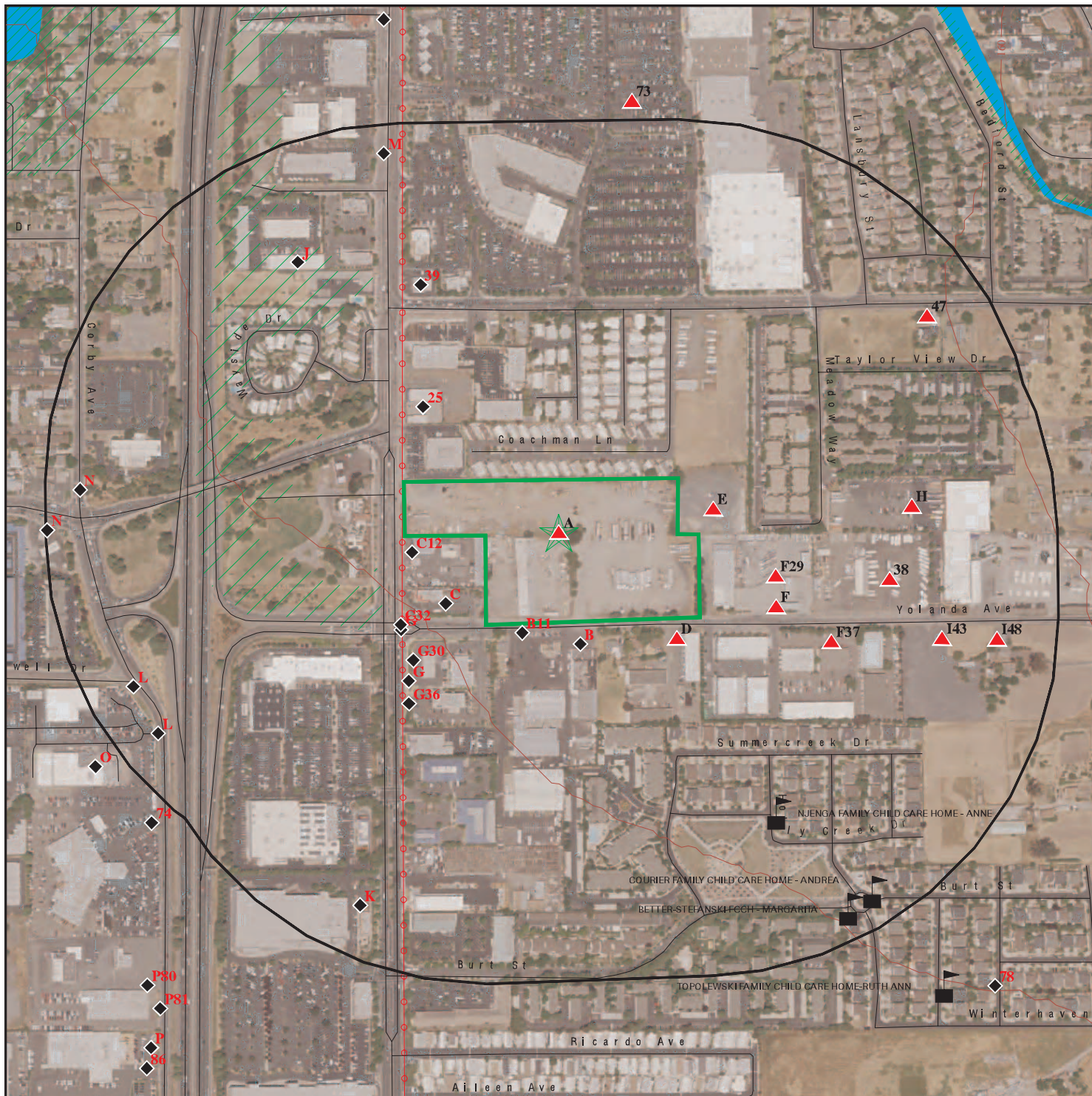









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: 387046  
 ADDRESS: 325 Yolanda Avenue and 2532 Santa Rosa Avenue  
 Santa Rosa CA 95404  
 LAT/LONG: 38.414174 / 122.711349

CLIENT: AEI Consultants  
 CONTACT: Tony Chilese  
 INQUIRY #: 5260394.2s  
 DATE: April 16, 2018 11:21 pm

# DETAIL MAP - 5260394.2S



-  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

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 387046  
 ADDRESS: 325 Yolanda Avenue and 2532 Santa Rosa Avenue  
 Santa Rosa CA 95404  
 LAT/LONG: 38.414174 / 122.711349

CLIENT: AEI Consultants  
 CONTACT: Tony Chilese  
 INQUIRY #: 5260394.2s  
 DATE: April 16, 2018 11:23 pm

## MAP FINDINGS SUMMARY

| Database   | Search<br>Distance<br>(Miles) | Target<br>Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total<br>Plotted |
|--|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| <b>STANDARD ENVIRONMENTAL RECORDS</b>  |                               |                    |       |           |           |         |     |                  |
| <b><i>Federal NPL site list</i></b>  |                               |                    |       |           |           |         |     |                  |
| 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                |
| <b><i>Federal Delisted NPL site list</i></b>                                       |                               |                    |       |           |           |         |     |                  |
| Delisted NPL   | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| <b><i>Federal CERCLIS list</i></b>   |                               |                    |       |           |           |         |     |                  |
| FEDERAL FACILITY   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| SEMS   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal CERCLIS NFRAP site list</i></b>                                      |                               |                    |       |           |           |         |     |                  |
| SEMS-ARCHIVE   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal RCRA CORRACTS facilities list</i></b>                                |                               |                    |       |           |           |         |     |                  |
| CORRACTS   | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| <b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>                        |                               |                    |       |           |           |         |     |                  |
| RCRA-TSDF  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal RCRA generators list</i></b>   |                               |                    |       |           |           |         |     |                  |
| RCRA-LQG   | 0.250                         |                    | 0     | 0         | NR        | NR      | NR  | 0                |
| RCRA-SQG   | 0.250                         |                    | 2     | 5         | NR        | NR      | NR  | 7                |
| RCRA-CESQG   | 0.250                         |                    | 0     | 0         | NR        | NR      | NR  | 0                |
| <b><i>Federal institutional controls /<br/>engineering controls registries</i></b> |                               |                    |       |           |           |         |     |                  |
| 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                |
| <b><i>Federal ERNS list</i></b>  |                               |                    |       |           |           |         |     |                  |
| ERNS   | TP                            |                    | NR    | NR        | NR        | NR      | NR  | 0                |
| <b><i>State- and tribal - equivalent NPL<br/>RESPONSE</i></b>                      |                               |                    |       |           |           |         |     |                  |
| RESPONSE   | 1.000                         |                    | 0     | 0         | 0         | 1       | NR  | 1                |
| <b><i>State- and tribal - equivalent CERCLIS<br/>ENVIROSTOR</i></b>                |                               |                    |       |           |           |         |     |                  |
| ENVIROSTOR   | 1.000                         |                    | 0     | 1         | 1         | 7       | NR  | 9                |
| <b><i>State and tribal landfill and/or<br/>solid waste disposal site lists</i></b> |                               |                    |       |           |           |         |     |                  |
| SWF/LF   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>State and tribal leaking storage tank lists</i></b>                          |                               |                    |       |           |           |         |     |                  |
| LUST   | 0.500                         | 1                  | 7     | 10        | 23        | NR      | NR  | 41               |

## 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                   |                 | 4     | 3         | 3         | NR      | NR  | 10            |
| <b>State and tribal registered storage tank lists</b>       |                         |                 |       |           |           |         |     |               |
| FEMA UST  | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| UST   | 0.250                   |                 | 2     | 3         | NR        | NR      | NR  | 5             |
| AST   | 0.250                   |                 | 1     | 2         | NR        | NR      | NR  | 3             |
| INDIAN UST  | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| <b>State and tribal voluntary cleanup sites</b>             |                         |                 |       |           |           |         |     |               |
| INDIAN VCP  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| VCP   | 0.500                   |                 | 0     | 1         | 0         | NR      | NR  | 1             |
| <b>State and tribal Brownfields sites</b>                   |                         |                 |       |           |           |         |     |               |
| BROWNFIELDS   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>ADDITIONAL ENVIRONMENTAL RECORDS</b>                     |                         |                 |       |           |           |         |     |               |
| <b>Local Brownfield lists</b>                               |                         |                 |       |           |           |         |     |               |
| US BROWNFIELDS  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Local Lists of Landfill / Solid Waste Disposal Sites</b> |                         |                 |       |           |           |         |     |               |
| 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             |
| DEBRIS REGION 9   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| ODI   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| IHS OPEN DUMPS  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Local Lists of Hazardous waste / Contaminated Sites</b>  |                         |                 |       |           |           |         |     |               |
| US HIST CDL   | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| HIST Cal-Sites  | 1.000                   |                 | 0     | 0         | 0         | 1       | NR  | 1             |
| SCH   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| CDL   | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| Toxic Pits  | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| US CDL  | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>Local Lists of Registered Storage Tanks</b>              |                         |                 |       |           |           |         |     |               |
| SWEEPS UST  | 0.250                   | 1               | 1     | 9         | NR        | NR      | NR  | 11            |
| HIST UST  | 0.250                   | 1               | 1     | 8         | NR        | NR      | NR  | 10            |
| CA FID UST  | 0.250                   | 1               | 1     | 6         | NR        | NR      | NR  | 8             |
| <b>Local Land Records</b>                                   |                         |                 |       |           |           |         |     |               |
| 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             |
| <b>Records of Emergency Release Reports</b>                 |                         |                 |       |           |           |         |     |               |
| 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             |
| <b>Other Ascertainable Records</b> |                         |                 |       |           |           |         |     |               |
| RCRA NonGen / NLR                  | 0.250                   |                 | 1     | 3         | NR        | NR      | NR  | 4             |
| 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             |
| ABANDONED MINES                    | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| FINDS                              | TP                      | 1               | NR    | NR        | NR        | NR      | NR  | 1             |
| UXO                                | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| ECHO                               | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| DOCKET HWC                         | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| FUELS PROGRAM                      | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| CA BOND EXP. PLAN                  | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| Cortese                            | 0.500                   |                 | 2     | 0         | 2         | NR      | NR  | 4             |
| CUPA Listings                      | 0.250                   |                 | 0     | 1         | NR        | NR      | NR  | 1             |
| DRYCLEANERS                        | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| EMI                                | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| ENF                                | TP                      | 1               | NR    | NR        | NR        | NR      | NR  | 1             |
| Financial Assurance                | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| HAZNET                             | TP                      | 4               | NR    | NR        | NR        | NR      | NR  | 4             |

## 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 |
|-----------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| ICE             | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| HIST CORTESE    | 0.500                   | 1               | 5     | 7         | 15        | NR      | NR  | 28            |
| HWP             | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| HWT             | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| MINES           | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| MWMP            | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| NPDES           | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| PEST LIC        | TP                      |                 | NR    | NR        | NR        | NR      | NR  | 0             |
| PROC            | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| Notify 65       | 1.000                   |                 | 2     | 2         | 5         | 11      | NR  | 20            |
| 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             |

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

|                  |       |   |    |    |    |    |    |    |
|------------------|-------|---|----|----|----|----|----|----|
| EDR MGP          | 1.000 |   | 0  | 0  | 0  | 0  | NR | 0  |
| EDR Hist Auto    | 0.125 | 1 | 10 | NR | NR | NR | NR | 11 |
| 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 | 1  | NR | NR | NR | NR | NR | 1   |
| - Totals -- |    | 13 | 39 | 61 | 49 | 20 | 0  | 182 |

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1** HULSMAN TRANSPORTATION COMPANY  
**Target** 325 YOLANDA AVENUE  
**Property** SANTA ROSA, CA 95404

**LUST** S104163198  
**ENF** N/A  
**HIST** CORTESE

**Site 1 of 10 in cluster A**

**Actual:**  
**147 ft.**

**LUST:**

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700572](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700572)  
Global Id: T0609700572  
Latitude: 38.4134669764901  
Longitude: -122.711985111237  
Status: Completed - Case Closed  
Status Date: 06/26/2017  
Case Worker: ZZZ  
RB Case Number: 1TSR050  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply, Soil, Well used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Two former diesel USTs and one former gasoline tank. All tanks removed and overexcavated. A and B zone groundwater impacts investigated. Main area of groundwater contamination is under Yolanda Avenue and is commingled with Malm Metal (Gas-spill) plume. Downgradient receptors, i.e. water supply wells, either properly destroyed or not affected by release. Site closed with soil and groundwater management plan due to likely redevelopment into commercial properties.

**LUST:**

Global Id: T0609700572  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700572  
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

**LUST:**

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 07/12/2007  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 02/24/1010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Action: Other Report / Document

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 03/18/2005  
Action: Well Installation Report

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/29/2012  
Action: Staff Letter

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 05/12/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 07/21/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/07/2008  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 05/31/2012  
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 01/05/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 05/09/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/23/2013  
Action: CAP/RAP - Other Report

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/23/2006  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 06/15/2004  
Action: Technical Correspondence / Assistance / Other



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|              |   |
|--------------|---|
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 12/01/2016                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 03/13/2017                                    |
| Action:      | Other Report                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 08/30/2011                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 11/14/2012                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 11/12/2014                                    |
| Action:      | Technical Correspondence / Assistance / Other |
| Global Id:   | T0609700572                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 11/30/2016                                    |
| Action:      | Other Report / Document                       |
| Global Id:   | T0609700572                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 03/31/2017                                    |
| Action:      | Other Report / Document                       |
| Global Id:   | T0609700572                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 03/03/2016                                    |
| Action:      | Request for Closure - Regulator Responded     |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 10/22/2008                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 07/31/2009                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 05/13/2016                                    |
| Action:      | Staff Letter                                  |
| Global Id:   | T0609700572                                   |
| Action Type: | ENFORCEMENT                                   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Date: 02/24/2017  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 10/05/2015  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 05/16/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 01/29/2010  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 01/10/2017  
Action: File Review - Closure

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 02/24/2017  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 01/24/2017  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 05/16/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 04/14/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/29/2014  
Action: Correspondence

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 03/03/2017  
Action: Email Correspondence - Regulator Responded

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 06/01/2017  
Action: Other Report / Document - Regulator Responded

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/25/2017  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 05/30/2017  
Action: Well Destruction Report - Regulator Responded

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 09/10/2009  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/02/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/23/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 04/27/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/28/2017  
Action: Other Report

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 09/23/2014  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 07/02/2013  
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/26/2010  
Action: Staff Letter

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 06/22/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Date: 01/05/2017  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/30/2013  
Action: Other Report / Document

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 05/01/2000  
Action: \* Historical Enforcement

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 11/30/2016  
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 11/28/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 11/08/2011  
Action: Verbal Communication

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 11/30/2016  
Action: Sensitive Receptor Survey Report

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/25/2008  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/16/2010  
Action: File review

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/04/2016  
Action: Site Visit / Inspection / Sampling

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 06/26/2017  
Action: Staff Letter

Global Id: T0609700572  
Action Type: Other  
Date: 09/23/1982  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|              |   |
|--------------|---|
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 11/19/2004  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 07/02/2013  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 10/11/2011  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700572   |
| Action Type: | Other   |
| Date:        | 09/23/1982  |
| Action:      | Leak Reported   |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 02/25/2002  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 05/01/2000  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 09/07/1999  |
| Action:      | Notification - Fee Title Owners Notice                            |
| Global Id:   | T0609700572   |
| Action Type: | ENFORCEMENT   |
| Date:        | 05/05/2003  |
| Action:      | File review   |
| Global Id:   | T0609700572   |
| Action Type: | RESPONSE  |
| Date:        | 02/08/2015  |
| Action:      | Other Report / Document - Regulator Responded                     |
| Global Id:   | T0609700572   |
| Action Type: | RESPONSE  |
| Date:        | 06/27/2016  |
| Action:      | Soil Vapor Intrusion Investigation Workplan - Regulator Responded |
| Global Id:   | T0609700572   |
| Action Type: | RESPONSE  |
| Date:        | 01/16/2017  |
| Action:      | Other Report / Document - Regulator Responded                     |
| Global Id:   | T0609700572   |
| Action Type: | RESPONSE  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Date: 05/12/2017  
Action: Other Workplan - Regulator Responded

Global Id: T0609700572  
Action Type: Other  
Date: 09/23/1982  
Action: Leak Stopped

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 02/13/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 03/02/2017  
Action: Email Correspondence

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 01/30/2012  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 04/02/2012  
Action: Staff Letter

Global Id: T0609700572  
Action Type: REMEDIATION  
Date: 12/18/1991  
Action: Excavation

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/13/2008  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 04/29/2008  
Action: Staff Letter

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 04/29/2008  
Action: Staff Letter

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 06/16/2017  
Action: Request for Closure - Regulator Responded

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 08/05/2016  
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 05/05/2017  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700572  
Action Type: RESPONSE  
Date: 04/03/2017  
Action: Other Report / Document - Regulator Responded

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 05/23/2005  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700572  
Action Type: ENFORCEMENT  
Date: 08/17/2015  
Action: Site Visit / Inspection / Sampling

**LUST:**

Global Id: T0609700572  
Status: Open - Case Begin Date  
Status Date: 09/20/1982

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 05/02/1988

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 11/21/1988

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 08/30/1991

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 12/10/2001

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 03/23/2006

Global Id: T0609700572  
Status: Open - Site Assessment  
Status Date: 05/20/2009

Global Id: T0609700572  
Status: Open - Remediation  
Status Date: 06/21/2013

Global Id: T0609700572  
Status: Open - Eligible for Closure  
Status Date: 01/10/2017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

Global Id: T0609700572  
Status: Completed - Case Closed  
Status Date: 06/26/2017

LUST REG 1:

Region: 1  
Facility ID: 1TSR050  
Staff Initials: JEF

ENF:

Region: 1  
Facility Id: 230820  
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: 38.413157  
Place Longitude: -122.713426  
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



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|                                   |  |
|-----------------------------------|--|
| 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):              | 226757   |
| Region:                           | 1  |
| Order / Resolution Number:        | Not reported                                     |
| Enforcement Action Type:          | 13267 Letter                                     |
| Effective Date:                   | 11/17/2000                                       |
| Adoption/Issuance Date:           | Not reported                                     |
| Achieve Date:                     | Not reported                                     |
| Termination Date:                 | 11/17/2000                                       |
| ACL Issuance Date:                | Not reported                                     |
| EPL Issuance Date:                | Not reported                                     |
| Status:                           | Historical                                       |
| Title:                            | Enforcement - 1B1SR050NUG Hulsman Transportation |
| Description:                      | REPORT OF COMPLETION NEEDED.                     |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported                                     |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 230820   |
| 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:                   | 38.413157  |
| Place Longitude:                  | -122.713426                                      |
| SIC Code 1:                       | Not reported                                     |
| SIC Desc 1:                       | Not reported                                     |
| SIC Code 2:                       | Not reported                                     |
| SIC Desc 2:                       | Not reported                                     |
| SIC Code 3:                       | Not reported                                     |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|                                  |                          |
|----------------------------------|--------------------------|
| 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):             | 226756                   |
| Region:                          | 1                        |
| Order / Resolution Number:       | Not reported             |
| Enforcement Action Type:         | Staff Enforcement Letter |
| Effective Date:                  | 07/31/2000               |
| Adoption/Issuance Date:          | Not reported             |
| Achieve Date:                    | Not reported             |
| Termination Date:                | 07/31/2000               |
| ACL Issuance Date:               | Not reported             |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|                                   |  |
|-----------------------------------|--|
| EPL Issuance Date:                | Not reported                                     |
| Status:                           | Historical                                       |
| Title:                            | Enforcement - 1B1SR050NUG Hulsman Transportation |
| Description:                      | REPORT OF COMPLETION NEEDED.                     |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported                                     |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 230820   |
| 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:                   | 38.413157  |
| Place Longitude:                  | -122.713426                                      |
| 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                                     |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANSPORTATION COMPANY (Continued)**

**S104163198**

|                                   |  |
|-----------------------------------|--|
| 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):              | 226755   |
| Region:                           | 1  |
| Order / Resolution Number:        | Not reported                                     |
| Enforcement Action Type:          | Staff Enforcement Letter                         |
| Effective Date:                   | 05/01/2000                                       |
| Adoption/Issuance Date:           | Not reported                                     |
| Achieve Date:                     | Not reported                                     |
| Termination Date:                 | 05/01/2000                                       |
| ACL Issuance Date:                | Not reported                                     |
| EPL Issuance Date:                | Not reported                                     |
| Status:                           | Historical                                       |
| Title:                            | Enforcement - 1B1SR050NUG Hulsman Transportation |
| Description:                      | REPORT OF COMPLETION NEEDED.                     |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported                                     |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |

**HIST CORTESE:**

|                       |         |
|-----------------------|---------|
| Region:               | CORTESE |
| Facility County Code: | 49      |
| Reg By:               | LTNKA   |
| Reg Id:               | 1TSR050 |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2**  
**Target**  
**Property**

**MATHESON FREIGHT INC**  
**325 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**HAZNET** **S113148347**  
**N/A**

**Site 2 of 10 in cluster A**

**Actual:**  
**147 ft.**

**HAZNET:**

envid: S113148347  
Year: 2008  
GEPaid: CAL000321721  
Contact: PAUL BIONDI-OPS MGR  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 9785 GOETHE RD  
Mailing City,St,Zip: SACRAMENTO, CA 958273559  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.102  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 00

envid: S113148347  
Year: 2008  
GEPaid: CAL000321721  
Contact: PAUL BIONDI-OPS MGR  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 9785 GOETHE RD  
Mailing City,St,Zip: SACRAMENTO, CA 958273559  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Liquids with pH <= 2  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0417  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: 00

envid: S113148347  
Year: 2007  
GEPaid: CAL000321721  
Contact: PAUL BIONDI-OPS MGR  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 325 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046320  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MATHESON FREIGHT INC (Continued)**

**S113148347**

Tons: 0.11  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma  
  
envid: S113148347  
Year: 2007  
GEPaid: CAL000321721  
Contact: PAUL BIONDI-OPS MGR  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 325 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046320  
Gen County: Not reported  
TSD EPA ID: TXD077603371  
TSD County: Not reported  
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)  
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site  
Tons: 0.76  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S113148347  
Year: 2007  
GEPaid: CAL000321721  
Contact: PAUL BIONDI-OPS MGR  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 325 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046320  
Gen County: Not reported  
TSD EPA ID: CAD980884183  
TSD County: Not reported  
Waste Category: Off-specification, aged or surplus organics  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.45  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
1 additional CA\_HAZNET: record(s) in the EDR Site Report.

**A3** **HULSMAN TRANS**  
**Target** **325 YOLANDA AVE**  
**Property** **SANTA ROSA, CA 95402**

**SWEEPS UST** **S101627240**  
**CA FID UST** **N/A**

**Site 3 of 10 in cluster A**

**Actual:** **147 ft.** **SWEEPS UST:**  
Status: Active  
Comp Number: 12134  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 07-01-85  
Action Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HULSMAN TRANS (Continued)**

**S101627240**

Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-012134-000001  
Tank Status: A  
Capacity: 8000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: 3

Status: Active  
Comp Number: 12134  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-012134-000002  
Tank Status: A  
Capacity: 4000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 12134  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-012134-000003  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

CA FID UST:  
Facility ID: 49000161  
Regulated By: UTNKA  
Regulated ID: 00012134  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075461086  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95402  
Contact: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HULSMAN TRANS (Continued)**

**S101627240**

Contact Phone: Not reported  
 DUNs Number: Not reported  
 NPDES Number: Not reported  
 EPA ID: Not reported  
 Comments: Not reported  
 Status: Active

**A4  
 Target  
 Property**

**HULSMAN TRANSPORTATION COMPANY  
 325 YOLANDA AVENUE  
 SANTA ROSA, CA**

**RGA LUST**

**S114633939  
 N/A**

**Site 4 of 10 in cluster A**

**Actual:  
 147 ft.**

RGA LUST:

|      |                                |                    |
|------|--------------------------------|--------------------|
| 2012 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2011 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2010 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2009 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2008 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2007 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2006 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2005 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2003 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2002 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2001 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 2000 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1998 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1997 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1996 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1995 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1994 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1993 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |
| 1992 | HULSMAN TRANSPORTATION COMPANY | 325 YOLANDA AVENUE |

**A5  
 Target  
 Property**

**AUTOKRAFT  
 325 YOLANDA AVE  
 SANTA ROSA, CA 95404**

**EDR Hist Auto**

**1014183999  
 N/A**

**Site 5 of 10 in cluster A**

**Actual:  
 147 ft.**

EDR Hist Auto

| Year: | Name:        | Type:                           |
|-------|--------------|---------------------------------|
| 1987  | MAJOR DIESEL | AUTOMOBILE REPAIRING            |
| 1988  | MAJOR DIESEL | General Automotive Repair Shops |
| 1989  | MAJOR DIESEL | Engine Repair                   |
| 1990  | AUTOKRAFT    | AUTOMOBILE REPAIRING            |
| 1990  | MAJOR DIESEL | AUTOMOBILE REPAIRING            |
| 1990  | MAJOR DIESEL | Engine Repair                   |
| 1991  | MAJOR DIESEL | Engine Repair                   |
| 1992  | MAJOR DIESEL | Engine Repair                   |
| 1993  | MAJOR DIESEL | Engine Repair                   |
| 1994  | MAJOR DIESEL | Engine Repair                   |
| 1995  | MAJOR DIESEL | Engine Repair                   |
| 1996  | MAJOR DIESEL | Engine Repair                   |
| 1997  | MAJOR DIESEL | Engine Repair                   |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTOKRAFT (Continued)**

**1014183999**

|      |              |               |
|------|--------------|---------------|
| 1998 | MAJOR DIESEL | Engine Repair |
| 1999 | MAJOR DIESEL | Engine Repair |
| 2000 | MAJOR DIESEL | Engine Repair |
| 2001 | MAJOR DIESEL | Engine Repair |
| 2002 | MAJOR DIESEL | Engine Repair |
| 2003 | MAJOR DIESEL | Engine Repair |
| 2004 | MAJOR DIESEL | Engine Repair |
| 2005 | MAJOR DIESEL | Engine Repair |
| 2006 | MAJOR DIESEL | Engine Repair |
| 2007 | MAJOR DIESEL | Engine Repair |
| 2008 | MAJOR DIESEL | Engine Repair |

**A6** **HULSMAN TRANSPORTATION**  
**Target** **325 YOLANDA**  
**Property** **SANTA ROSA, CA 95407**

**FINDS** **1023252918**  
**N/A**

**Site 6 of 10 in cluster A**

**Actual:**  
**147 ft.**

FINDS:

Registry ID: 110065417105

Environmental Interest/Information System  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A7** **CHAIN ENTERPRISES**  
**Target** **325 YOLANDA AVE**  
**Property** **SANTA ROSA, CA 95404**

**HAZNET** **S113129567**  
**N/A**

**Site 7 of 10 in cluster A**

**Actual:**  
**147 ft.**

HAZNET:

envid: S113129567  
Year: 2004  
GEPaid: CAL000277184  
Contact: STEVEN CHAIN  
Telephone: 7075441376  
Mailing Name: Not reported  
Mailing Address: PO BOX 1901  
Mailing City,St,Zip: WINDSOR, CA 95492  
Gen County: Not reported  
TSD EPA ID: CAL000161748  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 1.81  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S113129567  
Year: 2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAIN ENTERPRISES (Continued)**

**S113129567**

GEPaid: CAL000277184  
Contact: STEVEN CHAIN  
Telephone: 7075441376  
Mailing Name: Not reported  
Mailing Address: PO BOX 1901  
Mailing City,St,Zip: WINDSOR, CA 95492  
Gen County: Not reported  
TSD EPA ID: CAL000161743  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 37.35  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

**A8**  
**Target**  
**Property**

**MAJOR DIESEL**  
**325 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**HAZNET** **S113042373**  
**N/A**

**Site 8 of 10 in cluster A**

**Actual:**  
**147 ft.**

HAZNET:  
envid: S113042373  
Year: 2000  
GEPaid: CAL000050356  
Contact: GARY W HOPPE-OWNER  
Telephone: 7078299518  
Mailing Name: Not reported  
Mailing Address: PO BOX 1403  
Mailing City,St,Zip: SEBASTOPOL, CA 954731403  
Gen County: Not reported  
TSD EPA ID: CAL000161743  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Tons: 0.43  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

**A9**  
**Target**  
**Property**

**MATHESON FASTFRIEIGHT INC**  
**3250 YOLANDA AVE**  
**SANTA ROSA, CA 95407**

**HAZNET** **S112934037**  
**N/A**

**Site 9 of 10 in cluster A**

**Actual:**  
**147 ft.**

HAZNET:  
envid: S112934037  
Year: 2006  
GEPaid: CAC002572081  
Contact: DON FERNANDEZ  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 3250 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 95407

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MATHESON FASTFRIEGHT INC (Continued)**

**S112934037**

Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Transfer Station  
Tons: 0.09  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S112934037  
Year: 2006  
GEPaid: CAC002572081  
Contact: DON FERNANDEZ  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 3250 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 95407  
Gen County: Not reported  
TSD EPA ID: NVD980895338  
TSD County: Not reported  
Waste Category: Unspecified solvent mixture  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.08  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S112934037  
Year: 2006  
GEPaid: CAC002572081  
Contact: DON FERNANDEZ  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 3250 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 95407  
Gen County: Not reported  
TSD EPA ID: NVD980895338  
TSD County: Not reported  
Waste Category: Unspecified alkaline solution  
Disposal Method: Neutralization Only  
Tons: 0.08  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S112934037  
Year: 2006  
GEPaid: CAC002572081  
Contact: DON FERNANDEZ  
Telephone: 7075730622  
Mailing Name: Not reported  
Mailing Address: 3250 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 95407  
Gen County: Not reported  
TSD EPA ID: CAD059494310

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MATHESON FASTFRIEGHT INC (Continued)**

**S112934037**

TSD County: Not reported  
 Waste Category: Unspecified organic liquid mixture  
 Disposal Method: Transfer Station  
 Tons: 0.04  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: Sonoma

envid: S112934037  
 Year: 2006  
 GEPAID: CAC002572081  
 Contact: DON FERNANDEZ  
 Telephone: 7075730622  
 Mailing Name: Not reported  
 Mailing Address: 3250 YOLANDA AVE  
 Mailing City,St,Zip: SANTA ROSA, CA 95407  
 Gen County: Not reported  
 TSD EPA ID: CAD059494310  
 TSD County: Not reported  
 Waste Category: Alkaline solution without metals pH >= 12.5  
 Disposal Method: Treatment, Tank  
 Tons: 0.07  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
 1 additional CA\_HAZNET: record(s) in the EDR Site Report.

**A10  
 Target  
 Property**

**HULSMAN TRANS  
 325 YOLANDA AVE  
 SANTA ROSA, CA 95402**

**HIST UST U001609358  
 N/A**

**Site 10 of 10 in cluster A**

**Actual:  
 147 ft.**

HIST UST:  
 File Number: 00021954  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021954.pdf>  
 Region: STATE  
 Facility ID: 00000012134  
 Facility Type: Other  
 Other Type: TRUCKING CO.  
 Contact Name: LARRY HULSMAN  
 Telephone: 7075461086  
 Owner Name: HULSMAN LEASING CO.  
 Owner Address: 325 YOLANDA AVE  
 Owner City,St,Zip: SANTA ROSA, CA 95402  
 Total Tanks: 0003

Tank Num: 001  
 Container Num: 1  
 Year Installed: Not reported  
 Tank Capacity: 00008000  
 Tank Used for: PRODUCT  
 Type of Fuel: DIESEL  
 Container Construction Thickness: Not reported  
 Leak Detection: Visual, Stock Inventor

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HULSMAN TRANS (Continued)**

**U001609358**

Tank Num: 002  
 Container Num: 2  
 Year Installed: Not reported  
 Tank Capacity: 00004000  
 Tank Used for: PRODUCT  
 Type of Fuel: DIESEL  
 Container Construction Thickness: Not reported  
 Leak Detection: Visual, Stock Inventor

Tank Num: 003  
 Container Num: 3  
 Year Installed: Not reported  
 Tank Capacity: 00000500  
 Tank Used for: WASTE  
 Type of Fuel: WASTE OIL  
 Container Construction Thickness: Not reported  
 Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

**B11**  
**SSW**  
**< 1/8**  
**0.006 mi.**  
**34 ft.**

**MALM FIREPLACES**  
**326 & 368 YOLANDA AVENUE**  
**SANTA ROSA, CA 95407**

**Cortese** **S110985146**  
**EMI** **N/A**  
**ENF**

**Site 1 of 3 in cluster B**

**Relative:**  
**Lower**  
**Actual:**  
**143 ft.**

**CORTESE:**  
 Region: CORTESE  
 Envirostor Id: Not reported  
 Site/Facility Type: Not reported  
 Cleanup Status: Not reported  
 Status Date: Not reported  
 Site Code: Not reported  
 Latitude: Not reported  
 Longitude: Not reported  
 Owner: Not reported  
 Enf Type: Not reported  
 Swat R: Not reported  
 Flag: CORTESE  
 Order No: Not reported  
 Waste Discharge System No: Not reported  
 Effective Date: 03/01/1999  
 Region 2: 1  
 WID Id: 1B1SR354NSL  
 Solid Waste Id No: Not reported  
 Waste Management Uit Name: Not reported  
 File Name: Cease Desist Orders & Cleanup Abatement Orders

Region: CORTESE  
 Envirostor Id: Not reported  
 Site/Facility Type: Not reported  
 Cleanup Status: Not reported  
 Status Date: Not reported  
 Site Code: Not reported  
 Latitude: Not reported  
 Longitude: Not reported  
 Owner: Not reported  
 Enf Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

Swat R: Not reported  
Flag: CORTESE  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: 03/01/1999  
Region 2: 1  
WID Id: 1B1SR354NSL  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Cease Desist Orders & Cleanup Abatement Orders

**EMI:**

Year: 2013  
County Code: 49  
Air Basin: SF  
Facility ID: 13085  
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: 0.197  
Reactive Organic Gases Tons/Yr: 0.1807118  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2014  
County Code: 49  
Air Basin: SF  
Facility ID: 13085  
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: 0.197115004  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

**ENF:**

Region: 1  
Facility Id: 239274  
Agency Name: Crownover, Glen & Joyce  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: Industrial  
Agency Type: Privately-Individual  
# Of Agencies: 1  
Place Latitude: 38.4132

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                  |              |
|----------------------------------|--------------|
| Place Longitude:                 | -122.71185   |
| SIC Code 1:                      | Not reported |
| SIC Desc 1:                      | Not reported |
| SIC Code 2:                      | Not reported |
| SIC Desc 2:                      | Not reported |
| SIC Code 3:                      | Not reported |
| SIC Desc 3:                      | Not reported |
| NAICS Code 1:                    | Not reported |
| NAICS Desc 1:                    | Not reported |
| NAICS Code 2:                    | Not reported |
| NAICS Desc 2:                    | Not reported |
| NAICS Code 3:                    | Not reported |
| NAICS Desc 3:                    | Not reported |
| # Of Places:                     | 1            |
| Source Of Facility:              | Reg Meas     |
| Design Flow:                     | Not reported |
| Threat To Water Quality:         | Not reported |
| Complexity:                      | Not reported |
| Pretreatment:                    | Not reported |
| Facility Waste Type:             | Not reported |
| Facility Waste Type 2:           | Not reported |
| Facility Waste Type 3:           | Not reported |
| Facility Waste Type 4:           | Not reported |
| Program:                         | SLIC         |
| Program Category1:               | TANKS        |
| Program Category2:               | TANKS        |
| # Of Programs:                   | 1            |
| WDID:                            | 1B1SR354NSL  |
| Reg Measure Id:                  | 166437       |
| Reg Measure Type:                | Unregulated  |
| Region:                          | 1            |
| 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:                          | Active       |
| Status Date:                     | 07/12/2011   |
| Effective Date:                  | 03/01/1999   |
| Expiration/Review Date:          | Not reported |
| Termination Date:                | Not reported |
| WDR Review - Amend:              | Not reported |
| WDR Review - Revise/Renew:       | Not reported |
| WDR Review - Rescind:            | Not reported |
| WDR Review - No Action Required: | Not reported |
| WDR Review - Pending:            | Not reported |
| WDR Review - Planned:            | Not reported |
| Status Enrollee:                 | N            |
| Individual/General:              | I            |
| Fee Code:                        | Not reported |
| Direction/Voice:                 | Passive      |
| Enforcement Id(EID):             | 340940       |
| Region:                          | 1            |
| Order / Resolution Number:       | R1-2007-0014 |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Enforcement Action Type:          | Clean-up and Abatement Order         |
| Effective Date:                   | 03/09/2007                           |
| Adoption/Issuance Date:           | 03/09/2007                           |
| Achieve Date:                     | Not reported                         |
| Termination Date:                 | Not reported                         |
| ACL Issuance Date:                | Not reported                         |
| EPL Issuance Date:                | Not reported                         |
| Status:                           | Active                               |
| Title:                            | CAO R1-2007-0014 for Malm Fireplaces |
| Description:                      | Not reported                         |
| Program:                          | SLIC                                 |
| Latest Milestone Completion Date: | Not reported                         |
| # Of Programs1:                   | 1                                    |
| Total Assessment Amount:          | \$0.00                               |
| Initial Assessed Amount:          | \$0.00                               |
| Liability \$ Amount:              | \$0.00                               |
| Project \$ Amount:                | \$0.00                               |
| Liability \$ Paid:                | \$0.00                               |
| Project \$ Completed:             | \$0.00                               |
| Total \$ Paid/Completed Amount:   | \$0.00                               |
| Region:                           | 1                                    |
| Facility Id:                      | 239274                               |
| Agency Name:                      | Crownover, Glen & Joyce              |
| Place Type:                       | Manufacturing                        |
| Place Subtype:                    | Manufacturing NEC                    |
| Facility Type:                    | Industrial                           |
| Agency Type:                      | Privately-Individual                 |
| # Of Agencies:                    | 1                                    |
| Place Latitude:                   | 38.4132                              |
| Place Longitude:                  | -122.71185                           |
| SIC Code 1:                       | Not reported                         |
| SIC Desc 1:                       | Not reported                         |
| SIC Code 2:                       | Not reported                         |
| SIC Desc 2:                       | Not reported                         |
| SIC Code 3:                       | Not reported                         |
| SIC Desc 3:                       | Not reported                         |
| NAICS Code 1:                     | Not reported                         |
| NAICS Desc 1:                     | Not reported                         |
| NAICS Code 2:                     | Not reported                         |
| NAICS Desc 2:                     | Not reported                         |
| NAICS Code 3:                     | Not reported                         |
| NAICS Desc 3:                     | Not reported                         |
| # Of Places:                      | 1                                    |
| Source Of Facility:               | Reg Meas                             |
| Design Flow:                      | Not reported                         |
| Threat To Water Quality:          | Not reported                         |
| Complexity:                       | Not reported                         |
| Pretreatment:                     | Not reported                         |
| Facility Waste Type:              | Not reported                         |
| Facility Waste Type 2:            | Not reported                         |
| Facility Waste Type 3:            | Not reported                         |
| Facility Waste Type 4:            | Not reported                         |
| Program:                          | SLIC                                 |
| Program Category1:                | TANKS                                |
| Program Category2:                | TANKS                                |
| # Of Programs:                    | 1                                    |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

WDID: 1B1SR354NSL  
Reg Measure Id: 166437  
Reg Measure Type: Unregulated  
Region: 1  
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: Active  
Status Date: 07/12/2011  
Effective Date: 03/01/1999  
Expiration/Review Date: Not reported  
Termination Date: Not reported  
WDR Review - Amend: Not reported  
WDR Review - Revise/Renew: Not reported  
WDR Review - Rescind: Not reported  
WDR Review - No Action Required: Not reported  
WDR Review - Pending: Not reported  
WDR Review - Planned: Not reported  
Status Enrollee: N  
Individual/General: I  
Fee Code: Not reported  
Direction/Voice: Passive  
Enforcement Id(EID): 340934  
Region: 1  
Order / Resolution Number: R1-2001-0044  
Enforcement Action Type: Clean-up and Abatement Order  
Effective Date: 05/11/2001  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 03/08/2007  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: CAO R1-2001-0044 for Malm Fireplaces  
Description: Not reported  
Program: SLIC  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00  
  
Region: 1  
Facility Id: 239274  
Agency Name: Crownover, Glen & Joyce  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: Industrial

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                  |                      |
|----------------------------------|----------------------|
| Agency Type:                     | Privately-Individual |
| # Of Agencies:                   | 1                    |
| Place Latitude:                  | 38.4132              |
| Place Longitude:                 | -122.71185           |
| SIC Code 1:                      | Not reported         |
| SIC Desc 1:                      | Not reported         |
| SIC Code 2:                      | Not reported         |
| SIC Desc 2:                      | Not reported         |
| SIC Code 3:                      | Not reported         |
| SIC Desc 3:                      | Not reported         |
| NAICS Code 1:                    | Not reported         |
| NAICS Desc 1:                    | Not reported         |
| NAICS Code 2:                    | Not reported         |
| NAICS Desc 2:                    | Not reported         |
| NAICS Code 3:                    | Not reported         |
| NAICS Desc 3:                    | Not reported         |
| # Of Places:                     | 1                    |
| Source Of Facility:              | Reg Meas             |
| Design Flow:                     | Not reported         |
| Threat To Water Quality:         | Not reported         |
| Complexity:                      | Not reported         |
| Pretreatment:                    | Not reported         |
| Facility Waste Type:             | Not reported         |
| Facility Waste Type 2:           | Not reported         |
| Facility Waste Type 3:           | Not reported         |
| Facility Waste Type 4:           | Not reported         |
| Program:                         | SLIC                 |
| Program Category1:               | TANKS                |
| Program Category2:               | TANKS                |
| # Of Programs:                   | 1                    |
| WDID:                            | 1B1SR354NSL          |
| Reg Measure Id:                  | 166437               |
| Reg Measure Type:                | Unregulated          |
| Region:                          | 1                    |
| 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:                          | Active               |
| Status Date:                     | 07/12/2011           |
| Effective Date:                  | 03/01/1999           |
| Expiration/Review Date:          | Not reported         |
| Termination Date:                | Not reported         |
| WDR Review - Amend:              | Not reported         |
| WDR Review - Revise/Renew:       | Not reported         |
| WDR Review - Rescind:            | Not reported         |
| WDR Review - No Action Required: | Not reported         |
| WDR Review - Pending:            | Not reported         |
| WDR Review - Planned:            | Not reported         |
| Status Enrollee:                 | N                    |
| Individual/General:              | I                    |
| Fee Code:                        | Not reported         |
| Direction/Voice:                 | Passive              |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

Enforcement Id(EID): 226683  
Region: 1  
Order / Resolution Number: R1-2000-0083  
Enforcement Action Type: Clean-up and Abatement Order  
Effective Date: 11/14/2000  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 05/11/2001  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: CAO R1-2000-0083 for Malm Fireplaces  
Description: Not reported  
Program: SLIC  
Latest Milestone Completion Date: 2001-05-11  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

Region: 1  
Facility Id: 239274  
Agency Name: Not reported  
Place Type: Manufacturing  
Place Subtype: Manufacturing NEC  
Facility Type: Industrial  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.4132  
Place Longitude: -122.71185  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                   |                             |
|-----------------------------------|-----------------------------|
| 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):              | 351534                      |
| Region:                           | 1                           |
| Order / Resolution Number:        | Not reported                |
| Enforcement Action Type:          | Notice of Violation         |
| Effective Date:                   | 08/29/2008                  |
| Adoption/Issuance Date:           | Not reported                |
| Achieve Date:                     | Not reported                |
| Termination Date:                 | Not reported                |
| ACL Issuance Date:                | Not reported                |
| EPL Issuance Date:                | Not reported                |
| Status:                           | Active                      |
| Title:                            | 1B1SR354NSL Malm Fireplaces |
| Description:                      | Not reported                |
| Program:                          | SLIC                        |
| Latest Milestone Completion Date: | Not reported                |
| # Of Programs1:                   | 1                           |
| Total Assessment Amount:          | \$0.00                      |
| Initial Assessed Amount:          | \$0.00                      |
| Liability \$ Amount:              | \$0.00                      |
| Project \$ Amount:                | \$0.00                      |
| Liability \$ Paid:                | \$0.00                      |
| Project \$ Completed:             | \$0.00                      |
| Total \$ Paid/Completed Amount:   | \$0.00                      |
| Region:                           | 1                           |
| Facility Id:                      | 239274                      |
| Agency Name:                      | Not reported                |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                  |                   |
|----------------------------------|-------------------|
| Place Type:                      | Manufacturing     |
| Place Subtype:                   | Manufacturing NEC |
| Facility Type:                   | Industrial        |
| Agency Type:                     | Not reported      |
| # Of Agencies:                   | Not reported      |
| Place Latitude:                  | 38.4132           |
| Place Longitude:                 | -122.71185        |
| 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      |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                   |   |
|-----------------------------------|---|
| Individual/General:               | Not reported                              |
| Fee Code:                         | Not reported                              |
| Direction/Voice:                  | Not reported                              |
| Enforcement Id(EID):              | 372384                                    |
| Region:                           | 1   |
| Order / Resolution Number:        | Not reported                              |
| Enforcement Action Type:          | Notice of Violation                       |
| Effective Date:                   | 12/02/2009                                |
| Adoption/Issuance Date:           | Not reported                              |
| Achieve Date:                     | Not reported                              |
| Termination Date:                 | Not reported                              |
| ACL Issuance Date:                | Not reported                              |
| EPL Issuance Date:                | Not reported                              |
| Status:                           | Active                                    |
| Title:                            | Enforcement - 1B1SR354NSL Malm Fireplaces |
| Description:                      | Not reported                              |
| Program:                          | SLIC                                      |
| Latest Milestone Completion Date: | Not reported                              |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00                                    |
| Initial Assessed Amount:          | \$0.00                                    |
| Liability \$ Amount:              | \$0.00                                    |
| Project \$ Amount:                | \$0.00                                    |
| Liability \$ Paid:                | \$0.00                                    |
| Project \$ Completed:             | \$0.00                                    |
| Total \$ Paid/Completed Amount:   | \$0.00                                    |
| Region:                           | 1   |
| Facility Id:                      | 239274                                    |
| Agency Name:                      | Not reported                              |
| Place Type:                       | Manufacturing                             |
| Place Subtype:                    | Manufacturing NEC                         |
| Facility Type:                    | Industrial                                |
| Agency Type:                      | Not reported                              |
| # Of Agencies:                    | Not reported                              |
| Place Latitude:                   | 38.4132                                   |
| Place Longitude:                  | -122.71185                                |
| 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                              |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                   |   |
|-----------------------------------|---|
| 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):              | 248738  |
| Region:                           | 1   |
| Order / Resolution Number:        | Not reported  |
| Enforcement Action Type:          | Staff Enforcement Letter                                |
| Effective Date:                   | 09/08/2003  |
| Adoption/Issuance Date:           | Not reported  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 09/09/2003  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR354NSL Malm Fireplaces               |
| Description:                      | SUBMIT WORKPLAN FOR IMMEDIATE REMEDIATION OF THE TREAT. |
| Program:                          | SLIC  |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                  |                   |
|----------------------------------|-------------------|
| Region:                          | 1                 |
| Facility Id:                     | 239274            |
| Agency Name:                     | Not reported      |
| Place Type:                      | Manufacturing     |
| Place Subtype:                   | Manufacturing NEC |
| Facility Type:                   | Industrial        |
| Agency Type:                     | Not reported      |
| # Of Agencies:                   | Not reported      |
| Place Latitude:                  | 38.4132           |
| Place Longitude:                 | -122.71185        |
| 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      |



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MALM FIREPLACES (Continued)**

**S110985146**

|                                   |  |
|-----------------------------------|--|
| 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):              | 375156   |
| Region:                           | 1  |
| Order / Resolution Number:        | R1-2010-0059   |
| Enforcement Action Type:          | Admin Civil Liability                                |
| Effective Date:                   | 06/23/2010   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 07/28/2010   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR354NSL Malm Fireplaces Inc.       |
| Description:                      | ACL Hearing was cancelled and ACL dismissed 7/28/10. |
| Program:                          | SLIC   |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$774,511.0  |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |

**C12**  
**West**  
 < 1/8  
 0.012 mi.  
 61 ft.

**NORTH BAY HONDA SLS & SERV**  
**2612 SANTA ROSA AVE**  
**SANTA ROSA, CA 95401**

**EDR Hist Auto 1014181166**  
**N/A**

**Site 1 of 4 in cluster C**

**Relative:** EDR Hist Auto  
**Lower**

**Actual:**  
**142 ft.**

| Year: | Name:                          | Type:                            |
|-------|--------------------------------|----------------------------------|
| 1976  | HONDA OF SANTA ROSA SLS & SERV | MOTORCYCLE DEALERS AND REPAIRERS |
| 1987  | MANLY HONDA OF SANTA ROSA SIS  | MOTORCYCLE DEALERS AND REPAIRERS |
| 1990  | NORTH BAY HONDA SLS & SERV     | MOTORCYCLE DEALERS AND REPAIRERS |
| 2000  | CALRICH AUTOMOTIVE SERVICES    | General Automotive Repair Shops  |
| 2000  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2001  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2002  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2003  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2004  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2005  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2006  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2007  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2008  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2009  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2010  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2011  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2012  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2013  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |
| 2014  | HINKOS AUTO PERFORMANCE        | General Automotive Repair Shops  |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D13**      **H DONS DRIVESHAFT**      **EDR Hist Auto**      **1014166007**  
**SE**      **400 YOLANDA AVE**           **N/A**  
**< 1/8**      **SANTA ROSA, CA 95404**  
**0.014 mi.**  
**72 ft.**      **Site 1 of 2 in cluster D**

**Relative:**      EDR Hist Auto  
**Higher**

| Actual:<br>147 ft. | Year: | Name:                           | Type:                                 |
|--------------------|-------|---------------------------------|---------------------------------------|
|                    | 1987  | DONS DRIVESHAFT                 | Industrial Machinery, NEC             |
|                    | 1988  | DONS DRIVESHAFT                 | Industrial Machinery, NEC             |
|                    | 1989  | R&S RADIATOR & AUTOMOTIVE       | Powertrain Components Repair Services |
|                    | 1990  | D R & S RADIATOR & AIR CONDT SE | RADIATOR REPAIRERS-AUTOMOBILE         |
|                    | 1990  | D R & S RADIATOR & AIR CONDT SE | AUTOMOBILE REPAIRING                  |
|                    | 1990  | H DONS DRIVESHAFT               | AUTOMOBILE REPAIRING                  |
|                    | 1990  | DONS DRIVESHAFT                 | Automotive Supplies And Parts         |
|                    | 1990  | R&S RADIATOR & AUTOMOTIVE       | Powertrain Components Repair Services |
|                    | 1991  | R&S RADIATOR & AUTOMOTIVE       | Powertrain Components Repair Services |
|                    | 1991  | DONS DRIVESHAFT                 | Automotive Supplies And Parts         |
|                    | 1992  | R&S RADIATOR & AUTOMOTIVE       | Powertrain Components Repair Services |
|                    | 1992  | DONS DRIVESHAFT                 | Automotive Supplies And Parts         |
|                    | 1993  | DONS DRIVESHAFT                 | Automotive Supplies And Parts         |
|                    | 1994  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 1994  | DONS DRIVESHAFT                 | Automotive Supplies And Parts         |
|                    | 1995  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 1996  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 1997  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 1998  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 1999  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2000  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2001  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2002  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2003  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2004  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2005  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2006  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2007  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2008  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2009  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2010  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2011  | KELLY WINKLEBAUER AUTO RE       | General Automotive Repair Shops       |
|                    | 2011  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2012  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2012  | KELLY WINKLEBAUER AUTO RE       | General Automotive Repair Shops       |
|                    | 2013  | AUTOKRAFT                       | General Automotive Repair Shops       |
|                    | 2013  | KELLY WINKLEBAUER AUTO RE       | General Automotive Repair Shops       |

**D14**      **BOBS V W MACHINERY REPR**      **EDR Hist Auto**      **1014175101**  
**SE**      **412 YOLANDA AVE**           **N/A**  
**< 1/8**      **SANTA ROSA, CA 95404**  
**0.014 mi.**  
**73 ft.**      **Site 2 of 2 in cluster D**

**Relative:**      EDR Hist Auto  
**Higher**

| Actual:<br>147 ft. | Year: | Name:                   | Type:                           |
|--------------------|-------|-------------------------|---------------------------------|
|                    | 1988  | BOBS V W MACHINERY      | General Automotive Repair Shops |
|                    | 1989  | BOBS                    | General Automotive Repair Shops |
|                    | 1989  | BOBS V W MACHINERY      | General Automotive Repair Shops |
|                    | 1990  | BOBS V W MACHINERY REPR | AUTOMOBILE REPAIRING            |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BOBS V W MACHINERY REPR (Continued)**

**1014175101**

|      |                    |                                 |
|------|--------------------|---------------------------------|
| 1990 | BOBS V W MACHINERY | General Automotive Repair Shops |
| 1991 | BOBS               | General Automotive Repair Shops |
| 1991 | BOBS V W MACHINERY | General Automotive Repair Shops |
| 1992 | BOBS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1993 | BOBS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1994 | BOBS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1995 | VANS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1996 | VANS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1997 | VANS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1998 | VANS V W MACHINERY | Automotive Repair Shops, NEC    |
| 1999 | VANS V W MACHINERY | Automotive Repair Shops, NEC    |

**B15**  
 South  
 < 1/8  
 0.016 mi.  
 83 ft.

**B BILLS AUTO PARTS**  
 368 YOLANDA AVE  
 SANTA ROSA, CA 95404

EDR Hist Auto

**1014193440**  
 N/A

Site 2 of 3 in cluster B

Relative: EDR Hist Auto  
 Lower

Actual:  
 145 ft.

|       |                             |                             |
|-------|-----------------------------|-----------------------------|
| Year: | Name:                       | Type:                       |
| 1987  | B BILLS AUTO PARTS          | AUTOMOBILE REPAIRING        |
| 1994  | BILL AUTO PART STEPHEN AUTO | Auto And Home Supply Stores |
| 1995  | BILL AUTO PART STEPHEN AUTO | Auto And Home Supply Stores |

**B16**  
 South  
 < 1/8  
 0.016 mi.  
 83 ft.

**FIREFORM PORCELAIN INC**  
 368 YOLANDA AVE  
 SANTA ROSA, CA 95404

RCRA-SQG

**1000473021**  
 SLIC CAD982438376

Site 3 of 3 in cluster B

Relative: RCRA-SQG:  
 Lower

Actual:  
 145 ft.

Date form received by agency: 04/26/1993

Facility name: FIREFORM PORCELAIN INC  
 Facility address: 368 YOLANDA AVE  
 SANTA ROSA, CA 95404

EPA ID: CAD982438376  
 Contact: KEITH KEELER  
 Contact address: 368 YOLANDA AVE  
 SANTA ROSA, CA 95404

Contact country: US  
 Contact telephone: 707-523-0580  
 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FIREFORM PORCELAIN INC (Continued)**

**1000473021**

Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: JIM BURCH  
Owner/operator address: 1275 N DUTTON  
SANTA ROSA, CA 95401

Owner/operator country: Not reported  
Owner/operator telephone: 707-545-4519  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**SLIC:**

Region: STATE  
**Facility Status: Open - Site Assessment**  
Status Date: 06/01/2001  
Global Id: T0609793468  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.4127431867043  
Longitude: -122.71109447155  
Case Type: Cleanup Program Site  
Case Worker: TNM  
Local Agency: Not reported  
RB Case Number: 1NSR354  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: \* Solvents, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE),

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FIREFORM PORCELAIN INC (Continued)**

**1000473021**

Site History: Trichloroethylene (TCE), Vinyl chloride  
A metal fireplace fabrication factory operated at 368 Yolanda Avenue from 1963 to 1992, and at 326 Yolanda Avenue from 1972 to the present. A solvent dipping tank was used in the fireplace production process. In March 1999, the industrial solvent trichloroethylene (TCE) was detected in a domestic water supply well adjacent to the Site on the east. The highest concentrations of TCE have been found in a well located in the building formerly occupied by Malm Fireplaces at 368 Yolanda Avenue. High vapor concentrations of TCE have been found in soil gas at the 326 Yolanda Avenue property.

Click here to access the California GeoTracker records for this facility:

**FINDS:**

Registry ID: 110002812449

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000473021  
Registry ID: 110002812449  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002812449>

**HAZNET:**

envid: 1000473021  
Year: 2001  
GEPaid: CAD982438376  
Contact: K KEELER/ESTIMATOR/SFTY MGR  
Telephone: 7075230580  
Mailing Name: Not reported  
Mailing Address: 368 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046321  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Other inorganic solid waste  
Disposal Method: Treatment, Tank  
Tons: 4.21  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000473021  
Year: 2001  
GEPaid: CAD982438376

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FIREFORM PORCELAIN INC (Continued)**

**1000473021**

Contact: K KEELER/ESTIMATOR/SFTY MGR  
Telephone: 7075230580  
Mailing Name: Not reported  
Mailing Address: 368 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046321  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Transfer Station  
Tons: 0.12  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000473021  
Year: 2000  
GEPaid: CAD982438376  
Contact: K KEELER/ESTIMATOR/SFTY MGR  
Telephone: 7075230580  
Mailing Name: Not reported  
Mailing Address: 368 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046321  
Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Paint sludge  
Disposal Method: Transfer Station  
Tons: 10.67  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000473021  
Year: 2000  
GEPaid: CAD982438376  
Contact: K KEELER/ESTIMATOR/SFTY MGR  
Telephone: 7075230580  
Mailing Name: Not reported  
Mailing Address: 368 YOLANDA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954046321  
Gen County: Not reported  
TSD EPA ID: CA0000084517  
TSD County: Not reported  
Waste Category: Photochemicals/photoprocessing waste  
Disposal Method: Transfer Station  
Tons: 0.12  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000473021  
Year: 2000  
GEPaid: CAD982438376  
Contact: K KEELER/ESTIMATOR/SFTY MGR  
Telephone: 7075230580  
Mailing Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FIREFORM PORCELAIN INC (Continued)**

**1000473021**

Mailing Address: 368 YOLANDA AVE  
 Mailing City,St,Zip: SANTA ROSA, CA 954046321  
 Gen County: Not reported  
 TSD EPA ID: CAD059494310  
 TSD County: Not reported  
 Waste Category: Other organic solids  
 Disposal Method: Transfer Station  
 Tons: 7.35  
 Cat Decode: Not reported  
 Method Decode: Not reported  
 Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
 30 additional CA\_HAZNET: record(s) in the EDR Site Report.

**E17**  
**East**  
**< 1/8**  
**0.019 mi.**  
**101 ft.**

**SANTA ROSA PLANT**  
**455 YOLANDA AVE**  
**SANTA ROSA, CA 95401**  
  
**Site 1 of 6 in cluster E**

**HIST UST** **U001609293**  
**CHMIRS** **N/A**  
**WDS**

**Relative:**  
**Higher**  
  
**Actual:**  
**151 ft.**

HIST UST:  
 File Number: 000215E4  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000215E4.pdf>  
 Region: STATE  
 Facility ID: 00000002686  
 Facility Type: Gas Station  
 Other Type: Not reported  
 Contact Name: Not reported  
 Telephone: 7075460766  
 Owner Name: REDWOOD OIL COMPANY, INC.  
 Owner Address: 1320 SECOND STREET  
 Owner City,St,Zip: SAN RAFAEL, CA 94901  
 Total Tanks: 0014

Tank Num: 001  
 Container Num: 67  
 Year Installed: 1981  
 Tank Capacity: 00012000  
 Tank Used for: PRODUCT  
 Type of Fuel: UNLEADED  
 Container Construction Thickness: Not reported  
 Leak Detection: Stock Inventor

Tank Num: 002  
 Container Num: 80  
 Year Installed: 1983  
 Tank Capacity: 00000550  
 Tank Used for: WASTE  
 Type of Fuel: WASTE OIL  
 Container Construction Thickness: Not reported  
 Leak Detection: Stock Inventor

Tank Num: 003  
 Container Num: 79  
 Year Installed: 1981  
 Tank Capacity: 00001000  
 Tank Used for: WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 78  
Year Installed: 1983  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 005  
Container Num: 77  
Year Installed: 1983  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 006  
Container Num: 76  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 007  
Container Num: 75  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 008  
Container Num: 74  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 009  
Container Num: 73  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

Tank Num: 010  
Container Num: 72  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 011  
Container Num: 71  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 012  
Container Num: 70  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 013  
Container Num: 69  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 014  
Container Num: 68  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

CHMIRS:  
OES Incident Number: 8-4477  
OES notification: 10/02/1998  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

|   |   |
|---|---|
| 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:                                     | Redwood Oil Co                                    |
| Incident Date:                              | 10/2/199812:00:00 AM                              |
| Admin Agency:                               | Not reported                                      |
| Amount:                                     | Not reported                                      |
| Contained:                                  | Yes   |
| Site Type:                                  | Merchant/Business                                 |
| E Date:                                     | Not reported                                      |
| Substance:                                  | Deisel Fuel                                       |
| Gallons:                                    | 30  |
| 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:                                | Unknown customer while filling up spilled 30 gals |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

onto asphalt in parking lot

|   |                            |
|---|----------------------------|
| OES Incident Number:                        | 7-4776                     |
| OES notification:                           | 12/02/1997                 |
| OES Date:                                   | Not reported               |
| OES Time:                                   | Not reported               |
| <b>Date Completed:</b>                      | <b>Not reported</b>        |
| 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 Agency 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:                                   | Storm Drain                |
| Spill Site:                                 | Not reported               |
| Cleanup By:                                 | Contractor                 |
| Containment:                                | Not reported               |
| What Happened:                              | Not reported               |
| Type:                                       | Not reported               |
| Measure:                                    | Not reported               |
| Other:                                      | Not reported               |
| Date/Time:                                  | Not reported               |
| Year:                                       | 1997                       |
| Agency:                                     | Redwood Oil Co             |
| Incident Date:                              | 12/1/1997 12:00:00 AM      |
| Admin Agency:                               | Santa Rosa Fire Department |
| Amount:                                     | Not reported               |
| Contained:                                  | Yes                        |
| Site Type:                                  | Merchant/Business          |
| E Date:                                     | Not reported               |
| Substance:                                  | Motor Oil                  |
| Gallons:                                    | 55                         |
| Unknown:                                    | 0                          |
| Substance #2:                               | Not reported               |
| Substance #3:                               | Not reported               |
| Evacuations:                                | 0                          |
| Number of Injuries:                         | 0                          |
| Number of Fatalities:                       | 0                          |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

#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: 55 gallon drum may have been hit by the fork of a forklift. May be 4 or 5 gallons into the drain.

**WDS:**

Facility ID: 1 49I003772  
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: ROBERT BARBIENI  
Agency Name: REDWOOD OIL COMPANY 1  
Agency Address: P.O. BOX 428  
Agency City,St,Zip: SANTA ROSA 95402  
Agency Contact: PETER VAN ALYEA  
Agency Telephone: 7075460766  
Agency Type: Private  
SIC Code: 5171  
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 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 those who must comply through best

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SANTA ROSA PLANT (Continued)**

**U001609293**

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.

**E18**  
**East**  
**< 1/8**  
**0.019 mi.**  
**101 ft.**

**REDWOOD OIL COMPANY**  
**455 YOLANDA AVE.**  
**SANTA ROSA, CA**  
**Site 2 of 6 in cluster E**

**AST 1001611393**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

AST:  
 Certified Unified Program Agencies: Santa Rosa  
 Owner: REDWOOD OIL COMPANY  
 Total Gallons: 60,000  
 CERSID: Not reported  
 Facility ID: Not reported  
 Business Name: Not reported  
 Phone: Not reported  
 Fax: Not reported  
 Mailing Address: Not reported  
 Mailing Address City: Not reported  
 Mailing Address State: Not reported  
 Mailing Address Zip Code: Not reported  
 Operator Name: Not reported  
 Operator Phone: Not reported  
 Owner Phone: Not reported  
 Owner Mail Address: Not reported  
 Owner State: Not reported  
 Owner Zip Code: Not reported  
 Owner Country: Not reported  
 Property Owner Name: Not reported  
 Property Owner Phone: Not reported  
 Property Owner Mailing Address: Not reported  
 Property Owner City: Not reported  
 Property Owner Stat : Not reported  
 Property Owner Zip Code: Not reported  
 Property Owner Country: Not reported  
 EPAID: Not reported

**E19**  
**East**  
**< 1/8**  
**0.019 mi.**  
**101 ft.**

**REDWOOD OIL #141 (BULK PLANT)**  
**YOLANDA AVENUE 455**  
**SANTA ROSA, CA**  
**Site 3 of 6 in cluster E**

**LUST S101309855**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

LUST REG 1:  
 Region: 1  
 Facility ID: 1TSR261  
 Staff Initials: JEF

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E20**      **REDWOOD OIL COMPANY**  
**East**      **455 YOLANDA AVENUE**  
**< 1/8**      **SANTA ROSA, CA 95404**  
**0.019 mi.**  
**101 ft.**      **Site 4 of 6 in cluster E**

**LUST**      **S100236344**  
**Cortese**      **N/A**  
**EMI**  
**ENF**  
**HIST CORTESE**  
**NPDES**  
**Notify 65**

**Relative:**  
**Higher**

**Actual:**  
**151 ft.**

**LUST:**

Lead Agency:                      NORTH COAST RWQCB (REGION 1)  
 Case Type:                         LUST Cleanup Site  
 Geo Track:                         [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700708](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700708)  
 Global Id:                         T0609700708  
 Latitude:                         38.4138636225356  
 Longitude:                        -122.709031141276  
 Status:                             Open - Remediation  
 Status Date:                      06/11/2009  
 Case Worker:                     TNM  
 RB Case Number:                1TSR261  
 Local Agency:                    SANTA ROSA, CITY OF  
 File Location:                    Regional Board  
 Local Case Number:              Not reported  
 Potential Media Affect:         Well used for drinking water supply  
 Potential Contaminants of Concern: Gasoline  
 Site History:

The facility is an active bulk fuel terminal constructed in the late 1940s or early 1950s. At the time of construction there were a number of above ground storage tanks (ASTs), transfer and loading racks, and dispenser islands, each having both above and below ground piping. In 1981, the ASTs were removed and twelve 12,000-gallon underground storage tanks (USTs) installed. In 1989, soil samples collected from borings showed that a fuel release had occurred, and in 1990, two USTs were removed from the north end of the warehouse area. In August 1995, a leak in an unleaded fuel line was exposed. In 1995 or 1996, Redwood Oil Co. purchased the adjacent property at 459 Yolanda Avenue. In 2000, a new bulk plant was constructed. During that same time period (1999 to 2000), ten USTs were removed and impacted soil was excavated and removed from the site. In 1999, a groundwater extraction (GWE) system was installed along the south property line to control plume migration. In 2001, a combination soil vapor extraction (SVE), GWE, and air-sparge (AS) system was installed. The SVE and AS systems have been shutdown. From the start of investigations and installation of remedial system in 1991 until 2002, over 120 wells and borings were completed at on-site and off-site locations.

**LUST:**

Global Id:                         T0609700708  
 Contact Type:                    Local Agency Caseworker  
 Contact Name:                   LOCAL PERMIT WORKER SANTA ROSA  
 Organization Name:             SANTA ROSA, CITY OF  
 Address:                         625 5th Street  
 City:                             SANTA ROSA  
 Email:                            Not reported  
 Phone Number:                 7075433500

Global Id:                         T0609700708  
 Contact Type:                    Regional Board Caseworker  
 Contact Name:                   TOM MAGNEY  
 Organization Name:             NORTH COAST RWQCB (REGION 1)  
 Address:                         5550 SKYLANE BOULEVARD, SUITE A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

City: SANTA ROSA  
Email: tom.magney@waterboards.ca.gov  
Phone Number: 7075762030

**LUST:**

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 11/10/2003  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 05/19/2005  
Action: Other Workplan

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 10/12/2011  
Action: Clean-up and Abatement Order

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 04/25/2013  
Action: Verbal Enforcement

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 03/25/2008  
Action: Interim Remedial Action Plan

Global Id: T0609700708  
Action Type: Other  
Date: 03/31/1988  
Action: Leak Discovery

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 11/10/2008  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 07/31/2009  
Action: Staff Letter

Global Id: T0609700708  
Action Type: REMEDIATION  
Date: 06/01/2001  
Action: Pump & Treat (P&T) Groundwater

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 01/31/2018  
Action: Well Installation Workplan

Global Id: T0609700708  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Date: 05/11/2005  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 05/21/2009  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 07/15/2005  
Action: \* No Action

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 07/08/2016  
Action: Email Correspondence

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 02/21/2018  
Action: Staff Letter

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 01/28/2008  
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 09/21/2006  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0609700708  
Action Type: REMEDIATION  
Date: 12/01/1999  
Action: Excavation

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 01/28/2008  
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 04/22/2005  
Action: Remedial Progress Report

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 03/17/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 04/21/2005  
Action: Other Report / Document



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|              |  |
|--------------|--|
| Global Id:   | T0609700708  |
| Action Type: | RESPONSE   |
| Date:        | 07/07/2005   |
| Action:      | Monitoring Report - Quarterly                        |
| Global Id:   | T0609700708  |
| Action Type: | RESPONSE   |
| Date:        | 02/18/2015   |
| Action:      | Correspondence                                       |
| Global Id:   | T0609700708  |
| Action Type: | ENFORCEMENT  |
| Date:        | 11/10/2014   |
| Action:      | Technical Correspondence / Assistance / Other        |
| Global Id:   | T0609700708  |
| Action Type: | RESPONSE   |
| Date:        | 03/14/2005   |
| Action:      | Other Report / Document                              |
| Global Id:   | T0609700708  |
| Action Type: | RESPONSE   |
| Date:        | 08/31/2017   |
| Action:      | Monitoring Report - Semi-Annually                    |
| Global Id:   | T0609700708  |
| Action Type: | RESPONSE   |
| Date:        | 11/17/2017   |
| Action:      | Remedial Progress Report                             |
| Global Id:   | T0609700708  |
| Action Type: | ENFORCEMENT  |
| Date:        | 11/30/2009   |
| Action:      | Amendment to Order                                   |
| Global Id:   | T0609700708  |
| Action Type: | REMEDIATION  |
| Date:        | 07/01/2001   |
| Action:      | In Situ Physical/Chemical Treatment (other than SVE) |
| Global Id:   | T0609700708  |
| Action Type: | REMEDIATION  |
| Date:        | 09/18/2001   |
| Action:      | Soil Vapor Extraction (SVE)                          |
| Global Id:   | T0609700708  |
| Action Type: | ENFORCEMENT  |
| Date:        | 07/17/2017   |
| Action:      | Staff Letter   |
| Global Id:   | T0609700708  |
| Action Type: | ENFORCEMENT  |
| Date:        | 10/03/2017   |
| Action:      | Email Correspondence                                 |
| Global Id:   | T0609700708  |
| Action Type: | ENFORCEMENT  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Date: 10/17/2001  
Action: Administrative Civil Liabilities Complaint

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 01/01/2000  
Action: Clean-up and Abatement Order

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 05/12/2017  
Action: Email Correspondence

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 06/29/2001  
Action: Administrative Civil Liabilities Complaint

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 05/05/2000  
Action: \* Historical Enforcement

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 03/21/2008  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 08/26/2003  
Action: Staff Letter

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 11/10/2008  
Action: Well Installation Report

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 12/08/2008  
Action: Pilot Study/ Treatability Report

Global Id: T0609700708  
Action Type: Other  
Date: 03/31/1988  
Action: Leak Reported

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 10/06/2004  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 02/08/2010  
Action: CAP/RAP - Final Remediation / Design Plan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Global Id: T0609700708  
Action Type: Other  
Date: 03/31/1988  
Action: Leak Stopped

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 02/28/2012  
Action: Staff Letter

Global Id: T0609700708  
Action Type: RESPONSE  
Date: 10/28/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 05/27/2008  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 05/27/2008  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 08/05/2008  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 01/27/2005  
Action: Staff Letter

Global Id: T0609700708  
Action Type: ENFORCEMENT  
Date: 04/12/2005  
Action: Staff Letter

**LUST:**

Global Id: T0609700708  
Status: Open - Case Begin Date  
Status Date: 03/31/1988

Global Id: T0609700708  
Status: Open - Site Assessment  
Status Date: 03/31/1988

Global Id: T0609700708  
Status: Open - Site Assessment  
Status Date: 02/15/1989

Global Id: T0609700708  
Status: Open - Site Assessment  
Status Date: 03/27/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|              |                        |
|--------------|------------------------|
| Global Id:   | T0609700708            |
| Status:      | Open - Site Assessment |
| Status Date: | 01/16/1996             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 08/28/1998             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 11/12/2003             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 03/09/2004             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 10/06/2004             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 04/22/2005             |
| Global Id:   | T0609700708            |
| Status:      | Open - Remediation     |
| Status Date: | 06/11/2009             |

**CORTESE:**

|                            |  |
|----------------------------|--|
| Region:                    | CORTESE  |
| Envirostor Id:             | Not reported                                   |
| Site/Facility Type:        | Not reported                                   |
| Cleanup Status:            | Not reported                                   |
| Status Date:               | Not reported                                   |
| Site Code:                 | Not reported                                   |
| Latitude:                  | Not reported                                   |
| Longitude:                 | Not reported                                   |
| Owner:                     | Not reported                                   |
| Enf Type:                  | Not reported                                   |
| Swat R:                    | Not reported                                   |
| Flag:                      | CORTESE  |
| Order No:                  | Not reported                                   |
| Waste Discharge System No: | Not reported                                   |
| Effective Date:            | Not reported                                   |
| Region 2:                  | Not reported                                   |
| WID Id:                    | Not reported                                   |
| Solid Waste Id No:         | Not reported                                   |
| Waste Management Uit Name: | Not reported                                   |
| File Name:                 | Cease Desist Orders & Cleanup Abatement Orders |

**EMI:**

|              |      |
|--------------|------|
| Year:        | 1987 |
| County Code: | 49   |
| Air Basin:   | SF   |
| Facility ID: | 869  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Air District Name: BA  
SIC Code: 5171  
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: 1990  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 5  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1995  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 16  
Reactive Organic Gases Tons/Yr: 14  
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: 869  
Air District Name: BA  
SIC Code: 5171  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

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: 1997  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 5  
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: 1998  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 18  
Reactive Organic Gases Tons/Yr: 16  
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: 869  
Air District Name: BA  
SIC Code: 5171  
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: 18  
Reactive Organic Gases Tons/Yr: 18  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Year: 2000  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 18  
Reactive Organic Gases Tons/Yr: 18  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001  
County Code: 49  
Air Basin: SF  
Facility ID: 13043  
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 Smlr Tons/Yr:0

Year: 2001  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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 Smlr Tons/Yr:0

Year: 2002  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

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 Smlr Tons/Yr:0

Year: 2002  
County Code: 49  
Air Basin: SF  
Facility ID: 13043  
Air District Name: BA  
SIC Code: 5171  
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 Smlr Tons/Yr:0

Year: 2003  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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 Smlr Tons/Yr:0

Year: 2003  
County Code: 49  
Air Basin: SF  
Facility ID: 13043  
Air District Name: BA  
SIC Code: 5171  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 2.201  
Reactive Organic Gases Tons/Yr: 2.1928563  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004  
County Code: 49  
Air Basin: SF  
Facility ID: 13043  
Air District Name: BA  
SIC Code: 5171  
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: 1.089  
Reactive Organic Gases Tons/Yr: 0.7607754  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 2.179  
Reactive Organic Gases Tons/Yr: 2.1709377  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 2.12  
Reactive Organic Gases Tons/Yr: 2.112156  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2007  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 2.211  
Reactive Organic Gases Tons/Yr: 2.2028193  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2008  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 2.125  
Reactive Organic Gases Tons/Yr: 2.1171375  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
Air District Name: BAY AREA AQMD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1.9179999999999999  
Reactive Organic Gases Tons/Yr: 1.9109034  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2010  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 1.6200000000000001  
Reactive Organic Gases Tons/Yr: 1.6140060000000001  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 1.62  
Reactive Organic Gases Tons/Yr: 1.614006  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 49  
Air Basin: SF  
Facility ID: 869  
Air District Name: BA  
SIC Code: 5171  
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: 0.838  
Reactive Organic Gases Tons/Yr: 0.8348994  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

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: 869  
Air District Name: BA  
SIC Code: 5171  
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: 0.722  
Reactive Organic Gases Tons/Yr: 0.722  
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

**ENF:**

Region: 1  
Facility Id: 252248  
Agency Name: Not reported  
Place Type: Service/Commercial  
Place Subtype: Gasoline Service Station  
Facility Type: All other facilities  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: Not reported  
Place Longitude: Not reported  
SIC Code 1: 5541  
SIC Desc 1: Gasoline Service Stations  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                   |  |
|-----------------------------------|--|
| # 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):              | 219781   |
| Region:                           | 1  |
| Order / Resolution Number:        | LT940125   |
| Enforcement Action Type:          | Staff Enforcement Letter                             |
| Effective Date:                   | 01/25/1994   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 01/25/1994   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR261NUG Redwood Oil Bulk Plant 141 |
| Description:                      | REQUESTING FIVE DAYS ADVANCE NOTICE OF DRILLING.     |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 252248   |
| Agency Name:                      | Not reported   |
| Place Type:                       | Service/Commercial                                   |
| Place Subtype:                    | Gasoline Service Station                             |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                  |                           |
|----------------------------------|---------------------------|
| Facility Type:                   | All other facilities      |
| Agency Type:                     | Not reported              |
| # Of Agencies:                   | Not reported              |
| Place Latitude:                  | Not reported              |
| Place Longitude:                 | Not reported              |
| SIC Code 1:                      | 5541                      |
| SIC Desc 1:                      | Gasoline Service Stations |
| 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              |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                   |  |
|-----------------------------------|--|
| Direction/Voice:                  | Not reported   |
| Enforcement Id(EID):              | 236749   |
| Region:                           | 1  |
| Order / Resolution Number:        | R1-2001-0053   |
| Enforcement Action Type:          | Admin Civil Liability  |
| Effective Date:                   | 06/18/2001   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 05/19/2003   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1S0261NUG Redwood Oil Bulk Plant 141   |
| Description:                      | ORIGINAL LIABILITY TO STAND. \$25000 DUE AND PAYABLE AND 25,000 SUSPENDED CONTINGENT ON SEP. |
| Program:                          | UST  |
| Latest Milestone Completion Date: | 2003-05-19   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$50,000.00  |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$25,000.00  |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$25,000.00  |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$50,000.00  |
| Region:                           | 1  |
| Facility Id:                      | 252248   |
| Agency Name:                      | Not reported   |
| Place Type:                       | Service/Commercial   |
| Place Subtype:                    | Gasoline Service Station   |
| Facility Type:                    | All other facilities   |
| Agency Type:                      | Not reported   |
| # Of Agencies:                    | Not reported   |
| Place Latitude:                   | Not reported   |
| Place Longitude:                  | Not reported   |
| SIC Code 1:                       | 5541   |
| SIC Desc 1:                       | Gasoline Service Stations  |
| 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   |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                   |  |
|-----------------------------------|--|
| 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):              | 236727   |
| Region:                           | 1  |
| Order / Resolution Number:        | R1-2001-0039   |
| Enforcement Action Type:          | Admin Civil Liability  |
| Effective Date:                   | 05/04/2001   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 06/18/2001   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR261NUG Redwood Oil Bulk Plant 141   |
| Description:                      | DISCHARGER SYSTEM FAILURE ALLOWING CONTINUAL LEACHING OF PETROLEUM HYDROCARBONS FROM SOIL TO GROUNDWATER. IMPACTED WATER SUPPLY WELLS. REPORTS HAVE NOT BEEN SENT AND DISCHARGER FAILED TO PURSUE OBTAINING PERMITS FOR CLEANUP PROJECT. |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$50,000.00  |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                 |                           |
|---------------------------------|---------------------------|
| Project \$ Completed:           | \$0.00                    |
| Total \$ Paid/Completed Amount: | \$0.00                    |
| Region:                         | 1                         |
| Facility Id:                    | 252248                    |
| Agency Name:                    | Not reported              |
| Place Type:                     | Service/Commercial        |
| Place Subtype:                  | Gasoline Service Station  |
| Facility Type:                  | All other facilities      |
| Agency Type:                    | Not reported              |
| # Of Agencies:                  | Not reported              |
| Place Latitude:                 | Not reported              |
| Place Longitude:                | Not reported              |
| SIC Code 1:                     | 5541                      |
| SIC Desc 1:                     | Gasoline Service Stations |
| 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              |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                   |  |
|-----------------------------------|--|
| 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):              | 236726   |
| Region:                           | 1  |
| Order / Resolution Number:        | R1-2000-0034   |
| Enforcement Action Type:          | Clean-up and Abatement Order   |
| Effective Date:                   | 04/04/2000   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 10/27/2005   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR261NUG Redwood Oil Bulk Plant 141   |
| Description:                      | DISCHARGER WAS TO WORK ON GETTING SOIL AND GROUNDWATER TREATMENT AND PLUME MIGRATION CONTROLS IN PLACE |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 252248   |
| Agency Name:                      | Not reported   |
| Place Type:                       | Service/Commercial   |
| Place Subtype:                    | Gasoline Service Station   |
| Facility Type:                    | All other facilities   |
| Agency Type:                      | Not reported   |
| # Of Agencies:                    | Not reported   |
| Place Latitude:                   | Not reported   |
| Place Longitude:                  | Not reported   |
| SIC Code 1:                       | 5541   |
| SIC Desc 1:                       | Gasoline Service Stations  |
| 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  |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                   |   |
|-----------------------------------|---|
| 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):              | 221386  |
| Region:                           | 1   |
| Order / Resolution Number:        | 90-184  |
| Enforcement Action Type:          | Clean-up and Abatement Order  |
| Effective Date:                   | 11/07/1990  |
| Adoption/Issuance Date:           | Not reported  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 10/27/2005  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR261NUG Redwood Oil Bulk Plant 141                                  |
| Description:                      | SUBMIT REPORT DETAILING WORK PERFORMED. SITE HAS SERIOUS SOIL CONTAMINATION PROBLEMS. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|                                 |                           |
|---------------------------------|---------------------------|
| Total Assessment Amount:        | \$0.00                    |
| Initial Assessed Amount:        | \$0.00                    |
| Liability \$ Amount:            | \$0.00                    |
| Project \$ Amount:              | \$0.00                    |
| Liability \$ Paid:              | \$0.00                    |
| Project \$ Completed:           | \$0.00                    |
| Total \$ Paid/Completed Amount: | \$0.00                    |
| Region:                         | 1                         |
| Facility Id:                    | 252248                    |
| Agency Name:                    | Not reported              |
| Place Type:                     | Service/Commercial        |
| Place Subtype:                  | Gasoline Service Station  |
| Facility Type:                  | All other facilities      |
| Agency Type:                    | Not reported              |
| # Of Agencies:                  | Not reported              |
| Place Latitude:                 | Not reported              |
| Place Longitude:                | Not reported              |
| SIC Code 1:                     | 5541                      |
| SIC Desc 1:                     | Gasoline Service Stations |
| 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              |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

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): 381897  
Region: 1  
Order / Resolution Number: R1-2005-0106  
Enforcement Action Type: Clean-up and Abatement Order  
Effective Date: 10/27/2005  
Adoption/Issuance Date: 10/27/2005  
Achieve Date: Not reported  
Termination Date: Not reported  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Active  
Title: Enforcement - 1B1SR261NUG Redwood Oil Bulk Plant 141  
Description: Not reported  
Program: UST  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: WBC&D  
Reg Id: 1B1SO164NUG

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR261

**NPDES:**

Npdes Number: Not reported  
Facility Status: Not reported  
Agency Id: Not reported  
Region: 1  
Regulatory Measure Id: 272509  
Order No: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|   |                         |
|---|-------------------------|
| Regulatory Measure Type:                | Industrial              |
| Place Id:                               | Not reported            |
| WDID:                                   | 1 49I020005             |
| 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: | 07/13/2015              |
| Discharge Name:                         | Not reported            |
| Discharge Address:                      | Not reported            |
| Discharge City:                         | Not reported            |
| Discharge State:                        | Not reported            |
| Discharge Zip:                          | Not reported            |
| RECEIVED DATE:                          | 05/09/2008              |
| PROCESSED DATE:                         | 12/29/2005              |
| STATUS CODE NAME:                       | Terminated              |
| STATUS DATE:                            | 03/14/2016              |
| PLACE SIZE:                             | 2                       |
| PLACE SIZE UNIT:                        | Acres                   |
| FACILITY CONTACT NAME:                  | Greg Taylor             |
| FACILITY CONTACT TITLE:                 | Safety Manager          |
| FACILITY CONTACT PHONE:                 | 707-546-0766            |
| FACILITY CONTACT PHONE EXT:             | 132                     |
| FACILITY CONTACT EMAIL:                 | gtaylor@rcpetrol.com    |
| OPERATOR NAME:                          | Redwood Coast Petroleum |
| OPERATOR ADDRESS:                       | 455 Yolanda Ave         |
| OPERATOR CITY:                          | Santa Rosa              |
| OPERATOR STATE:                         | California              |
| OPERATOR ZIP:                           | 95404                   |
| OPERATOR CONTACT NAME:                  | Greg Taylor             |
| OPERATOR CONTACT TITLE:                 | Safety Manager          |
| OPERATOR CONTACT PHONE:                 | 707-546-0766            |
| OPERATOR CONTACT PHONE EXT:             | 132                     |
| OPERATOR CONTACT EMAIL:                 | gtaylor@rcpetrol.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:                     | 707-546-0766            |
| EMERGENCY PHONE EXT:                    | Not reported            |
| CONSTYPE ABOVE GROUND IND:              | Not reported            |
| CONSTYPE BELOW GROUND IND:              | Not reported            |
| CONSTYPE CABLE LINE IND:                | Not reported            |
| CONSTYPE COMM LINE IND:                 | Not reported            |
| CONSTYPE COMMERCIAL IND:                | Not reported            |
| CONSTYPE ELECTRICAL LINE IND:           | Not reported            |
| CONSTYPE GAS LINE IND:                  | Not reported            |
| CONSTYPE INDUSTRIAL IND:                | Not reported            |
| CONSTYPE OTHER DESCRIPTION:             | Not reported            |
| CONSTYPE OTHER IND:                     | Not reported            |
| CONSTYPE RECONS IND:                    | Not reported            |
| CONSTYPE RESIDENTIAL IND:               | Not reported            |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

|   |  |
|---|--|
| 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 De Santa Rosa                       |
| CERTIFIER NAME:                         | Greg Taylor                                |
| CERTIFIER TITLE:                        | President                                  |
| CERTIFICATION DATE:                     | Not reported                               |
| PRIMARY SIC:                            | 5171-Petroleum Bulk Stations and Terminals |
| SECONDARY SIC:                          | Not reported                               |
| TERTIARY SIC:                           | Not reported                               |
| Npdes Number:                           | CAS000001                                  |
| Facility Status:                        | Terminated                                 |
| Agency Id:                              | 0  |
| Region:                                 | 1  |
| Regulatory Measure Id:                  | 272509                                     |
| Order No:                               | 97-03-DWQ                                  |
| Regulatory Measure Type:                | Enrollee                                   |
| Place Id:                               | Not reported                               |
| WDID:                                   | 1 49I020005                                |
| Program Type:                           | Industrial                                 |
| Adoption Date Of Regulatory Measure:    | Not reported                               |
| Effective Date Of Regulatory Measure:   | 12/29/2005                                 |
| Expiration Date Of Regulatory Measure:  | Not reported                               |
| Termination Date Of Regulatory Measure: | 07/13/2015                                 |
| Discharge Name:                         | Redwood Coast Petroleum                    |
| Discharge Address:                      | 455 Yolanda Ave                            |
| Discharge City:                         | Santa Rosa                                 |
| Discharge State:                        | California                                 |
| Discharge Zip:                          | 95404                                      |
| 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                               |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REDWOOD OIL COMPANY (Continued)**

**S100236344**

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

**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

**E21**  
**East**  
**< 1/8**  
**0.019 mi.**  
**101 ft.**

**SANTA ROSA PLANT**  
**455 YOLANDA AVE**  
**SANTA ROSA, CA 95401**  
**Site 5 of 6 in cluster E**

**SWEEPS UST** **S101627207**  
**CA FID UST** **N/A**  
**EMI**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

**SWEEPS UST:**  
Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 67  
SWRCB Tank Id: 49-060-002686-000001



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**S101627207**

Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 14

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 80  
SWRCB Tank Id: 49-060-002686-000002  
Tank Status: A  
Capacity: 550  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 79  
SWRCB Tank Id: 49-060-002686-000003  
Tank Status: A  
Capacity: 1000  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 78  
SWRCB Tank Id: 49-060-002686-000004  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: UNKNOWN  
STG: P  
Content: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**S101627207**

Number Of Tanks: Not reported  
  
Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 77  
SWRCB Tank Id: 49-060-002686-000005  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: UNKNOWN  
STG: P  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 76  
SWRCB Tank Id: 49-060-002686-000006  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: UNKNOWN  
STG: P  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 75  
SWRCB Tank Id: 49-060-002686-000007  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: UNKNOWN  
STG: P  
Content: Not reported  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**S101627207**

Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 74  
SWRCB Tank Id: 49-060-002686-000008  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 73  
SWRCB Tank Id: 49-060-002686-000009  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 72  
SWRCB Tank Id: 49-060-002686-000010  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 71  
SWRCB Tank Id: 49-060-002686-000011  
Tank Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**S101627207**

Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 70  
SWRCB Tank Id: 49-060-002686-000012  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 69  
SWRCB Tank Id: 49-060-002686-000013  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 2686  
Number: 9  
Board Of Equalization: 44-028149  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 68  
SWRCB Tank Id: 49-060-002686-000014  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA PLANT (Continued)**

**S101627207**

CA FID UST:

Facility ID: 49000103  
Regulated By: UTNKA  
Regulated ID: 00002686  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075460766  
Mail To: Not reported  
Mailing Address: 1320 002ND ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95401  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

EMI:

Year: 2014  
County Code: 49  
Air Basin: SF  
Facility ID: 23123  
Air District Name: BA  
SIC Code: 5171  
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: 0.722727077  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2015  
County Code: 49  
Air Basin: SF  
Facility ID: 23123  
Air District Name: BA  
SIC Code: 5171  
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: 37.174660001  
Reactive Organic Gases Tons/Yr: 37.17465001  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E22**      **REDWOOD OIL COMPANY**  
**East**      **455 YOLANDA AVE**  
**< 1/8**      **SANTA ROSA, CA 95404**  
**0.021 mi.**  
**110 ft.**      **Site 6 of 6 in cluster E**

**EDR Hist Auto**      **1021292847**  
**N/A**

**Relative:**      EDR Hist Auto  
**Higher**

| Actual:<br>151 ft. | Year: | Name:                       | Type:                     |
|--------------------|-------|-----------------------------|---------------------------|
|                    | 1973  | GANTNER H R INC             | Petroleum Products, NEC   |
|                    | 1974  | GANTNER H R INC             | Petroleum Products, NEC   |
|                    | 1975  | GANTNER H R INC             | Petroleum Products, NEC   |
|                    | 1976  | GANTNER H R INC             | Gasoline Service Stations |
|                    | 1977  | GANTNER H R INC             | Gasoline Service Stations |
|                    | 1978  | GANTNER H R INC             | Gasoline Service Stations |
|                    | 1979  | GANTNER H R INC             | Gasoline Service Stations |
|                    | 1980  | REDWOOD OIL COMPANY*        | Gasoline Service Stations |
|                    | 1988  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1989  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1990  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1991  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1992  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1993  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1994  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1995  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1996  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1997  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1998  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 1999  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2000  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2001  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2002  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2003  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2004  | REDWOOD OIL COMPANY         | Petroleum Products, NEC   |
|                    | 2005  | REDWOOD COAST PETROLEUM INC | Petroleum Products, NEC   |
|                    | 2006  | REDWOOD COAST PETROLEUM INC | Petroleum Products, NEC   |

**C23**      **MICHAEL'S AUTO**  
**WSW**      **2642 SANTA ROSA AVENUE**  
**< 1/8**      **SANTA ROSA, CA 95401**  
**0.028 mi.**  
**147 ft.**      **Site 2 of 4 in cluster C**

**LUST**      **S100467832**  
**ENF**      **N/A**  
**HIST CORTESE**

**Relative:**      LUST:  
**Lower**      Lead Agency:      NORTH COAST RWQCB (REGION 1)  
**Actual:**      Case Type:      LUST Cleanup Site  
**141 ft.**      Geo Track:      [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700567](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700567)  
                   Global Id:      T0609700567  
                   Latitude:      38.4134529  
                   Longitude:      -122.712814  
                   Status:      Completed - Case Closed  
                   Status Date:      09/18/1998  
                   Case Worker:      ZZZ  
                   RB Case Number:      1TSR044  
                   Local Agency:      SANTA ROSA, CITY OF  
                   File Location:      Not reported  
                   Local Case Number:      Not reported  
                   Potential Media Affect:      Aquifer used for drinking water supply  
                   Potential Contaminants of Concern:      Gasoline  
                   Site History:      Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL'S AUTO (Continued)**

**S100467832**

LUST:

Global Id: T0609700567  
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

LUST:

Global Id: T0609700567  
Action Type: ENFORCEMENT  
Date: 05/14/1992  
Action: \* Historical Enforcement

Global Id: T0609700567  
Action Type: Other  
Date: 12/28/1987  
Action: Leak Discovery

Global Id: T0609700567  
Action Type: Other  
Date: 12/28/1987  
Action: Leak Reported

Global Id: T0609700567  
Action Type: Other  
Date: 12/28/1987  
Action: Leak Stopped

LUST:

Global Id: T0609700567  
Status: Open - Case Begin Date  
Status Date: 12/28/1987

Global Id: T0609700567  
Status: Open - Site Assessment  
Status Date: 01/11/1988

Global Id: T0609700567  
Status: Open - Site Assessment  
Status Date: 04/01/1988

Global Id: T0609700567  
Status: Open - Site Assessment  
Status Date: 05/05/1988

Global Id: T0609700567  
Status: Open - Site Assessment  
Status Date: 02/16/1993

Global Id: T0609700567  
Status: Open - Remediation  
Status Date: 09/17/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL'S AUTO (Continued)**

**S100467832**

Global Id: T0609700567  
Status: Open - Verification Monitoring  
Status Date: 09/17/1998

Global Id: T0609700567  
Status: Completed - Case Closed  
Status Date: 09/18/1998

LUST REG 1:

Region: 1  
Facility ID: 1TSR044  
Staff Initials: Closed

ENF:

Region: 1  
Facility Id: 240572  
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: 38.41299  
Place Longitude: -122.713526  
SIC Code 1: 5541  
SIC Desc 1: Gasoline Service Stations  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL'S AUTO (Continued)**

**S100467832**

|                                   |  |
|-----------------------------------|--|
| 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):              | 222350   |
| Region:                           | 1  |
| Order / Resolution Number:        | 94-07102   |
| Enforcement Action Type:          | Clean-up and Abatement Order   |
| Effective Date:                   | 12/23/1994   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 10/27/1998   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR044NUG Michael's Auto   |
| Description:                      | CAO IDENTIFIES NEW RESPONSIBLY PARTIES. M&R PLAN & WORKPLANS FOR FURTHER INVEST & REMEDIATION REQUES |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 240572   |
| 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:                   | 38.41299   |
| Place Longitude:                  | -122.713526  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MICHAEL'S AUTO (Continued)**

**S100467832**

|                                  |                              |
|----------------------------------|------------------------------|
| SIC Code 1:                      | 5541                         |
| SIC Desc 1:                      | Gasoline Service Stations    |
| 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):             | 224329                       |
| Region:                          | 1                            |
| Order / Resolution Number:       | 92-071                       |
| Enforcement Action Type:         | Clean-up and Abatement Order |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MICHAEL'S AUTO (Continued)**

**S100467832**

|                                   |   |
|-----------------------------------|---|
| Effective Date:                   | 05/14/1992  |
| Adoption/Issuance Date:           | Not reported  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 10/27/1998  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR044NUG Michael's Auto  |
| Description:                      | CAO ISSUED TO ENSURE PROMPT AND COMPLETE INVESTIGATION AND CLEANUP OF RELEASES. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |

**HIST CORTESE:**

|                       |             |
|-----------------------|-------------|
| Region:               | CORTESE     |
| Facility County Code: | 49          |
| Reg By:               | WBC&D       |
| Reg Id:               | 1B1SR044NUG |
|                       |             |
| Region:               | CORTESE     |
| Facility County Code: | 49          |
| Reg By:               | LTNKA       |
| Reg Id:               | 1TSR044     |

**C24**  
**WSW**  
 < 1/8  
 0.028 mi.  
 147 ft.

**GERRICK STEVE EXXON SERVICE**  
**2642 SANTA ROSA AVE**  
**SANTA ROSA, CA 95401**

**EDR Hist Auto 1014170275**  
**N/A**

**Site 3 of 4 in cluster C**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
**141 ft.**

| Year: | Name:                         | Type:                           |
|-------|-------------------------------|---------------------------------|
| 1958  | SIGNAL OIL CO                 | GASOLINE STATIONS               |
| 1961  | DAVIS SIGNAL SERV GAS STA     | GASOLINE STATIONS               |
| 1965  | DAVIS SIGNAL SERV GAS STA     | GASOLINE STATIONS               |
| 1970  | BUNDESEN ENCO SERVICE GAS STA | GASOLINE STATIONS               |
| 1974  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1975  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1976  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1976  | KARINEN GARAGE & RADIATOR     | General Automotive Repair Shops |
| 1977  | K & W AUTO SERVICE            | General Automotive Repair Shops |
| 1977  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1978  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1978  | K & W AUTO SERVICE            | General Automotive Repair Shops |
| 1979  | K & W AUTO SERVICE            | General Automotive Repair Shops |
| 1979  | K & W AUTO SERVICE            | General Automotive Repair Shops |
| 1979  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |
| 1980  | GERRICK STEVE EXXON SERVICE   | Gasoline Service Stations       |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GERRICK STEVE EXXON SERVICE (Continued)**

**1014170275**

|      |                             |                                 |
|------|-----------------------------|---------------------------------|
| 1980 | K & W AUTO SERVICE          | General Automotive Repair Shops |
| 1982 | GERRICK STEVE EXXON SERVICE | Gasoline Service Stations       |
| 1983 | GERRICK STEVE EXXON SERVICE | Gasoline Service Stations       |

**25**  
**NW**  
 < 1/8  
 0.052 mi.  
 275 ft.

**DAVES AUTO RADIO REPAIR**  
**2450 SANTA ROSA AVE**  
**SANTA ROSA, CA 95407**

**EDR Hist Auto**

**1014177706**  
**N/A**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
**145 ft.**

| Year: | Name:                    | Type:                           |
|-------|--------------------------|---------------------------------|
| 1970  | ROYS TEXACO SERVICE      | GASOLINE STATIONS               |
| 1971  | ROYS TEXACO              | Gasoline Service Stations       |
| 1972  | ROYS TEXACO              | Gasoline Service Stations       |
| 1973  | ROYS TEXACO              | Gasoline Service Stations       |
| 1974  | ROYS TEXACO              | Gasoline Service Stations       |
| 1976  | ROYS TEXACO SERVICE      | GASOLINE STATIONS               |
| 1976  | ROYS TEXACO              | Gasoline Service Stations       |
| 1977  | ROYS TEXACO              | Gasoline Service Stations       |
| 1991  | J&K FOREIGN AUTO SERVIC  | General Automotive Repair Shops |
| 1992  | J&K FOREIGN AUTO SERVICE | General Automotive Repair Shops |
| 1993  | J&K FOREIGN AUTO SERVICE | General Automotive Repair Shops |
| 2005  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2006  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2007  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2008  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2009  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2010  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2011  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2012  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2013  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |
| 2014  | DAVES AUTO RADIO REPAIR  | General Automotive Repair Shops |

**F26**  
**ESE**  
 < 1/8  
 0.053 mi.  
 282 ft.

**PACIFIC BELL**  
**459 YOLANDA**  
**SANTA ROSA, CA 95404**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000251625**  
**CAT080025992**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**149 ft.**

Date form received by agency: 09/02/1997  
 Facility name: PACIFIC BELL  
 Facility address: 459 YOLANDA  
 SANTA ROSA, CA 95404  
 EPA ID: CAT080025992  
 Mailing address: 3707 KINGS WAY SEC A-6  
 SACRAMENTO, CA 95821  
 Contact: ENVIRONMENTAL MANAGER  
 Contact address: 459 YOLANDA  
 SANTA ROSA, CA 95404  
 Contact country: US  
 Contact telephone: 916-485-0997  
 Contact email: Not reported  
 EPA Region: 09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**1000251625**

Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: THERESA P ACQUISTAPACE  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996  
Site name: PACIFIC BELL  
Classification: Small Quantity Generator

Date form received by agency: 01/22/1981  
Site name: PACIFIC BELL  
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002952859

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**1000251625**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000251625  
Registry ID: 110002952859  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002952859>

**F27  
ESE  
< 1/8  
0.053 mi.  
282 ft.**

**FLYERS ENERGY 3017  
459 YOLANDA AVENUE  
SANTA ROSA, CA 95404**

**Site 2 of 5 in cluster F**

**LUST  
HAZNET  
HIST CORTESE  
NPDES  
Notify 65**

**S100236345  
N/A**

**Relative:  
Higher  
Actual:  
149 ft.**

LUST REG 1:  
Region: 1  
Facility ID: 1TSR052  
Staff Initials: JEF

HAZNET:

envid: S100236345  
Year: 2016  
GEPaid: CAL000403746  
Contact: AMANDA APPELT  
Telephone: 5308850401  
Mailing Name: Not reported  
Mailing Address: 2360 LINDBERGH ST  
Mailing City,St,Zip: AUBURN, CA 956020000  
Gen County: Sonoma  
TSD EPA ID: CAD097030993  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.1125  
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: S100236345  
Year: 2016  
GEPaid: CAL000403746  
Contact: AMANDA APPELT  
Telephone: 5308850401  
Mailing Name: Not reported  
Mailing Address: 2360 LINDBERGH ST  
Mailing City,St,Zip: AUBURN, CA 956020000  
Gen County: Sonoma  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 0.221  
Cat Decode: Unspecified organic liquid mixture

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLYERS ENERGY 3017 (Continued)**

**S100236345**

Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,  
Organics Recovery Ect  
Facility County: Sonoma  
  
envid: S100236345  
Year: 2015  
GEPaid: CAL000403746  
Contact: AMANDA APPELT  
Telephone: 5308850401  
Mailing Name: Not reported  
Mailing Address: 2360 LINDBERGH ST  
Mailing City,St,Zip: AUBURN, CA 956029562  
Gen County: Sonoma  
TSD EPA ID: CAD097030993  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
  
Tons: 0.5375  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR052

**NPDES:**

Npdes Number: CAS000001  
Facility Status: Active  
Agency Id: 0  
Region: 1  
Regulatory Measure Id: 462602  
Order No: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 1 49I026190  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 10/08/2015  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Flyers Energy  
Discharge Address: 2360 Lindbergh Street  
Discharge City: Auburn  
Discharge State: California  
Discharge Zip: 95602  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLYERS ENERGY 3017 (Continued)**

**S100236345**

|                               |              |
|-------------------------------|--------------|
| FACILITY CONTACT TITLE:       | Not reported |
| FACILITY CONTACT PHONE:       | Not reported |
| FACILITY CONTACT PHONE EXT:   | Not reported |
| FACILITY CONTACT EMAIL:       | Not reported |
| OPERATOR NAME:                | Not reported |
| OPERATOR ADDRESS:             | Not reported |
| OPERATOR CITY:                | Not reported |
| OPERATOR STATE:               | Not reported |
| OPERATOR ZIP:                 | Not reported |
| OPERATOR CONTACT NAME:        | Not reported |
| OPERATOR CONTACT TITLE:       | Not reported |
| OPERATOR CONTACT PHONE:       | Not reported |
| OPERATOR CONTACT PHONE EXT:   | Not reported |
| OPERATOR CONTACT EMAIL:       | Not reported |
| OPERATOR TYPE:                | Not reported |
| DEVELOPER NAME:               | Not reported |
| DEVELOPER ADDRESS:            | Not reported |
| DEVELOPER CITY:               | Not reported |
| DEVELOPER STATE:              | Not reported |
| DEVELOPER ZIP:                | Not reported |
| DEVELOPER CONTACT NAME:       | Not reported |
| DEVELOPER CONTACT TITLE:      | Not reported |
| CONSTYPE LINEAR UTILITY IND:  | Not reported |
| EMERGENCY PHONE NO:           | Not reported |
| EMERGENCY PHONE EXT:          | Not reported |
| CONSTYPE ABOVE GROUND IND:    | Not reported |
| CONSTYPE BELOW GROUND IND:    | Not reported |
| CONSTYPE CABLE LINE IND:      | Not reported |
| CONSTYPE COMM LINE IND:       | Not reported |
| CONSTYPE COMMERTIAL IND:      | Not reported |
| CONSTYPE ELECTRICAL LINE IND: | Not reported |
| CONSTYPE GAS LINE IND:        | Not reported |
| CONSTYPE INDUSTRIAL IND:      | Not reported |
| CONSTYPE OTHER DESRIPTION:    | Not reported |
| CONSTYPE OTHER IND:           | Not reported |
| CONSTYPE RECONS IND:          | Not reported |
| CONSTYPE RESIDENTIAL IND:     | Not reported |
| CONSTYPE TRANSPORT IND:       | Not reported |
| CONSTYPE UTILITY DESCRIPTION: | Not reported |
| CONSTYPE UTILITY IND:         | Not reported |
| CONSTYPE WATER SEWER IND:     | Not reported |
| DIR DISCHARGE USWATER IND:    | Not reported |
| RECEIVING WATER NAME:         | Not reported |
| CERTIFIER NAME:               | Not reported |
| CERTIFIER TITLE:              | Not reported |
| CERTIFICATION DATE:           | Not reported |
| PRIMARY SIC:                  | Not reported |
| SECONDARY SIC:                | Not reported |
| TERTIARY SIC:                 | Not reported |
| Npdes Number:                 | Not reported |
| Facility Status:              | Not reported |
| Agency Id:                    | Not reported |
| Region:                       | 1            |
| Regulatory Measure Id:        | 462602       |
| Order No:                     | Not reported |
| Regulatory Measure Type:      | Industrial   |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLYERS ENERGY 3017 (Continued)**

**S100236345**

|   |                        |
|---|------------------------|
| Place Id:                               | Not reported           |
| WDID:                                   | 1 491026190            |
| 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:                          | 10/01/2015             |
| PROCESSED DATE:                         | 10/08/2015             |
| STATUS CODE NAME:                       | Active                 |
| STATUS DATE:                            | 10/08/2015             |
| PLACE SIZE:                             | 1.7                    |
| PLACE SIZE UNIT:                        | Acres                  |
| FACILITY CONTACT NAME:                  | Christina Wilfong      |
| FACILITY CONTACT TITLE:                 | Bulk Plant Manager     |
| FACILITY CONTACT PHONE:                 | 707-546-0766           |
| FACILITY CONTACT PHONE EXT:             | 177                    |
| FACILITY CONTACT EMAIL:                 | christinaw@4flyers.com |
| OPERATOR NAME:                          | Flyers Energy          |
| OPERATOR ADDRESS:                       | 2360 Lindbergh Street  |
| OPERATOR CITY:                          | Auburn                 |
| OPERATOR STATE:                         | California             |
| OPERATOR ZIP:                           | 95602                  |
| OPERATOR CONTACT NAME:                  | Elizabeth Orizaga      |
| OPERATOR CONTACT TITLE:                 | Compliance Coordinator |
| OPERATOR CONTACT PHONE:                 | 530-885-0401           |
| OPERATOR CONTACT PHONE EXT:             | 2105                   |
| OPERATOR CONTACT EMAIL:                 | elizabetho@4flyers.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           |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FLYERS ENERGY 3017 (Continued)**

**S100236345**

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 de Santa Rosa  
CERTIFIER NAME: Vanessa Estrada  
CERTIFIER TITLE: Engineering Assistant  
CERTIFICATION DATE: 01-OCT-15  
PRIMARY SIC: 5171-Petroleum Bulk Stations and Terminals  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

NOTIFY 65:

Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**F28**  
**ESE**  
**< 1/8**  
**0.053 mi.**  
**282 ft.**

**FLYERS #479**  
**459 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**UST U004262720**  
**N/A**

**Site 3 of 5 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**149 ft.**

UST:  
Facility ID: 49-060-000577  
Permitting Agency: Santa Rosa City Fire Department  
Latitude: 38.453733  
Longitude: -122.672345

**F29**  
**ESE**  
**< 1/8**  
**0.053 mi.**  
**282 ft.**

**PRIVATE RESIDENCE**  
**PRIVATE RESIDENCE**  
**SANTA ROSA, CA 95404**

**LUST S110655644**  
**N/A**

**Site 4 of 5 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**150 ft.**

LUST:  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700574](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700574)  
Global Id: T0609700574  
Latitude: 38.4135051525519  
Longitude: -122.708268726376  
Status: Completed - Case Closed  
Status Date: 08/03/2001  
Case Worker: ZZZ  
RB Case Number: 1TSR052  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Well used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PRIVATE RESIDENCE (Continued)

S110655644

LUST:

Global Id: T0609700574  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700574  
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

LUST:

Global Id: T0609700574  
Action Type: Other  
Date: 07/06/1988  
Action: Leak Discovery

Global Id: T0609700574  
Action Type: ENFORCEMENT  
Date: 08/03/2001  
Action: Closure/No Further Action Letter

Global Id: T0609700574  
Action Type: REMEDIATION  
Date: 04/05/2000  
Action: Excavation

Global Id: T0609700574  
Action Type: Other  
Date: 07/06/1988  
Action: Leak Reported

Global Id: T0609700574  
Action Type: ENFORCEMENT  
Date: 01/24/1989  
Action: \* Historical Enforcement

Global Id: T0609700574  
Action Type: Other  
Date: 07/06/1988  
Action: Leak Stopped

LUST:

Global Id: T0609700574  
Status: Open - Case Begin Date  
Status Date: 07/06/1988

Global Id: T0609700574

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIVATE RESIDENCE (Continued)**

**S110655644**

|              |                         |
|--------------|-------------------------|
| Status:      | Open - Site Assessment  |
| Status Date: | 07/06/1988              |
| <br>         |                         |
| Global Id:   | T0609700574             |
| Status:      | Open - Site Assessment  |
| Status Date: | 02/02/1990              |
| <br>         |                         |
| Global Id:   | T0609700574             |
| Status:      | Open - Site Assessment  |
| Status Date: | 04/23/1990              |
| <br>         |                         |
| Global Id:   | T0609700574             |
| Status:      | Open - Site Assessment  |
| Status Date: | 08/20/1993              |
| <br>         |                         |
| Global Id:   | T0609700574             |
| Status:      | Completed - Case Closed |
| Status Date: | 08/03/2001              |

**G30**  
**SW**  
 < 1/8  
 0.056 mi.  
 297 ft.

**7-ELEVEN #33277**  
**2648 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95407**

**UST U004262773**  
**N/A**

**Site 1 of 6 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**138 ft.**

UST:  
 Facility ID: Not reported  
 Permitting Agency: Santa Rosa City Fire Department  
 Latitude: 37.271881  
 Longitude: -119.270233

**G31**  
**WSW**  
 < 1/8  
 0.059 mi.  
 312 ft.

**SANTA ROSA PLUME AT YOLANDA**  
**YOLANDA AT SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**

**SLIC S103866825**  
**N/A**

**Site 2 of 6 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**139 ft.**

SLIC REG 1:  
 Region: 1  
 Facility ID: 1NSR354  
 Staff Initials: SKB

**C32**  
**WSW**  
 < 1/8  
 0.059 mi.  
 314 ft.

**NOLAN C R AUTO REPAIR**  
**2626 SANTA ROSA AVE**  
**SANTA ROSA, CA 95401**

**EDR Hist Auto 1014180585**  
**N/A**

**Site 4 of 4 in cluster C**

**Relative:**  
**Lower**  
**Actual:**  
**139 ft.**

EDR Hist Auto

|       |                            |                              |
|-------|----------------------------|------------------------------|
| Year: | Name:                      | Type:                        |
| 1985  | EMPIRE MUFFLER & BRAKE INC | Automotive Repair Shops, NEC |
| 1986  | EMPIRE MUFFLER & BRAKE INC | Automotive Repair Shops, NEC |
| 1987  | EMPIRE MUFFLER & BRAKE INC | AUTOMOBILE REPAIRING         |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NOLAN C R AUTO REPAIR (Continued)**

**1014180585**

|      |                            |                                 |
|------|----------------------------|---------------------------------|
| 1987 | EMPIRE MUFFLER & BRAKE INC | Automotive Repair Shops, NEC    |
| 1988 | EMPIRE MUFFLER & BRAKE INC | Automotive Repair Shops, NEC    |
| 1990 | NOLAN C R AUTO REPAIR      | AUTOMOBILE REPAIRING            |
| 1994 | CADILLAC SPECIALISTS       | General Automotive Repair Shops |
| 1994 | BUICK SPECIALISTS          | General Automotive Repair Shops |
| 1994 | NOLEN AUTOMOTIVE           | General Automotive Repair Shops |
| 1994 | CHEVROLET SPECIALISTS      | General Automotive Repair Shops |
| 1995 | CHEVROLET SPECIALISTS      | General Automotive Repair Shops |
| 1995 | CADILLAC SPECIALISTS       | General Automotive Repair Shops |
| 1996 | CADILLAC SPECIALISTS       | General Automotive Repair Shops |
| 2002 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2003 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2003 | AANGKOR AUTO REPAIR & SMOG | General Automotive Repair Shops |
| 2004 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2005 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2006 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2007 | AUTO TECH & REPAIR         | General Automotive Repair Shops |
| 2008 | AUTO TECH & REPAIR         | General Automotive Repair Shops |

**G33**  
**WSW**  
 < 1/8  
 0.059 mi.  
 314 ft.

**MALM METAL PRODS INC**  
**2640 SANTA ROSA AVE**  
**SANTA ROSA, CA 95401**

**Site 3 of 6 in cluster G**

**RCRA-SQG 1000294255**  
**LUST CAD059594663**  
**FINDS**  
**ECHO**  
**ENF**  
**HIST CORTESE**

**Relative:**  
**Lower**

**Actual:**  
**139 ft.**

**RCRA-SQG:**

Date form received by agency: 09/01/1996  
 Facility name: MALM METAL PRODS INC  
 Facility address: 2640 SANTA ROSA AVE  
 SANTA ROSA, CA 95401  
 EPA ID: CAD059594663  
 Mailing address: P O BOX 4299  
 SANTA ROSA, CA 95402  
 Contact: Not reported  
 Contact address: Not reported  
 Not reported  
 Contact country: US  
 Contact telephone: Not reported  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**

Owner/operator name: NOT REQUIRED  
 Owner/operator address: NOT REQUIRED  
 NOT REQUIRED, ME 99999  
 Owner/operator country: Not reported  
 Owner/operator telephone: 415-555-1212  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: ROBINSON CAL  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/12/1983  
Site name: MALM METAL PRODS INC  
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700703](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700703)  
Global Id: T0609700703  
Latitude: 38.412945768385  
Longitude: -122.713057994843  
Status: Completed - Case Closed  
Status Date: 12/11/2017  
Case Worker: ZZZ  
RB Case Number: 1TSR256  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Well used for drinking water supply

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Potential Contaminants of Concern: Gasoline  
Site History: Based on the last groundwater monitoring data available the site met the criteria for Low Threat Closure. Malm Metal Products (MMP) occupied the site from 1960 to 1994, and used a 1,000-gallon gasoline underground storage tank (UST). In September 1982, gasoline was reported in a domestic well adjacent to and east of the MMP site. The UST was removed in November 1982. Between 1983 and 2015 several phases of investigation and remediation were completed. These included installation (and eventual destruction) of 19 groundwater monitoring wells, free product recovery, excavation of over 9,000 cubic yards of impacted material, dual-phase extraction, and ozone injection. As a result of road widening, the former UST location of is now under the south side of Yolanda Avenue.

LUST:

Global Id: T0609700703  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700703  
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

LUST:

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 08/29/2012  
Action: Staff Letter

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 07/23/2015  
Action: Staff Letter

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 04/06/2017  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 05/05/2017  
Action: Email Correspondence

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 01/30/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Action: Request for Closure - Regulator Responded

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 06/28/2002  
Action: Meeting

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 07/02/2002  
Action: Staff Letter

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 10/19/2017  
Action: Well Destruction Report

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 04/10/2017  
Action: Other Report / Document

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 01/14/2009  
Action: Staff Letter

Global Id: T0609700703  
Action Type: REMEDIATION  
Date: 08/12/2004  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609700703  
Action Type: REMEDIATION  
Date: 08/12/2004  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 06/15/2004  
Action: Staff Letter

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 02/11/2013  
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 06/30/2009  
Action: Staff Letter

Global Id: T0609700703  
Action Type: REMEDIATION  
Date: 08/01/1998  
Action: Excavation



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

|              |   |
|--------------|---|
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 04/20/2004  |
| Action:      | Corrective Action Plan / Remedial Action Plan           |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 08/17/2009  |
| Action:      | Final Remedial Action Report / Corrective Action Report |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 02/26/2007  |
| Action:      | Monitoring Report - Quarterly                           |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 06/01/2004  |
| Action:      | Corrective Action Plan / Remedial Action Plan           |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 03/16/2012  |
| Action:      | Remedial Progress Report                                |
| Global Id:   | T0609700703   |
| Action Type: | ENFORCEMENT   |
| Date:        | 06/23/2016  |
| Action:      | Email Correspondence                                    |
| Global Id:   | T0609700703   |
| Action Type: | REMEDIATION   |
| Date:        | 03/01/1983  |
| Action:      | Free Product Removal                                    |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 11/17/2016  |
| Action:      | Clean Up Fund - 5-Year Review Summary                   |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 09/22/2009  |
| Action:      | Clean Up Fund - 5-Year Review Summary                   |
| Global Id:   | T0609700703   |
| Action Type: | ENFORCEMENT   |
| Date:        | 11/08/2011  |
| Action:      | Meeting   |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |
| Date:        | 12/02/2008  |
| Action:      | Monitoring Report - Semi-Annually                       |
| Global Id:   | T0609700703   |
| Action Type: | RESPONSE  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Date: 05/03/2016  
Action: Request for Closure - Regulator Responded

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 05/03/2016  
Action: Request for Closure - Regulator Responded

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 05/03/2016  
Action: Request for Closure - Regulator Responded

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 05/03/2016  
Action: Request for Closure - Regulator Responded

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 09/22/1999  
Action: \* Historical Enforcement

Global Id: T0609700703  
Action Type: RESPONSE  
Date: 12/16/2015  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 08/16/2016  
Action: Email Correspondence

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 03/07/2017  
Action: Staff Letter

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 11/15/2011  
Action: Waste Discharge Requirements

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 03/05/2008  
Action: Staff Letter

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 07/28/2008  
Action: Waste Discharge Requirements

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 05/12/2003  
Action: Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

|              |  |
|--------------|--|
| Global Id:   | T0609700703                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 03/11/2004                                   |
| Action:      | Staff Letter                                 |
| Global Id:   | T0609700703                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 04/05/2017                                   |
| Action:      | Notification - Public Participation Document |
| Global Id:   | T0609700703                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 12/11/2017                                   |
| Action:      | Closure/No Further Action Letter             |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 08/21/2008                                   |
| Action:      | Clean Up Fund - 5-Year Review Summary        |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 06/01/2002                                   |
| Action:      | Interim Remedial Action Plan                 |
| Global Id:   | T0609700703                                  |
| Action Type: | Other  |
| Date:        | 08/24/1987                                   |
| Action:      | Leak Reported                                |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 05/02/2005                                   |
| Action:      | CAP/RAP - Other Report                       |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 05/02/2005                                   |
| Action:      | Monitoring Report - Quarterly                |
| Global Id:   | T0609700703                                  |
| Action Type: | Other  |
| Date:        | 08/24/1987                                   |
| Action:      | Leak Discovery                               |
| Global Id:   | T0609700703                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 03/26/2012                                   |
| Action:      | Staff Letter                                 |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 05/03/2016                                   |
| Action:      | Request for Closure - Regulator Responded    |
| Global Id:   | T0609700703                                  |
| Action Type: | RESPONSE                                     |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Date: 06/12/2017  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700703  
Action Type: Other  
Date: 08/24/1987  
Action: Leak Stopped

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 02/23/2017  
Action: File Review - Closure

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 11/17/2015  
Action: Waste Discharge Requirements

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 06/22/2017  
Action: Email Correspondence

Global Id: T0609700703  
Action Type: ENFORCEMENT  
Date: 07/28/2008  
Action: Staff Letter

**LUST:**

Global Id: T0609700703  
Status: Open - Case Begin Date  
Status Date: 08/24/1987

Global Id: T0609700703  
Status: Open - Site Assessment  
Status Date: 09/09/1987

Global Id: T0609700703  
Status: Open - Site Assessment  
Status Date: 03/21/1988

Global Id: T0609700703  
Status: Open - Site Assessment  
Status Date: 08/04/1989

Global Id: T0609700703  
Status: Open - Site Assessment  
Status Date: 09/04/2001

Global Id: T0609700703  
Status: Open - Remediation  
Status Date: 04/20/2004

Global Id: T0609700703  
Status: Open - Remediation  
Status Date: 06/01/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Global Id: T0609700703  
Status: Open - Remediation  
Status Date: 06/15/2004

Global Id: T0609700703  
Status: Open - Remediation  
Status Date: 05/02/2005

Global Id: T0609700703  
Status: Open - Remediation  
Status Date: 05/20/2009

Global Id: T0609700703  
Status: Open - Eligible for Closure  
Status Date: 02/23/2017

Global Id: T0609700703  
Status: Completed - Case Closed  
Status Date: 12/11/2017

Global Id: T0609700703  
Status: Completed - Case Closed  
Status Date: 12/11/2017

LUST REG 1:

Region: 1  
Facility ID: 1TSR256  
Staff Initials: JEF

FINDS:

Registry ID: 110002652282

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

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000294255  
Registry ID: 110002652282  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002652282>

ENF:

Region: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

|                                  |                   |
|----------------------------------|-------------------|
| Facility Id:                     | 239275            |
| Agency Name:                     | Not reported      |
| Place Type:                      | Manufacturing     |
| Place Subtype:                   | Manufacturing NEC |
| Facility Type:                   | Industrial        |
| Agency Type:                     | Not reported      |
| # Of Agencies:                   | Not reported      |
| Place Latitude:                  | 38.413036         |
| Place Longitude:                 | -122.713526       |
| 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      |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

|                                   |  |
|-----------------------------------|--|
| WDR Review - Planned:             | Not reported   |
| Status Enrollee:                  | Not reported   |
| Individual/General:               | Not reported   |
| Fee Code:                         | Not reported   |
| Direction/Voice:                  | Not reported   |
| Enforcement Id(EID):              | 226753   |
| Region:                           | 1  |
| Order / Resolution Number:        | Not reported   |
| Enforcement Action Type:          | 13267 Letter   |
| Effective Date:                   | 11/03/2000   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 11/03/2000   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR256NUG Malm Metal                                     |
| Description:                      | FAILURE TO SUBMIT CAP BY DUE DATE OF 9/16/2000. NEW DUE DATE IS 12/8/00. |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 239276   |
| Agency Name:                      | Malm Metal Products, Inc.  |
| Place Type:                       | Service/Commercial   |
| Place Subtype:                    | Service/Commercial Site, NEC   |
| Facility Type:                    | All other facilities   |
| Agency Type:                      | Privately-Owned Business   |
| # Of Agencies:                    | 1  |
| Place Latitude:                   | 38.41458   |
| Place Longitude:                  | -122.71354   |
| SIC Code 1:                       | 5051   |
| SIC Desc 1:                       | Metals Service Centers and Offices                                       |
| SIC Code 2:                       | Not reported   |
| SIC Desc 2:                       | Not reported   |
| SIC Code 3:                       | Not reported   |
| SIC Desc 3:                       | Not reported   |
| NAICS Code 1:                     | Not reported   |
| NAICS Desc 1:                     | Not reported   |
| NAICS Code 2:                     | Not reported   |
| NAICS Desc 2:                     | Not reported   |
| NAICS Code 3:                     | Not reported   |
| NAICS Desc 3:                     | Not reported   |
| # Of Places:                      | 1  |
| Source Of Facility:               | Reg Meas   |
| Design Flow:                      | Not reported   |
| Threat To Water Quality:          | Not reported   |
| Complexity:                       | Not reported   |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

|                                   |   |
|-----------------------------------|---|
| Pretreatment:                     | Not reported  |
| Facility Waste Type:              | Contaminated ground water   |
| Facility Waste Type 2:            | Not reported  |
| Facility Waste Type 3:            | Not reported  |
| Facility Waste Type 4:            | Not reported  |
| Program:                          | UST   |
| Program Category1:                | TANKS   |
| Program Category2:                | TANKS   |
| # Of Programs:                    | 1   |
| WDID:                             | 1B880140NUG   |
| Reg Measure Id:                   | 156080  |
| Reg Measure Type:                 | Unregulated   |
| Region:                           | 1   |
| 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:                           | Active  |
| Status Date:                      | 10/04/2011  |
| Effective Date:                   | 10/01/1982  |
| Expiration/Review Date:           | Not reported  |
| Termination Date:                 | Not reported  |
| WDR Review - Amend:               | Not reported  |
| WDR Review - Revise/Renew:        | Not reported  |
| WDR Review - Rescind:             | Not reported  |
| WDR Review - No Action Required:  | Not reported  |
| WDR Review - Pending:             | Not reported  |
| WDR Review - Planned:             | Not reported  |
| Status Enrollee:                  | N   |
| Individual/General:               | I   |
| Fee Code:                         | Not reported  |
| Direction/Voice:                  | Passive   |
| Enforcement Id(EID):              | 219092  |
| Region:                           | 1   |
| Order / Resolution Number:        | 82-143  |
| Enforcement Action Type:          | Clean-up and Abatement Order  |
| Effective Date:                   | 10/29/1982  |
| Adoption/Issuance Date:           | 10/29/1982  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | Not reported  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Active  |
| Title:                            | Enforcement - 1B880140NUG Malm Metal Products, Inc. (Former)                                |
| Description:                      | GW CONTAMINATION BY LEAKY UGR (GASOLINE)- REQUIRES ABATEMENT AND SUBMITTAL OF CLEANUP PLAN. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MALM METAL PRODS INC (Continued)**

**1000294255**

Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR256

**G34**  
**SW**  
**< 1/8**  
**0.066 mi.**  
**351 ft.**

**AUTO LIFE CENTER**  
**2698 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**

**LUST** **S102949348**  
**SLIC** **N/A**  
**HIST CORTESE**

**Site 4 of 6 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**137 ft.**

**LUST:**

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700753](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700753)  
Global Id: T0609700753  
Latitude: 38.4118399368554  
Longitude: -122.713415598148  
Status: Completed - Case Closed  
Status Date: 11/12/1997  
Case Worker: ZZZ  
RB Case Number: 1TSR329  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**

Global Id: T0609700753  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700753  
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

**LUST:**

Global Id: T0609700753  
Action Type: Other  
Date: 09/23/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO LIFE CENTER (Continued)**

**S102949348**

Action: Leak Stopped  
  
Global Id: T0609700753  
Action Type: Other  
Date: 09/23/1997  
Action: Leak Discovery

Global Id: T0609700753  
Action Type: Other  
Date: 09/23/1997  
Action: Leak Reported

**LUST:**

Global Id: T0609700753  
Status: Open - Case Begin Date  
Status Date: 09/23/1997

Global Id: T0609700753  
Status: Open - Site Assessment  
Status Date: 10/03/1997

Global Id: T0609700753  
Status: Open - Remediation  
Status Date: 11/11/1997

Global Id: T0609700753  
Status: Open - Site Assessment  
Status Date: 11/11/1997

Global Id: T0609700753  
Status: Open - Verification Monitoring  
Status Date: 11/11/1997

Global Id: T0609700753  
Status: Completed - Case Closed  
Status Date: 11/12/1997

**LUST REG 1:**

Region: 1  
Facility ID: 1TSR329  
Staff Initials: Closed

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 04/30/2009  
Global Id: SL0609725310  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.4125590631678  
Longitude: -122.712864875793  
Case Type: Cleanup Program Site  
Case Worker: ZZZ  
Local Agency: Not reported  
RB Case Number: 1NSR256

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AUTO LIFE CENTER (Continued)**

**S102949348**

File Location: Regional Board  
 Potential Media Affected: Aquifer used for drinking water supply, Well used for drinking water supply  
 Potential Contaminants of Concern: \* Solvents  
 Site History: Information for this case may be found in the Malm Metal file.

Click here to access the California GeoTracker records for this facility:

**HIST CORTESE:**

Region: CORTESE  
 Facility County Code: 49  
 Reg By: LTNKA  
 Reg Id: 1TSR329

**G35**  
**SW**  
 < 1/8  
 0.066 mi.  
 351 ft.

**AUTO LIFE CENTER AUTO REPR**  
**2698 SANTA ROSA AVE**  
**SANTA ROSA, CA 95401**  
**Site 5 of 6 in cluster G**

**EDR Hist Auto 1014184229**  
**N/A**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
**137 ft.**

| Year: | Name:                      | Type:                           |
|-------|----------------------------|---------------------------------|
| 1982  | AUTO LIFE CENTER           | General Automotive Repair Shops |
| 1983  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1985  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1986  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1987  | AUTO LIFE CENTER AUTO REPR | AUTOMOBILE REPAIRING            |
| 1987  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1988  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1989  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1990  | AUTO LIFE CENTER AUTO REPR | AUTOMOBILE REPAIRING            |
| 1990  | FALENSBEE KENT             | General Automotive Repair Shops |
| 1991  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1992  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1993  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1994  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1995  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1996  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1997  | A L C MACHINE INC          | General Automotive Repair Shops |
| 1998  | A L C MACHINE INC          | General Automotive Repair Shops |

**G36**  
**SW**  
 < 1/8  
 0.077 mi.  
 404 ft.

**LYLES TACKLE SHOP**  
**2690 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**  
**Site 6 of 6 in cluster G**

**SLIC S105051040**  
**N/A**

**Relative:**  
**Lower**

SLIC:

**Actual:**  
**137 ft.**

Region: STATE  
**Facility Status: Completed - Case Closed**  
 Status Date: 07/05/2006  
 Global Id: T0609793387  
 Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Lead Agency Case Number: Not reported  
 Latitude: 38.411882728167

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LYLES TACKLE SHOP (Continued)**

**S105051040**

Longitude: -122.713408704893  
 Case Type: Cleanup Program Site  
 Case Worker: ZZZ  
 Local Agency: SANTA ROSA, CITY OF  
 RB Case Number: 1NSR346  
 File Location: Regional Board  
 Potential Media Affected: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Not reported  
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 1:

Region: 1  
 Facility ID: 1NSR346  
 Staff Initials: SKB

**F37**  
**ESE**  
 < 1/8  
 0.093 mi.  
 492 ft.

**FOREIGN AUTO WERKSTATT AUTO REPR**  
**468 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**EDR Hist Auto 1014190013**  
**N/A**

**Site 5 of 5 in cluster F**

**Relative:**  
**Higher**

EDR Hist Auto

**Actual:**  
**149 ft.**

| Year: | Name:                           | Type:                             |
|-------|---------------------------------|-----------------------------------|
| 1983  | DIESEL FUEL INJECTION           | Automotive Repair Shops, NEC      |
| 1985  | DIESEL FUEL INJECTION SYSTEMS*  | Automotive Repair Shops, NEC      |
| 1986  | DIESEL FUEL INJECTION SYSTEMS*  | Automotive Repair Shops, NEC      |
| 1987  | FOREIGN AUTO WERKSTATT AUTO REP | AUTOMOBILE REPAIRING              |
| 1987  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC      |
| 1988  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC      |
| 1989  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC, NEC |
| 1989  | MILLARS UPHOLSTERY              | General Automotive Repair Shops   |
| 1990  | FOREIGN AUTO WERKSTATT AUTO REP | AUTOMOBILE REPAIRING              |
| 1990  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC, NEC |
| 1991  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC, NEC |
| 1991  | MILLARS UPHOLSTERY              | General Automotive Repair Shops   |
| 1992  | MILLARS UPHOLSTERY              | General Automotive Repair Shops   |
| 1992  | DIESEL FUEL INJECTION SYSTEMS   | Automotive Repair Shops, NEC, NEC |
| 1993  | MILLARS UPHOLSTERY              | General Automotive Repair Shops   |
| 1993  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 1994  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 1995  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 1996  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 1996  | GERMAN CAR GARAGE               | General Automotive Repair Shops   |
| 1996  | ANDERSEN SOREN                  | General Automotive Repair Shops   |
| 1997  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 1997  | GERMAN CAR GARAGE               | General Automotive Repair Shops   |
| 1997  | ANDERSEN SOREN                  | General Automotive Repair Shops   |
| 1998  | GERMAN CAR GARAGE               | General Automotive Repair Shops   |
| 1998  | ANDERSEN SOREN                  | General Automotive Repair Shops   |
| 1999  | ANDERSEN SOREN                  | General Automotive Repair Shops   |
| 1999  | GERMAN CAR GARAGE               | General Automotive Repair Shops   |
| 2000  | ANDERSEN SOREN                  | General Automotive Repair Shops   |
| 2000  | HARRINGTON JOHN                 | Automotive Repair Shops, NEC, NEC |
| 2000  | VANS V W MACHINERY              | Automotive Repair Shops, NEC      |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FOREIGN AUTO WERKSTATT AUTO REPR (Continued)

1014190013

|      |                            |                                   |
|------|----------------------------|-----------------------------------|
| 2001 | HARRINGTON JOHN            | Automotive Repair Shops, NEC, NEC |
| 2001 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2001 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2002 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2002 | HARRINGTON JOHN            | Automotive Repair Shops, NEC, NEC |
| 2002 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2003 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2003 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2004 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2004 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2004 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2005 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2005 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2005 | SYNDICATE AUTO PERFORMANCE | General Automotive Repair Shops   |
| 2005 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2006 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2006 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2006 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2006 | SYNDICATE AUTO PERFORMANCE | General Automotive Repair Shops   |
| 2007 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2007 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2007 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2007 | SYNDICATE AUTO PERFORMANCE | General Automotive Repair Shops   |
| 2008 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2008 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2008 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2008 | SYNDICATE AUTO PERFORMANCE | General Automotive Repair Shops   |
| 2009 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2009 | R & L AUTOMOTIVE           | Automotive Repair Shops, NEC      |
| 2009 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2009 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2009 | BIG ROBS AUTO              | General Automotive Repair Shops   |
| 2010 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2010 | VANS V W MACHINERY         | Automotive Repair Shops, NEC      |
| 2010 | FOREIGN AUTO WERKSTATT     | General Automotive Repair Shops   |
| 2010 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2010 | BIG ROBS AUTO              | General Automotive Repair Shops   |
| 2011 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2011 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2012 | T&K AUTOMOTIVE             | General Automotive Repair Shops   |
| 2012 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2012 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2013 | T&K AUTOMOTIVE             | General Automotive Repair Shops   |
| 2013 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2013 | ANDERSEN SOREN             | General Automotive Repair Shops   |
| 2014 | HENSLEYS AUTO              | General Automotive Repair Shops   |
| 2014 | T&K AUTOMOTIVE             | General Automotive Repair Shops   |
| 2014 | ANDERSEN SOREN             | General Automotive Repair Shops   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

38  
East  
1/8-1/4  
0.133 mi.  
701 ft.

**PACIFIC BELL**  
**463 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000250604**  
**CAD093080018**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 09/02/1997  
Facility name: PACIFIC BELL  
Facility address: 463 YOLANDA AVE  
SANTA ROSA, CA 95404  
EPA ID: CAD093080018  
Mailing address: 3707 KINGS WAY SEC A-6  
SACRAMENTO, CA 95821  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 463 YOLANDA AVE  
SANTA ROSA, CA 95404  
Contact country: US  
Contact telephone: 916-485-0997  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: RAPP PROPERTIES  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:  
U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:  
Date form received by agency: 09/01/1996  
Site name: PACIFIC BELL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC BELL (Continued)**

**1000250604**

Classification: Small Quantity Generator

Date form received by agency: 01/22/1981

Site name: PACIFIC BELL

Classification: Large Quantity Generator

Violation Status: No violations found

**FINDS:**

Registry ID: 110002663948

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000250604

Registry ID: 110002663948

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002663948>

**39**  
**NNW**  
**1/8-1/4**  
**0.137 mi.**  
**724 ft.**

**GROG SHOP**  
**2296 SANTA ROSA**  
**SANTA ROSA, CA 95404**

**LUST** **S102430994**  
**HIST CORTESE** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**146 ft.**

**LUST:**

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700736](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700736)  
Global Id: T0609700736  
Latitude: 38.41667  
Longitude: -122.713128  
Status: Completed - Case Closed  
Status Date: 01/01/2002  
Case Worker: ZZZ  
RB Case Number: 1TSR298  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**

Global Id: T0609700736  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GROG SHOP (Continued)**

**S102430994**

Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700736  
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

**LUST:**

Global Id: T0609700736  
Action Type: Other  
Date: 07/12/1995  
Action: Leak Stopped

Global Id: T0609700736  
Action Type: Other  
Date: 07/12/1995  
Action: Leak Reported

Global Id: T0609700736  
Action Type: Other  
Date: 07/12/1995  
Action: Leak Discovery

**LUST:**

Global Id: T0609700736  
Status: Open - Case Begin Date  
Status Date: 07/12/1995

Global Id: T0609700736  
Status: Open - Site Assessment  
Status Date: 10/16/1998

Global Id: T0609700736  
Status: Open - Site Assessment  
Status Date: 12/21/1998

Global Id: T0609700736  
Status: Open - Site Assessment  
Status Date: 06/18/1999

Global Id: T0609700736  
Status: Completed - Case Closed  
Status Date: 01/01/2002

**LUST REG 1:**

Region: 1  
Facility ID: 1TSR298  
Staff Initials: JEF



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GROG SHOP (Continued)**

**S102430994**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR298

**H40**  
**East**  
**1/8-1/4**  
**0.150 mi.**  
**791 ft.**

**RITZ C GUGGIANA ENTERPRISES**  
**651 YOLANDA AVE**  
**SANTA ROSA, CA 95404**  
  
**Site 1 of 3 in cluster H**

**RCRA-SQG 1000819718**  
**FINDS CAD983657164**  
**ECHO**  
**HAZNET**

**Relative:**  
**Higher**

RCRA-SQG:  
Date form received by agency: 01/13/1993  
Facility name: RITZ C GUGGIANA ENTERPRISES  
Facility address: 651 YOLANDA AVE  
SANTA ROSA, CA 95404  
EPA ID: CAD983657164  
Mailing address: P O BOX 69  
SANTA ROSA, CA 95402  
Contact: DAN LINCOLN  
Contact address: 651 YOLANDA AVE  
SANTA ROSA, CA 95404  
Contact country: US  
Contact telephone: 707-545-4540  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**153 ft.**

Owner/Operator Summary:  
Owner/operator name: NOELLE DANGREMOND  
Owner/operator address: 424 OAK BROOK LN  
SANTA ROSA, CA 95409  
Owner/operator country: Not reported  
Owner/operator telephone: 707-538-7289  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:  
U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITZ C GUGGIANA ENTERPRISES (Continued)**

**1000819718**

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: 110002890916

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000819718  
Registry ID: 110002890916  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002890916>

**HAZNET:**

envid: 1000819718  
Year: 1996  
GEPaid: CAD983657164  
Contact: NOELLE DANGREMOND  
Telephone: 7075387289  
Mailing Name: Not reported  
Mailing Address: 3000 DUTTON AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954020069  
Gen County: Not reported  
TSD EPA ID: CAT080031628  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: .1459  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**H41**  
**East**  
**1/8-1/4**  
**0.150 mi.**  
**791 ft.**

**RITZ FOOD & EQUIP DIST.**  
**651 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**Site 2 of 3 in cluster H**

**HIST UST**    **U001609436**  
                   **N/A**

**Relative:**  
**Higher**

**Actual:**  
**153 ft.**

**HIST UST:**  
 File Number:            Not reported  
 URL:                      Not reported  
 Region:                   STATE  
 Facility ID:               00000010174  
 Facility Type:            Other  
 Other Type:              FOOD & EQUIP DIST.  
 Contact Name:           STEVE BRADY  
 Telephone:               7075454540  
 Owner Name:             RITZ C GUGGIANA ENTERPRIZES  
 Owner Address:         651 YOLANDA AVE  
 Owner City,St,Zip:     SANTA ROSA, CA 95404  
 Total Tanks:             0001

Tank Num:                001  
 Container Num:         1  
 Year Installed:         Not reported  
 Tank Capacity:         00001000  
 Tank Used for:         PRODUCT  
 Type of Fuel:            DIESEL  
 Container Construction Thickness: Not reported  
 Leak Detection:         Visual

**H42**  
**East**  
**1/8-1/4**  
**0.150 mi.**  
**791 ft.**

**RITZ FOOD & EQUIP DIST.**  
**651 YOLANDA AVE**  
**SANTA ROSA, CA 95404**

**Site 3 of 3 in cluster H**

**SWEEPS UST**    **S101627297**  
                   **HIST UST**    **N/A**  
                   **CA FID UST**

**Relative:**  
**Higher**

**Actual:**  
**153 ft.**

**SWEEPS UST:**  
 Status:                    Active  
 Comp Number:            10174  
 Number:                   9  
 Board Of Equalization: 44-028178  
 Referral Date:           07-01-85  
 Action Date:             Not reported  
 Created Date:            02-29-88  
 Owner Tank Id:           1  
 SWRCB Tank Id:         49-060-010174-000001  
 Tank Status:             A  
 Capacity:                 1000  
 Active Date:             07-01-85  
 Tank Use:                 M.V. FUEL  
 STG:                        P  
 Content:                  DIESEL  
 Number Of Tanks:       1

**HIST UST:**  
 File Number:            0002162D  
 URL:                      <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002162D.pdf>  
 Region:                   Not reported  
 Facility ID:               Not reported  
 Facility Type:            Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RITZ FOOD & EQUIP DIST. (Continued)**

**S101627297**

Other Type: Not reported  
 Contact Name: Not reported  
 Telephone: Not reported  
 Owner Name: Not reported  
 Owner Address: Not reported  
 Owner City,St,Zip: Not reported  
 Total Tanks: Not reported

Tank Num: Not reported  
 Container Num: Not reported  
 Year Installed: Not reported  
 Tank Capacity: Not reported  
 Tank Used for: Not reported  
 Type of Fuel: Not reported  
 Container Construction Thickness: Not reported  
 Leak Detection: Not reported

Click here for Geo Tracker PDF:

**CA FID UST:**

Facility ID: 49002070  
 Regulated By: UTNKA  
 Regulated ID: 00010174  
 Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: 7075454540  
 Mail To: Not reported  
 Mailing Address: 651 YOLANDA AVE  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: SANTA ROSA 95404  
 Contact: Not reported  
 Contact Phone: Not reported  
 DUNS Number: Not reported  
 NPDES Number: Not reported  
 EPA ID: Not reported  
 Comments: Not reported  
 Status: Active

**I43  
 ESE  
 1/8-1/4  
 0.170 mi.  
 895 ft.**

**BURT STREET DEVELOPMENT  
 YOLANDA & PETALUMA ROADS  
 SANTA ROSA, CA 95404**

**ENVIROSTOR S102860966  
 VCP N/A**

**Site 1 of 2 in cluster I**

**Relative:  
 Higher  
 Actual:  
 153 ft.**

ENVIROSTOR:  
 Facility ID: 49010001  
 Status: No Further Action  
 Status Date: 09/10/1997  
 Site Code: 200821  
 Site Type: Voluntary Cleanup  
 Site Type Detailed: Voluntary Cleanup  
 Acres: 34  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Not reported  
 Supervisor: Mark Piros

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURT STREET DEVELOPMENT (Continued)**

**S102860966**

Division Branch: Cleanup Berkeley  
Assembly: 04  
Senate: 02  
Special Program: Voluntary Cleanup Program  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 38.40833  
Longitude: -122.7083  
APN: NONE SPECIFIED  
Past Use: NONE  
Potential COC: NONE SPECIFIED No Contaminants found  
Confirmed COC: No Contaminants found  
Potential Description: NMA  
Alias Name: 110033617236  
Alias Type: EPA (FRS #)  
Alias Name: 200821  
Alias Type: Project Code (Site Code)  
Alias Name: 49010001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/27/1997  
Comments: Signed VCA.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 09/10/1997  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/10/1997  
Comments: Completed VCA. Completed PEA which recommended no further action for DTSC.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

VCP:

Facility ID: 49010001  
Site Type: Voluntary Cleanup  
Site Type Detail: Voluntary Cleanup  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 34

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURT STREET DEVELOPMENT (Continued)**

**S102860966**

National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Not reported  
Supervisor: Mark Piros  
Division Branch: Cleanup Berkeley  
Site Code: 200821  
Assembly: 04  
Senate: 02  
Special Programs Code: Voluntary Cleanup Program  
Status: No Further Action  
Status Date: 09/10/1997  
Restricted Use: NO  
Funding: Responsible Party  
Lat/Long: 38.40833 / -122.7083  
APN: NONE SPECIFIED  
Past Use: NONE  
Potential COC: NONE SPECIFIED,31000  
Confirmed COC: 31000  
Potential Description: NMA  
Alias Name: 110033617236  
Alias Type: EPA (FRS #)  
Alias Name: 200821  
Alias Type: Project Code (Site Code)  
Alias Name: 49010001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 05/27/1997  
Comments: Signed VCA.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 09/10/1997  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/10/1997  
Comments: Completed VCA. Completed PEA which recommended no further action for DTSC.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J44**  
**NW**  
**1/8-1/4**  
**0.170 mi.**  
**898 ft.**

**SIETZ EUROPEAN MOTORS**  
**112 COMMERCIAL COURT 22**  
**SANTA ROSA, CA 95407**

**Site 1 of 3 in cluster J**

**RCRA-SQG** **1000595667**  
**FINDS** **CAD983596198**  
**ECHO**  
**EMI**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 06/27/1991

**Actual:**  
**143 ft.**

Facility name: SIETZ EUROPEAN MOTORS  
Facility address: 112 COMMERCIAL COURT 22  
SANTA ROSA, CA 95407

EPA ID: CAD983596198

Contact: ENRIQUE SEITZ

Contact address: 112 COMMERCIAL COURT 22  
SANTA ROSA, CA 95407

Contact country: US

Contact telephone: 707-544-8505

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: ENRIQUE SIETZ  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: 415-555-1212

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: 415-555-1212

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

**1000595667**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110002853895

**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**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000595667  
Registry ID: 110002853895  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002853895>

**EMI:**

Year: 1987  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
Air District Name: BA  
SIC Code: 3479  
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 Smlr Tons/Yr: 0  
  
Year: 1990  
County Code: 49



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

**1000595667**

Air Basin: SF  
Facility ID: 1709  
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: 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 Smlr Tons/Yr:0

Year: 1995  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 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 Smlr Tons/Yr:0

Year: 1996  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 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 Smlr Tons/Yr:0

Year: 1997  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
Air District Name: BA  
SIC Code: 7532  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

1000595667

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 Smlr Tons/Yr:0

Year: 1998  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 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 Smlr Tons/Yr:0

Year: 1999  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7  
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 Smlr Tons/Yr:0

Year: 2000  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

**1000595667**

Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0  
  
Year: 2001  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7  
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 Smlr Tons/Yr:0

Year: 2002  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 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 Smlr Tons/Yr:0

Year: 2003  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7  
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 Smlr Tons/Yr:0

Year: 2004  
County Code: 49  
Air Basin: SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

**1000595667**

Facility ID: 1709  
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: 5.319  
Reactive Organic Gases Tons/Yr: 4.8949146  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7.176  
Reactive Organic Gases Tons/Yr: 6.694354  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 7.09  
Reactive Organic Gases Tons/Yr: 6.6076892  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2007  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

1000595667

Total Organic Hydrocarbon Gases Tons/Yr: 7.09  
Reactive Organic Gases Tons/Yr: 6.6076892  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2008  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 5.565  
Reactive Organic Gases Tons/Yr: 5.1327154  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 5.1890000000000001  
Reactive Organic Gases Tons/Yr: 4.7722274000000002  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2010  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 4.6849999999999996  
Reactive Organic Gases Tons/Yr: 4.4055992000000002  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

1000595667

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 2.784  
Reactive Organic Gases Tons/Yr: 2.4894958  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 2.391  
Reactive Organic Gases Tons/Yr: 2.1243078  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2013  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 2.391  
Reactive Organic Gases Tons/Yr: 2.1243078  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2014  
County Code: 49  
Air Basin: SF  
Facility ID: 1709

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIETZ EUROPEAN MOTORS (Continued)**

**1000595667**

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: 2.390657782  
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: 2015  
County Code: 49  
Air Basin: SF  
Facility ID: 1709  
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: 2.3906578  
Reactive Organic Gases Tons/Yr: 2.3564669  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

**HAZNET:**

envid: 1000595667  
Year: 2000  
GEPAID: CAD983596198  
Contact: --  
Telephone: --  
Mailing Name: Not reported  
Mailing Address: 112 COMMERCIAL CT STE 2  
Mailing City,St,Zip: SANTA ROSA, CA 954076234  
Gen County: Not reported  
TSD EPA ID: CAD059494310  
TSD County: Not reported  
Waste Category: Oil/water separation sludge  
Disposal Method: Transfer Station  
Tons: 4.58  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J45**  
**NW**  
**1/8-1/4**  
**0.170 mi.**  
**898 ft.**

**BAVARIAN TUNING**  
**112 COMMERCIAL CT**  
**SANTA ROSA, CA**  
**Site 2 of 3 in cluster J**

**AST**    **A100323126**  
           **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**143 ft.**

**AST:**  
 Certified Unified Program Agencies: Santa Rosa  
 Owner: Bavarian Tuning  
 Total Gallons: 1,320  
 CERSID: Not reported  
 Facility ID: Not reported  
 Business Name: Not reported  
 Phone: Not reported  
 Fax: Not reported  
 Mailing Address: Not reported  
 Mailing Address City: Not reported  
 Mailing Address State: Not reported  
 Mailing Address Zip Code: Not reported  
 Operator Name: Not reported  
 Operator Phone: Not reported  
 Owner Phone: Not reported  
 Owner Mail Address: Not reported  
 Owner State: Not reported  
 Owner Zip Code: Not reported  
 Owner Country: Not reported  
 Property Owner Name: Not reported  
 Property Owner Phone: Not reported  
 Property Owner Mailing Address: Not reported  
 Property Owner City: Not reported  
 Property Owner Stat : Not reported  
 Property Owner Zip Code: Not reported  
 Property Owner Country: Not reported  
 EPAID: Not reported

**J46**  
**NW**  
**1/8-1/4**  
**0.170 mi.**  
**898 ft.**

**GOLDEN GATE NORTH**  
**112 COMMERCIAL CT.**  
**SANTA ROSA, CA 95407**  
**Site 3 of 3 in cluster J**

**RCRA-SQG**    **1000175246**  
**FINDS**        **CAD144157435**  
**ECHO**

**Relative:**  
**Lower**  
**Actual:**  
**143 ft.**

**RCRA-SQG:**  
 Date form received by agency: 06/03/1986  
 Facility name: MAACO AUTO PAINTING  
 Facility address: 112 COMMERCIAL COURT  
                           SANTA ROSA, CA 95407  
 EPA ID: CAD144157435  
 Contact: ENVIRONMENTAL MANAGER  
 Contact address: 112 COMMERCIAL COURT  
                           SANTA ROSA, CA 95407  
 Contact country: US  
 Contact telephone: 707-578-8485  
 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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN GATE NORTH (Continued)**

**1000175246**

Owner/Operator Summary:

Owner/operator name: M. JEFFERY  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110001155491

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN GATE NORTH (Continued)**

**1000175246**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

Registry ID: 110055831961

Environmental Interest/Information System  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000175246  
Registry ID: 110001155491  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001155491>

**47**  
**ENE**  
**1/8-1/4**  
**0.207 mi.**  
**1094 ft.**

**KAWANA SPRINGS PIPELINE**  
**KAWANA SPRINGS**  
**SANTA ROSA, CA 95404**

**SLIC S105051100**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**159 ft.**

SLIC:  
Region: STATE  
Facility Status: **Completed - Case Closed**  
Status Date: 12/01/2004  
Global Id: T0609791104  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.416363  
Longitude: -122.70662  
Case Type: Cleanup Program Site  
Case Worker: ZZZ  
Local Agency: SANTA ROSA, CITY OF  
RB Case Number: 1NSR377  
File Location: Regional Board  
Potential Media Affected: Under Investigation  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 1:  
Region: 1  
Facility ID: 1NSR377  
Staff Initials: JEF

MAP FINDINGS

|           |      |             |               |
|-----------|------|-------------|---------------|
| Map ID    |      |             | EDR ID Number |
| Direction |      |             | EPA ID Number |
| Distance  |      |             |               |
| Elevation | Site | Database(s) |               |

|   |   |             |                                 |
|---|---|-------------|---------------------------------|
| <b>I48</b><br><b>ESE</b><br><b>1/8-1/4</b><br><b>0.208 mi.</b><br><b>1097 ft.</b> | <b>DAVIDSON, WILLIAM</b><br><b>800 YOLANDA AVENUE</b><br><b>SANTA ROSA, CA 95404</b><br><br><b>Site 2 of 2 in cluster I</b> | <b>SLIC</b> | <b>S106487415</b><br><b>N/A</b> |
|---|---|-------------|---------------------------------|

|   |  |  |  |
|---|--|--|--|
| <b>Relative:</b><br><b>Higher</b><br><br><b>Actual:</b><br><b>155 ft.</b> | <b>SLIC:</b><br>Region: STATE<br><b>Facility Status: Completed - Case Closed</b><br>Status Date: 11/04/2005<br>Global Id: SL0609752583<br>Lead Agency: NORTH COAST RWQCB (REGION 1)<br>Lead Agency Case Number: Not reported<br>Latitude: 38.412732<br>Longitude: -122.705712<br>Case Type: Cleanup Program Site<br>Case Worker: ZZZ<br>Local Agency: Not reported<br>RB Case Number: 1NSR400<br>File Location: Regional Board<br>Potential Media Affected: Other Groundwater (uses other than drinking water), Under Investigation<br><br>Potential Contaminants of Concern: * Solvents<br>Site History: Not reported |  |  |
|---|--|--|--|

Click here to access the California GeoTracker records for this facility:

|   |   |             |                                 |
|---|---|-------------|---------------------------------|
| <b>K49</b><br><b>SSW</b><br><b>1/8-1/4</b><br><b>0.214 mi.</b><br><b>1130 ft.</b> | <b>HEPPER, TOM</b><br><b>SANTA ROSA AVENUE 2775</b><br><b>SANTA ROSA, CA</b><br><br><b>Site 1 of 2 in cluster K</b> | <b>LUST</b> | <b>S101304972</b><br><b>N/A</b> |
|---|---|-------------|---------------------------------|

|  |   |  |  |
|--|---|--|--|
| <b>Relative:</b><br><b>Lower</b><br><br><b>Actual:</b><br><b>132 ft.</b> | <b>LUST REG 1:</b><br>Region: 1<br>Facility ID: 1TSR099<br>Staff Initials: Closed |  |  |
|--|---|--|--|

|   |   |   |                                 |
|---|---|---|---------------------------------|
| <b>K50</b><br><b>SSW</b><br><b>1/8-1/4</b><br><b>0.214 mi.</b><br><b>1130 ft.</b> | <b>HEPPER, TOM</b><br><b>2775 SANTA ROSA AVENUE</b><br><b>SANTA ROSA, CA 95407</b><br><br><b>Site 2 of 2 in cluster K</b> | <b>LUST</b><br><b>ENF</b><br><b>HAZNET</b><br><b>HIST CORTESE</b><br><b>Notify 65</b> | <b>S100179298</b><br><b>N/A</b> |
|---|---|---|---------------------------------|

|  |   |  |  |
|--|---|--|--|
| <b>Relative:</b><br><b>Lower</b><br><br><b>Actual:</b><br><b>132 ft.</b> | <b>LUST:</b><br>Lead Agency: NORTH COAST RWQCB (REGION 1)<br>Case Type: LUST Cleanup Site<br>Geo Track: <a href="http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700610">http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700610</a><br>Global Id: T0609700610<br>Latitude: 38.4102377555059<br>Longitude: -122.713516326984<br>Status: Completed - Case Closed<br>Status Date: 11/03/1995<br>Case Worker: ZZZ<br>RB Case Number: 1TSR099<br>Local Agency: SANTA ROSA, CITY OF<br>File Location: Not reported<br>Local Case Number: Not reported |  |  |
|--|---|--|--|

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609700610  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700610  
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

LUST:

Global Id: T0609700610  
Action Type: Other  
Date: 07/05/1989  
Action: Leak Discovery

Global Id: T0609700610  
Action Type: ENFORCEMENT  
Date: 09/12/1990  
Action: \* Historical Enforcement

Global Id: T0609700610  
Action Type: Other  
Date: 07/05/1989  
Action: Leak Reported

Global Id: T0609700610  
Action Type: Other  
Date: 07/05/1989  
Action: Leak Stopped

LUST:

Global Id: T0609700610  
Status: Open - Case Begin Date  
Status Date: 07/05/1989

Global Id: T0609700610  
Status: Open - Site Assessment  
Status Date: 07/19/1989

Global Id: T0609700610  
Status: Open - Site Assessment  
Status Date: 09/20/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

Global Id: T0609700610  
Status: Open - Site Assessment  
Status Date: 10/06/1989

Global Id: T0609700610  
Status: Open - Remediation  
Status Date: 04/29/1993

Global Id: T0609700610  
Status: Open - Remediation  
Status Date: 06/16/1993

Global Id: T0609700610  
Status: Open - Site Assessment  
Status Date: 06/16/1993

Global Id: T0609700610  
Status: Open - Verification Monitoring  
Status Date: 06/16/1993

Global Id: T0609700610  
Status: Completed - Case Closed  
Status Date: 11/03/1995

**ENF:**

Region: 1  
Facility Id: 230094  
Agency Name: Not reported  
Place Type: Facility  
Place Subtype: Groundwater Cleanup Site  
Facility Type: All other facilities  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.40957  
Place Longitude: -122.71354  
SIC Code 1: 2844  
SIC Desc 1: Perfumes, Cosmetics, and Other Toilet Preparations  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

|                                   |   |
|-----------------------------------|---|
| 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):              | 221391  |
| Region:                           | 1   |
| Order / Resolution Number:        | 90-183  |
| Enforcement Action Type:          | Clean-up and Abatement Order  |
| Effective Date:                   | 09/12/1990  |
| Adoption/Issuance Date:           | Not reported  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 06/09/1998  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR099NUG Hepper, Tom   |
| Description:                      | PETROLEUM PROD. AFFECTING BENEFICIAL USES OF GW WITH THREATENED CHARGED F/STOCKPILED SOILS. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | 1995-11-03  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HEPPER, TOM (Continued)

S100179298

|                                  |  |
|----------------------------------|--|
| Region:                          | 1  |
| Facility Id:                     | 230094   |
| Agency Name:                     | Not reported                                       |
| Place Type:                      | Facility   |
| Place Subtype:                   | Groundwater Cleanup Site                           |
| Facility Type:                   | All other facilities                               |
| Agency Type:                     | Not reported                                       |
| # Of Agencies:                   | Not reported                                       |
| Place Latitude:                  | 38.40957   |
| Place Longitude:                 | -122.71354   |
| SIC Code 1:                      | 2844   |
| SIC Desc 1:                      | Perfumes, Cosmetics, and Other Toilet Preparations |
| 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                                       |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

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): 221136  
Region: 1  
Order / Resolution Number: LT951103  
Enforcement Action Type: Staff Enforcement Letter  
Effective Date: 11/03/1995  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 11/03/1995  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 1B1SR099NUG Hepper, Tom  
Description: CASE CLOSURE.  
Program: UST  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HAZNET:**

envid: S100179298  
Year: 2016  
GEPaid: CAL000371367  
Contact: RYAN DRAPER  
Telephone: 9724095786  
Mailing Name: Not reported  
Mailing Address: 8000 BENT BRANCH DR  
Mailing City,St,Zip: IRVING, TX 750630000  
Gen County: Sonoma  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0015  
Cat Decode: Not reported  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Sonoma  
  
envid: S100179298  
Year: 2016  
GEPaid: CAL000371367  
Contact: RYAN DRAPER  
Telephone: 9724095786  
Mailing Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

Mailing Address: 8000 BENT BRANCH DR  
Mailing City,St,Zip: IRVING, TX 750630000  
Gen County: Sonoma  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.0035  
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: S100179298  
Year: 2016  
GEPaid: CAL000371367  
Contact: RYAN DRAPER  
Telephone: 9724095786  
Mailing Name: Not reported  
Mailing Address: 8000 BENT BRANCH DR  
Mailing City,St,Zip: IRVING, TX 750630000  
Gen County: Sonoma  
TSD EPA ID: CAD980884183  
TSD County: Sacramento  
Waste Category: Unspecified solvent mixture  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.0105  
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: S100179298  
Year: 2016  
GEPaid: CAL000371367  
Contact: RYAN DRAPER  
Telephone: 9724095786  
Mailing Name: Not reported  
Mailing Address: 8000 BENT BRANCH DR  
Mailing City,St,Zip: IRVING, TX 750630000  
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: 0.029  
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

envid: S100179298  
Year: 2015  
GEPaid: CAL000371367

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HEPPER, TOM (Continued)**

**S100179298**

Contact: RYAN DRAPER  
Telephone: 9724095786  
Mailing Name: Not reported  
Mailing Address: 8000 BENT BRANCH DR  
Mailing City,St,Zip: IRVING, TX 750630000  
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: 0.0045  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access 10 additional CA\_HAZNET: record(s) in the EDR Site Report.

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR099

**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

**L51**  
**WSW**  
**1/8-1/4**  
**0.216 mi.**  
**1142 ft.**

**MANLY AUTOCENTER**  
**2701 CORBY AVENUE**  
**SANTA ROSA, CA 95407**

**Site 1 of 5 in cluster L**

**RCRA-SQG 1000594904**  
**SWEEPS UST CAD983587890**  
**FINDS**  
**ECHO**  
**HAZNET**

**Relative:**  
**Lower**

**RCRA-SQG:**

**Actual:**  
**133 ft.**

Date form received by agency: 10/07/1991  
Facility name: MANLY OLDS GMC  
Facility address: 2701 CORBY AVE  
SANTA ROSA, CA 95407  
EPA ID: CAD983587890  
Mailing address: PO BOX 1629  
SANTA ROSA, CA 95402  
Contact: BRIAN MANLY  
Contact address: 2701 CORBY AVE  
SANTA ROSA, CA 95407  
Contact country: US  
Contact telephone: 707-545-7212  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY AUTOCENTER (Continued)**

**1000594904**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: WILLIAM MANLY  
Owner/operator address: P O BOX 1655  
SANTA ROSA, CA 95402  
Owner/operator country: Not reported  
Owner/operator telephone: 707-542-5377  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

SWEEPS UST:

Status: Active  
Comp Number: 165  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 12-27-93

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY AUTOCENTER (Continued)**

**1000594904**

Action Date: 06-24-94  
Created Date: 06-24-94  
Owner Tank Id: J35114  
SWRCB Tank Id: 49-060-000165-000001  
Tank Status: A  
Capacity: 1000  
Active Date: 12-27-93  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: 1

**FINDS:**

Registry ID: 110013818921

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.

Registry ID: 110055721063

Environmental Interest/Information System

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000594904  
Registry ID: 110013818921  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110013818921>

**HAZNET:**

envid: 1000594904  
Year: 2013  
GEPID: CAD983587890  
Contact: BRIAN MANLY PRES.  
Telephone: 7075351101  
Mailing Name: Not reported  
Mailing Address: PO BOX 1629  
Mailing City,St,Zip: SANTA ROSA, CA 954021629  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY AUTOCENTER (Continued)**

**1000594904**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)

Tons: 0.05  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

envid: 1000594904  
Year: 2013  
GEPaid: CAD983587890  
Contact: BRIAN MANLY PRES.  
Telephone: 7075351101  
Mailing Name: Not reported  
Mailing Address: PO BOX 1629  
Mailing City,St,Zip: SANTA ROSA, CA 954021629  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.02085  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

envid: 1000594904  
Year: 2013  
GEPaid: CAD983587890  
Contact: BRIAN MANLY PRES.  
Telephone: 7075351101  
Mailing Name: Not reported  
Mailing Address: PO BOX 1629  
Mailing City,St,Zip: SANTA ROSA, CA 954021629  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.05  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

envid: 1000594904  
Year: 2012  
GEPaid: CAD983587890  
Contact: BRIAN MANLY PRES.  
Telephone: 7075351101  
Mailing Name: Not reported  
Mailing Address: PO BOX 1629  
Mailing City,St,Zip: SANTA ROSA, CA 954021629  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY AUTOCENTER (Continued)**

**1000594904**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.1251  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma  
  
envid: 1000594904  
Year: 2010  
GEPaid: CAD983587890  
Contact: BRIAN MANLY PRES.  
Telephone: 7075351101  
Mailing Name: Not reported  
Mailing Address: PO BOX 1629  
Mailing City,St,Zip: SANTA ROSA, CA 954021629  
Gen County: Not reported  
TSD EPA ID: CAD980887418  
TSD County: Not reported  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.0417  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
64 additional CA\_HAZNET: record(s) in the EDR Site Report.

L52  
WSW  
1/8-1/4  
0.216 mi.  
1142 ft.

**MANLY AUTOCENTER**  
**2701 CORBY**  
**SANTA ROSA, CA**  
**Site 2 of 5 in cluster L**

**AST 1006823329**  
**EMI N/A**

**Relative:**  
**Lower**  
**Actual:**  
**133 ft.**

AST:  
Certified Unified Program Agencies: Santa Rosa  
Owner: Manly Autocenter  
Total Gallons: 1,320  
CERSID: Not reported  
Facility ID: Not reported  
Business Name: Not reported  
Phone: Not reported  
Fax: Not reported  
Mailing Address: Not reported  
Mailing Address City: Not reported  
Mailing Address State: Not reported  
Mailing Address Zip Code: Not reported  
Operator Name: Not reported  
Operator Phone: Not reported  
Owner Phone: Not reported  
Owner Mail Address: Not reported  
Owner State: Not reported  
Owner Zip Code: Not reported  
Owner Country: Not reported  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY AUTOCENTER (Continued)**

**1006823329**

Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: Not reported

**EMI:**

Year: 1999  
County Code: 49  
Air Basin: SF  
Facility ID: 12379  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000  
County Code: 49  
Air Basin: SF  
Facility ID: 12379  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001  
County Code: 49  
Air Basin: SF  
Facility ID: 12379  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 0  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

MAP FINDINGS

|           |      |             |               |
|-----------|------|-------------|---------------|
| Map ID    |      |             | EDR ID Number |
| Direction |      |             | EPA ID Number |
| Distance  |      |             |               |
| Elevation | Site | Database(s) |               |

|   |   |            |                                 |
|---|---|------------|---------------------------------|
| <b>L53</b><br><b>WSW</b><br><b>1/8-1/4</b><br><b>0.216 mi.</b><br><b>1142 ft.</b> | <b>MANLY OLDSMOBILE - GMC, INC.</b><br><b>2701 CORBY AVENUE</b><br><b>SANTA ROSA, CA 95407</b><br><br><b>Site 3 of 5 in cluster L</b> | <b>UST</b> | <b>U003783072</b><br><b>N/A</b> |
| <b>Relative:</b><br><b>Lower</b><br><br><b>Actual:</b><br><b>133 ft.</b>          | <b>UST:</b><br>Facility ID: 49-060-000011<br>Permitting Agency: SANTA ROSA, CITY OF<br>Latitude: 38.413206<br>Longitude: -122.717463  |            |                                 |

|   |  |   |  |
|---|--|---|--|
| <b>L54</b><br><b>WSW</b><br><b>1/8-1/4</b><br><b>0.220 mi.</b><br><b>1163 ft.</b> | <b>MANLY OLDS GMC TRUCK</b><br><b>2755 CORBY AVE</b><br><b>SANTA ROSA, CA 95401</b><br><br><b>Site 4 of 5 in cluster L</b>   | <b>HIST UST</b><br><b>CA FID UST</b><br><b>RCRA NonGen / NLR</b><br><b>FINDS</b><br><b>ECHO</b> | <b>1000293466</b><br><b>CAD981441405</b> |
| <b>Relative:</b><br><b>Lower</b><br><br><b>Actual:</b><br><b>133 ft.</b>          | <b>HIST UST:</b><br>File Number: 00021B71<br>URL: <a href="http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021B71.pdf">http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021B71.pdf</a><br>Region: STATE<br>Facility ID: 00000002684<br>Facility Type: Other<br>Other Type: Not reported<br>Contact Name: BRIAN MANLY<br>Telephone: 7075457212<br>Owner Name: MANLY OLDS-GMC INC.<br>Owner Address: 2755 CORBY AVE<br>Owner City,St,Zip: SANTA ROSA, CA 95401<br>Total Tanks: 0004<br><br>Tank Num: 001<br>Container Num: 1<br>Year Installed: 1983<br>Tank Capacity: 00001000<br>Tank Used for: PRODUCT<br>Type of Fuel: REGULAR<br>Container Construction Thickness: 12<br>Leak Detection: Visual, Stock Inventor<br><br>Tank Num: 002<br>Container Num: 2<br>Year Installed: 1983<br>Tank Capacity: 00001000<br>Tank Used for: PRODUCT<br>Type of Fuel: UNLEADED<br>Container Construction Thickness: 12<br>Leak Detection: Visual, Stock Inventor<br><br>Tank Num: 003<br>Container Num: 3<br>Year Installed: 1983<br>Tank Capacity: 00000550<br>Tank Used for: PRODUCT<br>Type of Fuel: Not reported<br>Container Construction Thickness: 12<br>Leak Detection: Visual, Stock Inventor<br><br>Tank Num: 004 |   |  |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY OLDS GMC TRUCK (Continued)**

**1000293466**

Container Num: 4  
Year Installed: 1983  
Tank Capacity: 00000550  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: 12  
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 49001501  
Regulated By: UTNKA  
Regulated ID: 00002684  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075457212  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95401  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**RCRA NonGen / NLR:**

Date form received by agency: 09/04/1986  
Facility name: MANLY OLDS GMC TRUCK  
Facility address: 2755 CORBY AVE  
SANTA ROSA, CA 95401  
EPA ID: CAD981441405  
Mailing address: 2755 CORBY AVE PO BOX 1629  
SANTA ROSA, CA 95401  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2755 CORBY AVE  
SANTA ROSA, CA 95401  
Contact country: US  
Contact telephone: 707-584-8220  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: BRIAN MANLY  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY OLDS GMC TRUCK (Continued)**

**1000293466**

Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002706563

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110057106778

Environmental Interest/Information System

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY OLDS GMC TRUCK (Continued)**

**1000293466**

ECHO:

Envid: 1000293466  
Registry ID: 110002706563  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002706563>

**L55**  
**WSW**  
**1/8-1/4**  
**0.220 mi.**  
**1163 ft.**

**MANLY MITSUBISHI**  
**2755 CORBY AVENUE**  
**SANTA ROSA, CA 95407**

**Site 5 of 5 in cluster L**

**LUST** **S100939492**  
**SWEEPS UST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**133 ft.**

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700718](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700718)  
Global Id: T0609700718  
Latitude: 38.4123027198207  
Longitude: -122.716989024606  
Status: Completed - Case Closed  
Status Date: 08/14/1995  
Case Worker: ZZZ  
RB Case Number: 1TSR271  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

LUST:

Global Id: T0609700718  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700718  
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](mailto:craig.hunt@waterboards.ca.gov)  
Phone Number: 7075762220

LUST:

Global Id: T0609700718  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Stopped

Global Id: T0609700718  
Action Type: Other  
Date: 09/20/1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY MITSUBISHI (Continued)**

**S100939492**

Action: Leak Reported

Global Id: T0609700718

Action Type: Other

Date: 09/20/1993

Action: Leak Discovery

LUST:

Global Id: T0609700718

Status: Open - Case Begin Date

Status Date: 09/20/1993

Global Id: T0609700718

Status: Open - Site Assessment

Status Date: 09/30/1993

Global Id: T0609700718

Status: Open - Remediation

Status Date: 08/13/1995

Global Id: T0609700718

Status: Open - Site Assessment

Status Date: 08/13/1995

Global Id: T0609700718

Status: Open - Verification Monitoring

Status Date: 08/13/1995

Global Id: T0609700718

Status: Completed - Case Closed

Status Date: 08/14/1995

LUST REG 1:

Region: 1

Facility ID: 1TSR271

Staff Initials: Closed

SWEEPS UST:

Status: Not reported

Comp Number: 2684

Number: Not reported

Board Of Equalization: 44-028148

Referral Date: Not reported

Action Date: Not reported

Created Date: Not reported

Owner Tank Id: Not reported

SWRCB Tank Id: 49-060-002684-000001

Tank Status: Not reported

Capacity: 1000

Active Date: Not reported

Tank Use: M.V. FUEL

STG: PRODUCT

Content: LEADED

Number Of Tanks: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY MITSUBISHI (Continued)**

**S100939492**

Status: Not reported  
Comp Number: 2684  
Number: Not reported  
Board Of Equalization: 44-028148  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-002684-000002  
Tank Status: Not reported  
Capacity: 1000  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 2684  
Number: Not reported  
Board Of Equalization: 44-028148  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-002684-000003  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: OIL  
STG: PRODUCT  
Content: MOTOR OIL  
Number Of Tanks: Not reported

Status: Not reported  
Comp Number: 2684  
Number: Not reported  
Board Of Equalization: 44-028148  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-002684-000004  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR271

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M56**  
**NNW**  
**1/8-1/4**  
**0.221 mi.**  
**1165 ft.**  
**Site 1 of 6 in cluster M**

**LUST** **S101304970**  
**HIST CORTESE** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**144 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700536](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700536)  
Global Id: T0609700536  
Latitude: 38.4168817  
Longitude: -122.7135779  
Status: Completed - Case Closed  
Status Date: 01/22/1996  
Case Worker: ZZZ  
RB Case Number: 1TSR012  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T0609700536  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700536  
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

**LUST:**  
Global Id: T0609700536  
Action Type: ENFORCEMENT  
Date: 01/22/1996  
Action: \* Historical Enforcement  
  
Global Id: T0609700536  
Action Type: Other  
Date: 07/02/1986  
Action: Leak Discovery  
  
Global Id: T0609700536  
Action Type: Other  
Date: 07/02/1986  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**S & W INVESTMENTS (Continued)**

**S101304970**

Global Id: T0609700536  
Action Type: Other  
Date: 07/02/1986  
Action: Leak Stopped

LUST:

Global Id: T0609700536  
Status: Open - Case Begin Date  
Status Date: 07/02/1986

Global Id: T0609700536  
Status: Open - Site Assessment  
Status Date: 08/28/1987

Global Id: T0609700536  
Status: Open - Site Assessment  
Status Date: 06/20/1990

Global Id: T0609700536  
Status: Open - Site Assessment  
Status Date: 08/17/1990

Global Id: T0609700536  
Status: Open - Remediation  
Status Date: 01/21/1996

Global Id: T0609700536  
Status: Open - Site Assessment  
Status Date: 01/21/1996

Global Id: T0609700536  
Status: Open - Verification Monitoring  
Status Date: 01/21/1996

Global Id: T0609700536  
Status: Completed - Case Closed  
Status Date: 01/22/1996

LUST REG 1:

Region: 1  
Facility ID: 1TSR012  
Staff Initials: Closed

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR012

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**M57**  
**NNW**  
**1/8-1/4**  
**0.222 mi.**  
**1172 ft.**

**SMOTHERS AUTO CTR. INC.**  
**2157 SANTA ROSA AVE**  
**SANTA ROSA, CA 95407**

**SWEEPS UST**    **S101627379**  
**CA FID UST**    **N/A**

**Site 2 of 6 in cluster M**

**Relative:**  
**Lower**  
**Actual:**  
**144 ft.**

**SWEEPS UST:**  
 Status: Active  
 Comp Number: 2667  
 Number: 9  
 Board Of Equalization: Not reported  
 Referral Date: 07-01-85  
 Action Date: Not reported  
 Created Date: 02-29-88  
 Owner Tank Id: ONE  
 SWRCB Tank Id: 49-060-002667-000001  
 Tank Status: A  
 Capacity: 300  
 Active Date: 07-01-85  
 Tank Use: OIL  
 STG: W  
 Content: WASTE OIL  
 Number Of Tanks: 1

**CA FID UST:**  
 Facility ID: 49003668  
 Regulated By: UTNKA  
 Regulated ID: 00002667  
 Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: 7075441495  
 Mail To: Not reported  
 Mailing Address: 2157 SANTA ROSA AVE  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: SANTA ROSA 95407  
 Contact: Not reported  
 Contact Phone: Not reported  
 DUNs Number: Not reported  
 NPDES Number: Not reported  
 EPA ID: Not reported  
 Comments: Not reported  
 Status: Active

**M58**  
**NNW**  
**1/8-1/4**  
**0.222 mi.**  
**1172 ft.**

**SMOTHERS AUTO CTR INC**  
**2157 SANTA ROSA AVE**  
**SANTA ROSA, CA 95407**

**HIST UST**    **U001609578**  
**N/A**

**Site 3 of 6 in cluster M**

**Relative:**  
**Lower**  
**Actual:**  
**144 ft.**

**HIST UST:**  
 File Number: 000216B2  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216B2.pdf>  
 Region: STATE  
 Facility ID: 00000002667  
 Facility Type: Other  
 Other Type: AUTO REPAIR  
 Contact Name: TONY TOBON  
 Telephone: 7075441495  
 Owner Name: S & W INVESTMENTS



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SMOTHERS AUTO CTR INC (Continued)**

**U001609578**

Owner Address: 2155 SANTA ROSA AVE  
 Owner City,St,Zip: SANTA ROSA, CA 5407  
 Total Tanks: 0001  
  
 Tank Num: 001  
 Container Num: ONE  
 Year Installed: 1979  
 Tank Capacity: 00000300  
 Tank Used for: WASTE  
 Type of Fuel: WASTE OIL  
 Container Construction Thickness: Not reported  
 Leak Detection: None

Click here for Geo Tracker PDF:

**N59**  
**West**  
**1/8-1/4**  
**0.226 mi.**  
**1192 ft.**

**SHELL**  
**2575 CORBY AVENUE**  
**SANTA ROSA, CA 95407**  
  
**Site 1 of 11 in cluster N**

**LUST** **1000288604**  
**SWEEPS UST** **N/A**  
**CUPA Listings**  
**HAZNET**  
**HIST CORTESE**

**Relative:**  
**Lower**  
  
**Actual:**  
**137 ft.**

**LUST:**  
 Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700103](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700103)  
 Global Id: T0609700103  
 Latitude: 38.4145932089612  
 Longitude: -122.717846764438  
 Status: Completed - Case Closed  
 Status Date: 12/13/2013  
 Case Worker: ZZZ  
 RB Case Number: 1TSO135  
 Local Agency: SONOMA COUNTY LOP  
 File Location: Regional Board  
 Local Case Number: 00002097  
 Potential Media Affect: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
 Site History: Problem Description In July 1987, soil samples collected during the removal of a 550-gallon waste oil underground storage tank (UST) indicated petroleum releases from the waste-oil UST. In 1998, site investigation revealed additional petroleum releases from petroleum product distribution piping. In November and December 2002, soil and groundwater sampling conducted during the installation of replacement fuel storage USTs indicated that petroleum was also released from the fuel USTs. Actions Completed Between October 1988 and September 2004, Shell Oil Products US (Shell) advanced eleven exploratory borings and installed thirty-five groundwater monitoring and extraction wells. Shell used the wells to define the extent of contamination in soil and groundwater and to conduct groundwater extraction and treatment. Between October 2005 and November 2008, Shell operated a groundwater extraction and treatment system. Shell removed and treated approximately 1.7 million gallons of petroleum impacted groundwater. Shell conducted periodic groundwater monitoring from 1992 to 2012. In October 2012, a review of the site conditions determined that the site meets the case closure criteria specified in the Low-Threat Underground Storage Tank Case Closure Policy (Policy).

LUST:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Global Id: T0609700103  
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

**LUST:**

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 11/05/2012  
Action: Other Report / Document

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 02/25/2013  
Action: Verbal Enforcement

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 01/13/2009  
Action: 13267 Monitoring Program

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 01/23/2013  
Action: Staff Letter

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 09/30/2008  
Action: Correspondence

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 06/05/2003  
Action: Site Visit / Inspection / Sampling

Global Id: T0609700103  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Date: 08/13/2002  
Action: Staff Letter

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 11/04/2013  
Action: Staff Letter

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 03/01/2004  
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 03/04/2004  
Action: Staff Letter

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 06/03/2004  
Action: Staff Letter

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 02/13/2013  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 12/22/2009  
Action: File review

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 12/30/2004  
Action: CAP/RAP - Other Report

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 12/12/2013  
Action: Well Destruction Report

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 07/31/2009  
Action: Monitoring Report - Semi-Annually

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

|              |   |
|--------------|---|
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 04/30/2011                                    |
| Action:      | Monitoring Report - Semi-Annually             |
| Global Id:   | T0609700103                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 07/28/2009                                    |
| Action:      | File review                                   |
| Global Id:   | T0609700103                                   |
| Action Type: | ENFORCEMENT                                   |
| Date:        | 07/30/2009                                    |
| Action:      | 13267 Monitoring Program                      |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 10/31/2010                                    |
| Action:      | Monitoring Report - Semi-Annually             |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 03/30/2004                                    |
| Action:      | Other Report / Document                       |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 01/30/2004                                    |
| Action:      | Corrective Action Plan / Remedial Action Plan |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 07/30/2003                                    |
| Action:      | Monitoring Report - Quarterly                 |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 10/31/2011                                    |
| Action:      | Monitoring Report - Semi-Annually             |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 10/30/2003                                    |
| Action:      | Monitoring Report - Quarterly                 |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 10/31/2008                                    |
| Action:      | Monitoring Report - Quarterly                 |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |
| Date:        | 05/31/2002                                    |
| Action:      | Corrective Action Plan / Remedial Action Plan |
| Global Id:   | T0609700103                                   |
| Action Type: | RESPONSE                                      |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Date: 05/31/2002  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 06/30/2012  
Action: Conceptual Site Model

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 10/31/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 12/03/2012  
Action: Correspondence

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 09/08/1988  
Action: \* Historical Enforcement

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 08/09/2012  
Action: Staff Letter

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 01/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 10/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 07/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 01/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 07/30/2008  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

|              |  |
|--------------|--|
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 07/30/2008                                   |
| Action:      | Verbal Enforcement                           |
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 07/01/2005                                   |
| Action:      | File review                                  |
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 08/15/2003                                   |
| Action:      | File review                                  |
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 12/19/2012                                   |
| Action:      | Staff Letter                                 |
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 10/03/2012                                   |
| Action:      | Staff Letter                                 |
| Global Id:   | T0609700103                                  |
| Action Type: | ENFORCEMENT                                  |
| Date:        | 10/03/2012                                   |
| Action:      | Notification - Public Notice of Case Closure |
| Global Id:   | T0609700103                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 10/31/2009                                   |
| Action:      | Monitoring Report - Semi-Annually            |
| Global Id:   | T0609700103                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 01/30/2009                                   |
| Action:      | Monitoring Report - Quarterly                |
| Global Id:   | T0609700103                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 10/30/2007                                   |
| Action:      | Monitoring Report - Quarterly                |
| Global Id:   | T0609700103                                  |
| Action Type: | RESPONSE                                     |
| Date:        | 04/30/2004                                   |
| Action:      | Monitoring Report - Quarterly                |
| Global Id:   | T0609700103                                  |
| Action Type: | Other  |
| Date:        | 08/17/1987                                   |
| Action:      | Leak Reported                                |
| Global Id:   | T0609700103                                  |
| Action Type: | RESPONSE                                     |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Date: 10/31/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 07/31/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: Other  
Date: 08/17/1987  
Action: Leak Discovery

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 11/20/2003  
Action: Staff Letter

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 07/30/2009  
Action: Staff Letter

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 07/01/2003  
Action: \* Verbal Communication

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 04/30/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700103  
Action Type: RESPONSE  
Date: 01/30/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700103  
Action Type: Other  
Date: 08/17/1987  
Action: Leak Stopped

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 02/17/2012  
Action: Staff Letter

Global Id: T0609700103  
Action Type: REMEDIATION  
Date: 10/21/2005  
Action: Pump & Treat (P&T) Groundwater

Global Id: T0609700103  
Action Type: ENFORCEMENT  
Date: 12/12/2013  
Action: Closure/No Further Action Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

LUST:

Global Id: T0609700103  
Status: Open - Case Begin Date  
Status Date: 08/17/1987

Global Id: T0609700103  
Status: Open - Site Assessment  
Status Date: 09/11/1987

Global Id: T0609700103  
Status: Open - Site Assessment  
Status Date: 04/18/1988

Global Id: T0609700103  
Status: Open - Site Assessment  
Status Date: 09/04/1991

Global Id: T0609700103  
Status: Open - Site Assessment  
Status Date: 10/15/2001

Global Id: T0609700103  
Status: Open - Remediation  
Status Date: 02/02/2004

Global Id: T0609700103  
Status: Open - Remediation  
Status Date: 02/23/2004

Global Id: T0609700103  
Status: Open - Remediation  
Status Date: 12/10/2005

Global Id: T0609700103  
Status: Open - Verification Monitoring  
Status Date: 01/05/2009

Global Id: T0609700103  
Status: Open - Eligible for Closure  
Status Date: 10/03/2012

Global Id: T0609700103  
Status: Completed - Case Closed  
Status Date: 12/13/2013

LUST REG 1:

Region: 1  
Facility ID: 1TSO135  
Staff Initials: JAT

SWEEPS UST:

Status: Active  
Comp Number: 67170  
Number: 9  
Board Of Equalization: 44-028391



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-067170-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4

Status: Active  
Comp Number: 67170  
Number: 9  
Board Of Equalization: 44-028391  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-067170-000002  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 67170  
Number: 9  
Board Of Equalization: 44-028391  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-067170-000003  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 67170  
Number: 9  
Board Of Equalization: 44-028391  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 4  
SWRCB Tank Id: 49-060-067170-000004  
Tank Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Capacity: 550  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**CUPA SONOMA:**

Facility ID: 49-000-000217  
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: Not reported  
CERS ID: 10101136  
Expiration Date: 03/24/2019

Facility ID: 49-000-000217  
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: Permit to Operate - 3 tanks  
CERS ID: 10101136  
Expiration Date: 03/24/2019

Facility ID: 49-000-000217  
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 gallons/month (non-exempt)  
CERS ID: 10101136  
Expiration Date: 03/24/2019

**HAZNET:**

envid: 1000288604  
Year: 2015  
GEPaid: CAL000104394  
Contact: MALKIAT S DHILLON/PRESIDENT  
Telephone: 9167325502  
Mailing Name: Not reported  
Mailing Address: 3513 SERENITY CT  
Mailing City,St,Zip: FAIRFIELD, CA 945348640

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (Continued)**

**1000288604**

Gen County: Sonoma  
TSD EPA ID: UTD981552177  
TSD County: 99  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.229  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000288604  
Year: 2013  
GEPaid: CAL000104394  
Contact: MALKIAT S DHILLON/PRESIDENT  
Telephone: 9167325502  
Mailing Name: Not reported  
Mailing Address: 3513 SERENITY CT  
Mailing City,St,Zip: FAIRFIELD, CA 945348640  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0375  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

envid: 1000288604  
Year: 2013  
GEPaid: CAL000104394  
Contact: MALKIAT S DHILLON/PRESIDENT  
Telephone: 9167325502  
Mailing Name: Not reported  
Mailing Address: 3513 SERENITY CT  
Mailing City,St,Zip: FAIRFIELD, CA 945348640  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported  
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)  
Tons: 0.1668  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSO135

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**N60**  
**West**  
**1/8-1/4**  
**0.226 mi.**  
**1192 ft.**

**SHELL SERVICE STATION**  
**2575 CORBY DR**  
**SANTA ROSA, CA 95407**  
**Site 2 of 11 in cluster N**

**RCRA-SQG** 1004678492  
**LUST** CAR000109736  
**FINDS**  
**ECHO**  
**HAZNET**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 11/29/2001

**Actual:**  
**137 ft.**

Facility name: SHELL SERVICE STATION  
Facility address: 2575 CORBY DR

S A P 136095  
SANTA ROSA, CA 95407

EPA ID: CAR000109736

Mailing address: P O BOX 2648  
HOUSTON, TX 77252-2648

Contact: SONDRA BIENVENU

Contact address: P O BOX 2648  
HOUSTON, TX 77252-2648

Contact country: US

Contact telephone: 713-241-5036

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: EQUILON ENTERPRISES L L C

Owner/operator address: P O BOX 2648  
HOUSTON, TX 77252

Owner/operator country: Not reported

Owner/operator telephone: 713-241-5036

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1004678492**

Used oil transporter: No  
Waste code: D001  
Waste name: IGNITABLE WASTE  
Violation Status: No violations found

**SONOMA CO. LUST:**

Region: SONOMA  
Regional Board: 1TSO135  
Closed or Referred: Referred  
Confirm Date: 05/11/2000  
LOP Number: 00002097  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700103

**FINDS:**

Registry ID: 110055720509

Environmental Interest/Information System  
STATE MASTER

Registry ID: 110012235198

Environmental Interest/Information System  
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1004678492  
Registry ID: 110012235198  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012235198>

**HAZNET:**

envid: 1004678492  
Year: 2009  
GEPaid: CAR000109736  
Contact: R HULL/ENV. REPORTING ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DR 300G03

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1004678492**

Mailing City,St,Zip: Houston, TX 770670000  
Gen County: Not reported  
TSD EPA ID: CAD008302903  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.0675  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1004678492  
Year: 2007  
GEPaid: CAR000109736  
Contact: R HULL/ENV. REPORTING ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DR 300G03  
Mailing City,St,Zip: Houston, TX 770670000  
Gen County: Not reported  
TSD EPA ID: NVT330010000  
TSD County: Not reported  
Waste Category: Alkaline solution without metals pH >= 12.5  
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill( To Include On-Site Treatment And/Or Stabilization)  
Tons: 0.45  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1004678492  
Year: 2006  
GEPaid: CAR000109736  
Contact: R HULL/ENV. REPORTING ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DR 300G03  
Mailing City,St,Zip: Houston, TX 770670000  
Gen County: Not reported  
TSD EPA ID: WAD991281767  
TSD County: Not reported  
Waste Category: Other inorganic solid waste  
Disposal Method: Treatment, Incineration  
Tons: 0.02  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1004678492  
Year: 2003  
GEPaid: CAR000109736  
Contact: NORA CORTEZ/ENVTL DATA ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DRIVE  
Mailing City,St,Zip: Houston, TX 770672508

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL SERVICE STATION (Continued)**

**1004678492**

Gen County: Not reported  
TSD EPA ID: WAD991281767  
TSD County: Not reported  
Waste Category: Other organic solids  
Disposal Method: Recycler  
Tons: 0.03  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1004678492  
Year: 2002  
GEPaid: CAR000109736  
Contact: NORA CORTEZ/ENVTL DATA ANALYST  
Telephone: 2818742224  
Mailing Name: Not reported  
Mailing Address: 12700 NORTHBOROUGH DRIVE  
Mailing City,St,Zip: Houston, TX 770672508  
Gen County: Not reported  
TSD EPA ID: CAD009466392  
TSD County: Not reported  
Waste Category: Other empty containers 30 gallons or more  
Disposal Method: Disposal, Other  
Tons: 10  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
2 additional CA\_HAZNET: record(s) in the EDR Site Report.

**N61** **CORBY SHELL**  
**West** **2575 CORBY AVENUE**  
**1/8-1/4** **SANTA ROSA, CA 95407**  
**0.226 mi.**  
**1192 ft.** **Site 3 of 11 in cluster N**

**UST** **U004050059**  
**N/A**

**Relative:** UST:  
**Lower** Facility ID: 49-000-000217  
Permitting Agency: Santa Rosa City Fire Department  
**Actual:** Latitude: 38.414641  
**137 ft.** Longitude: -122.717678

Facility ID: 49-000-000217  
Permitting Agency: SONOMA COUNTY  
Latitude: 38.4160592  
Longitude: -122.7164732

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**N62**            **COLBY AVENUE SHELL**  
**West**         **2575 CORBY AVE**  
**1/8-1/4**       **SANTA ROSA, CA 95407**  
**0.226 mi.**  
**1192 ft.**       **Site 4 of 11 in cluster N**

**SWEEPS UST**    **S101627368**  
**CA FID UST**     **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**137 ft.**

**SWEEPS UST:**

Status: Active  
 Comp Number: 2097  
 Number: 1  
 Board Of Equalization: 44-027940  
 Referral Date: 08-19-91  
 Action Date: 08-19-91  
 Created Date: 03-31-89  
 Owner Tank Id: 69962508-2RU-1  
 SWRCB Tank Id: 49-000-002097-000001  
 Tank Status: A  
 Capacity: 10000  
 Active Date: 08-19-91  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: REG UNLEADED  
 Number Of Tanks: 4

Status: Active  
 Comp Number: 2097  
 Number: 1  
 Board Of Equalization: 44-027940  
 Referral Date: 08-19-91  
 Action Date: 08-19-91  
 Created Date: 03-31-89  
 Owner Tank Id: 699625081-SU-1  
 SWRCB Tank Id: 49-000-002097-000002  
 Tank Status: A  
 Capacity: 10000  
 Active Date: 08-19-91  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: REG UNLEADED  
 Number Of Tanks: Not reported

Status: Active  
 Comp Number: 2097  
 Number: 1  
 Board Of Equalization: 44-027940  
 Referral Date: 08-19-91  
 Action Date: 08-19-91  
 Created Date: 03-31-89  
 Owner Tank Id: 699625083-REG1  
 SWRCB Tank Id: 49-000-002097-000003  
 Tank Status: A  
 Capacity: 10000  
 Active Date: 08-19-91  
 Tank Use: M.V. FUEL  
 STG: P  
 Content: LEADED  
 Number Of Tanks: Not reported

Status: Active



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLBY AVENUE SHELL (Continued)**

**S101627368**

Comp Number: 2097  
Number: 1  
Board Of Equalization: 44-027940  
Referral Date: 08-19-91  
Action Date: 08-19-91  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-002097-000004  
Tank Status: A  
Capacity: 1  
Active Date: 10-05-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

**CA FID UST:**

Facility ID: 49000126  
Regulated By: UTNKA  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075445240  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

Facility ID: 49000126  
Regulated By: UTNKA  
Regulated ID: 00067170  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075445240  
Mail To: Not reported  
Mailing Address: 2575 CORBY  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**N63**  
**West**  
**1/8-1/4**  
**0.226 mi.**  
**1192 ft.**

**PAUL M KALTENBACH**  
**2575 CORBY**  
**SANTA ROSA, CA 95407**

**Site 5 of 11 in cluster N**

**HIST UST**    **U001609566**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**137 ft.**

**HIST UST:**

File Number: 00021705  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021705.pdf>  
 Region: STATE  
 Facility ID: 00000067170  
 Facility Type: Gas Station  
 Other Type: Not reported  
 Contact Name: Not reported  
 Telephone: 7075445240  
 Owner Name: SHELL OIL CO.  
 Owner Address: P.O. BOX 4748  
 Owner City,St,Zip: ANAHEIM, CA 92803  
 Total Tanks: 0004

Tank Num: 001  
 Container Num: 1  
 Year Installed: 1980  
 Tank Capacity: 00010000  
 Tank Used for: WASTE  
 Type of Fuel: 1  
 Container Construction Thickness: /4 2  
 Leak Detection: Stock Inventor, 10

Tank Num: 002  
 Container Num: 2  
 Year Installed: 1980  
 Tank Capacity: 00010000  
 Tank Used for: PRODUCT  
 Type of Fuel: REGULAR  
 Container Construction Thickness: 1/4  
 Leak Detection: Stock Inventor, 10

Tank Num: 003  
 Container Num: 3  
 Year Installed: 1980  
 Tank Capacity: 00010000  
 Tank Used for: PRODUCT  
 Type of Fuel: PREMIUM  
 Container Construction Thickness: 1/4  
 Leak Detection: Stock Inventor, 10

Tank Num: 004  
 Container Num: 4  
 Year Installed: Not reported  
 Tank Capacity: 00000550  
 Tank Used for: WASTE  
 Type of Fuel: WASTE OIL  
 Container Construction Thickness: 12  
 Leak Detection: None

[Click here for Geo Tracker PDF:](#)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

M64  
NNW  
1/8-1/4  
0.229 mi.  
1211 ft.

**OE'S PERFORMANCE**  
**SANTA ROSA AVENUE 2151**  
**SANTA ROSA, CA**

Site 4 of 6 in cluster M

LUST S104163217  
N/A

Relative:  
Lower  
Actual:  
145 ft.

LUST REG 1:  
Region: 1  
Facility ID: 1TSR280  
Staff Initials: Closed

M65  
NNW  
1/8-1/4  
0.229 mi.  
1211 ft.

**JOE'S PERFORMANCE TOWING INC.**  
**2151 SANTA ROSA**  
**SANTA ROSA, CA 95407**

Site 5 of 6 in cluster M

SWEEPS UST S101627363  
HIST UST N/A  
CA FID UST

Relative:  
Lower  
Actual:  
145 ft.

SWEEPS UST:  
Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-023826-000001  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: 6  
  
Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-023826-000002  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: LEADED  
Number Of Tanks: Not reported  
  
Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE'S PERFORMANCE TOWING INC. (Continued)**

**S101627363**

SWRCB Tank Id: 49-060-023826-000003  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-023826-000004  
Tank Status: A  
Capacity: 1000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-023826-000005  
Tank Status: A  
Capacity: 1000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: DIESEL  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 23826  
Number: 9  
Board Of Equalization: 44-028221  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-023826-000006  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE'S PERFORMANCE TOWING INC. (Continued)**

**S101627363**

Content: WASTE OIL  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 000219FF  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000219FF.pdf>  
Region: Not reported  
Facility ID: Not reported  
Facility Type: Not reported  
Other Type: Not reported  
Contact Name: Not reported  
Telephone: Not reported  
Owner Name: Not reported  
Owner Address: Not reported  
Owner City,St,Zip: Not reported  
Total Tanks: Not reported

Tank Num: Not reported  
Container Num: Not reported  
Year Installed: Not reported  
Tank Capacity: Not reported  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 49002659  
Regulated By: UTNKA  
Regulated ID: 00023826  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075469023  
Mail To: Not reported  
Mailing Address: 2151 SANTA ROSA  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M66**  
**NNW**  
**1/8-1/4**  
**0.229 mi.**  
**1211 ft.**

**JOE'S PERFORMANCE TOWING INC.**  
**2151 SANTA ROSA**  
**SANTA ROSA, CA 95407**  
**Site 6 of 6 in cluster M**

**LUST** **U001609550**  
**HIST UST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**145 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700726](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700726)  
Global Id: T0609700726  
Latitude: 38.418634  
Longitude: -122.71431  
Status: Completed - Case Closed  
Status Date: 12/03/1997  
Case Worker: ZZZ  
RB Case Number: 1TSR280  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T0609700726  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700726  
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

**LUST:**  
Global Id: T0609700726  
Action Type: Other  
Date: 06/21/1994  
Action: Leak Stopped  
  
Global Id: T0609700726  
Action Type: Other  
Date: 06/21/1994  
Action: Leak Reported  
  
Global Id: T0609700726  
Action Type: Other  
Date: 06/21/1994  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE'S PERFORMANCE TOWING INC. (Continued)**

**U001609550**

LUST:

|              |                                |
|--------------|--------------------------------|
| Global Id:   | T0609700726                    |
| Status:      | Open - Case Begin Date         |
| Status Date: | 06/21/1994                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 06/24/1994                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 08/23/1994                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 09/27/1994                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 08/28/1996                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Remediation             |
| Status Date: | 01/16/1997                     |
| Global Id:   | T0609700726                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 01/16/1997                     |
| Global Id:   | T0609700726                    |
| Status:      | Completed - Case Closed        |
| Status Date: | 12/03/1997                     |

HIST UST:

|                                   |                               |
|-----------------------------------|-------------------------------|
| File Number:                      | Not reported                  |
| URL:                              | Not reported                  |
| Region:                           | STATE                         |
| Facility ID:                      | 00000023826                   |
| Facility Type:                    | Other                         |
| Other Type:                       | Not reported                  |
| Contact Name:                     | JOSEPH A. FANUCCHI            |
| Telephone:                        | 7075469023                    |
| Owner Name:                       | JOE'S PERFORMANCE TOWING INC. |
| Owner Address:                    | 2151 SANTA ROSA               |
| Owner City,St,Zip:                | SANTA ROSA, CA 95407          |
| Total Tanks:                      | 0006                          |
| Tank Num:                         | 001                           |
| Container Num:                    | 2                             |
| Year Installed:                   | Not reported                  |
| Tank Capacity:                    | 00000500                      |
| Tank Used for:                    | WASTE                         |
| Type of Fuel:                     | WASTE OIL                     |
| Container Construction Thickness: | Not reported                  |
| Leak Detection:                   | None                          |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOE'S PERFORMANCE TOWING INC. (Continued)**

**U001609550**

Tank Num: 002  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 003  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 004  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 005  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 006  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR280



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**N67**      **AM AND PM MINI MARKET**  
**West**     **440 HEARN AVE**  
**1/8-1/4**   **SANTA ROSA, CA 95407**  
**0.249 mi.**  
**1315 ft.**   **Site 6 of 11 in cluster N**

**SLIC**      **S103659692**  
**SWEEPS UST**      **N/A**  
**CHMIRS**

**Relative:**  
**Lower**  
**Actual:**  
**136 ft.**

**SLIC:**  
 Region: STATE  
**Facility Status: Completed - Case Closed**  
 Status Date: 07/03/2009  
 Global Id: T0609765989  
 Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Lead Agency Case Number: Not reported  
 Latitude: 38.414157090122  
 Longitude: -122.717807876968  
 Case Type: Cleanup Program Site  
 Case Worker: ZZZ  
 Local Agency: Not reported  
 RB Case Number: 1NSR150  
 File Location: Regional Board  
 Potential Media Affected: Soil, Under Investigation  
 Potential Contaminants of Concern: Gasoline  
 Site History: This site is an active gasoline station and the location of an open investigation of prior gasoline releases from USTs at the site. On March 17, 2008, a tanker truck operated by Atlantic Richfield Company (ARCO) spilled approximately 30 gallons of gasoline when a moving car contacted the fill hose as fuel was being transferred to an underground storage tank. The spilled gasoline flowed over an area approximately 25 feet wide and 50 feet long, adjacent to at least three groundwater monitoring wells. The gasoline spill was contained on the site and mopped up with adsorbent materials on the night of the spill. On March 18, 2008, Regional Water Board staff inspected the area of the spill. Staff observed that the ground surface in the area spill contained damaged and cracked asphalt. On March 19, 2008, Regional Water Board staff conducted an additional inspection and observed that gasoline-saturated materials remained on the ground surface and that gasoline odors were present near the damaged asphalt surface. On April 3, 2008, one soil boring was advanced to a depth of 40 inches below ground surface in the area of the most extensively damaged asphalt paving. Soil samples were collected at 1 foot and 3 feet below ground surface for analysis of petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes, MTBE and ethanol. The laboratory results showed that all constituents of concern were below laboratory detection levels.

[Click here to access the California GeoTracker records for this facility:](#)

**SWEEPS UST:**  
 Status: Not reported  
 Comp Number: 53359  
 Number: Not reported  
 Board Of Equalization: 44-028333  
 Referral Date: Not reported  
 Action Date: Not reported  
 Created Date: Not reported  
 Owner Tank Id: Not reported  
 SWRCB Tank Id: 49-060-053359-000001  
 Tank Status: Not reported  
 Capacity: 16000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM AND PM MINI MARKET (Continued)**

**S103659692**

|                        |                      |
|------------------------|----------------------|
| Active Date:           | Not reported         |
| Tank Use:              | M.V. FUEL            |
| STG:                   | PRODUCT              |
| Content:               | REG UNLEADED         |
| Number Of Tanks:       | 3                    |
| Status:                | Not reported         |
| Comp Number:           | 53359                |
| Number:                | Not reported         |
| Board Of Equalization: | 44-028333            |
| Referral Date:         | Not reported         |
| Action Date:           | Not reported         |
| Created Date:          | Not reported         |
| Owner Tank Id:         | Not reported         |
| SWRCB Tank Id:         | 49-060-053359-000002 |
| Tank Status:           | Not reported         |
| Capacity:              | 16000                |
| Active Date:           | Not reported         |
| Tank Use:              | M.V. FUEL            |
| STG:                   | PRODUCT              |
| Content:               | LEADED               |
| Number Of Tanks:       | Not reported         |
| Status:                | Not reported         |
| Comp Number:           | 53359                |
| Number:                | Not reported         |
| Board Of Equalization: | 44-028333            |
| Referral Date:         | Not reported         |
| Action Date:           | Not reported         |
| Created Date:          | Not reported         |
| Owner Tank Id:         | Not reported         |
| SWRCB Tank Id:         | 49-060-053359-000003 |
| Tank Status:           | Not reported         |
| Capacity:              | 16000                |
| Active Date:           | Not reported         |
| Tank Use:              | M.V. FUEL            |
| STG:                   | PRODUCT              |
| Content:               | REG UNLEADED         |
| Number Of Tanks:       | Not reported         |
| Status:                | Active               |
| Comp Number:           | 53359                |
| Number:                | 2                    |
| Board Of Equalization: | 44-028333            |
| Referral Date:         | 02-24-92             |
| Action Date:           | 02-24-92             |
| Created Date:          | 02-29-88             |
| Owner Tank Id:         | 4                    |
| SWRCB Tank Id:         | 49-060-053359-000004 |
| Tank Status:           | A                    |
| Capacity:              | 12                   |
| Active Date:           | 02-24-92             |
| Tank Use:              | M.V. FUEL            |
| STG:                   | P                    |
| Content:               | LEADED               |
| Number Of Tanks:       | 3                    |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AM AND PM MINI MARKET (Continued)

S103659692

Status: Active  
Comp Number: 53359  
Number: 2  
Board Of Equalization: 44-028333  
Referral Date: 02-24-92  
Action Date: 02-24-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-053359-000005  
Tank Status: A  
Capacity: 12  
Active Date: 02-24-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 53359  
Number: 2  
Board Of Equalization: 44-028333  
Referral Date: 02-24-92  
Action Date: 02-24-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-053359-000005  
Tank Status: A  
Capacity: 10  
Active Date: 02-24-92  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

CHMIRS:

OES Incident Number: 08-2121  
OES notification: 03/17/2008  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM AND PM MINI MARKET (Continued)**

**S103659692**

|                            |  |
|----------------------------|--|
| 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:                | Service Station  |
| Cleanup By:                | Reporting Party  |
| Containment:               | Not reported   |
| What Happened:             | Not reported   |
| Type:                      | Not reported   |
| Measure:                   | Gal(s)   |
| Other:                     | Not reported   |
| Date/Time:                 | 1652   |
| Year:                      | 2008   |
| Agency:                    | Santa Rosa Fire  |
| Incident Date:             | 3/17/2008  |
| Admin Agency:              | Santa Rosa Fire Department   |
| Amount:                    | Not reported   |
| Contained:                 | Yes  |
| Site Type:                 | Not reported   |
| E Date:                    | Not reported   |
| Substance:                 | Gasoline   |
| Quantity Released:         | 100  |
| Unknown:                   | Not reported   |
| 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:               | Caller states a car drove over the fill hose while the tanker was filling an underground tank. |

**N68**      **A&M MINI MARKET - STOP N GO LIQUOR, LLC**  
**West**      **440 HEARN AVE**  
**1/8-1/4**      **SANTA ROSA, CA 95407**  
**0.249 mi.**  
**1315 ft.**      **Site 7 of 11 in cluster N**

**UST**      **U003783075**  
                 **N/A**

**Relative:**      **UST:**  
**Lower**      Facility ID:      49-060-000015  
**Actual:**      Permitting Agency:      SANTA ROSA, CITY OF  
**136 ft.**      Latitude:      38.41536  
                 Longitude:      -122.716561

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A&M MINI MARKET - STOP N GO LIQUOR, LLC (Continued)**

**U003783075**

Facility ID: Not reported  
Permitting Agency: Santa Rosa City Fire Department  
Latitude: 38.414005  
Longitude: -122.717918

**N69**  
**West**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**AM MINI MARKET DBA STOP N GO LIQUOR LLC**  
**440 HEARN AVE**  
**SANTA ROSA, CA 95407**

**SWEEPS UST**  
**CA FID UST**  
**ENF**  
**HAZNET**

**S101595269**  
**N/A**

**Site 8 of 11 in cluster N**

**Relative:**  
**Lower**  
**Actual:**  
**136 ft.**

**SWEEPS UST:**  
Status: Active  
Comp Number: 1529  
Number: 9  
Board Of Equalization: 44-027845  
Referral Date: Not reported  
Action Date: 10-04-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001529-000001  
Tank Status: A  
Capacity: 1  
Active Date: 10-04-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: 3

Status: Active  
Comp Number: 1529  
Number: 9  
Board Of Equalization: 44-027845  
Referral Date: Not reported  
Action Date: 10-04-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001529-000002  
Tank Status: A  
Capacity: 1  
Active Date: 10-04-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 1529  
Number: 9  
Board Of Equalization: 44-027845  
Referral Date: Not reported  
Action Date: 10-04-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001529-000003  
Tank Status: A  
Capacity: 1  
Active Date: 10-04-89

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 49000302  
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: 440 HEARN  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

Facility ID: 49000302  
Regulated By: UTNKA  
Regulated ID: 00053359  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075753332  
Mail To: Not reported  
Mailing Address: 440 HEARN AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

ENF:

Region: 1  
Facility Id: 205389  
Agency Name: Not reported  
Place Type: Service/Commercial  
Place Subtype: Gasoline Service Station  
Facility Type: Industrial  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.41401  
Place Longitude: -122.71791  
SIC Code 1: Not reported  
SIC Desc 1: Not reported  
SIC Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

|                                  |                     |
|----------------------------------|---------------------|
| 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):             | 413250              |
| Region:                          | 1                   |
| Order / Resolution Number:       | Not reported        |
| Enforcement Action Type:         | Notice of Violation |
| Effective Date:                  | 05/17/2017          |
| Adoption/Issuance Date:          | 05/17/2017          |
| Achieve Date:                    | Not reported        |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

|                                   |   |
|-----------------------------------|---|
| Termination Date:                 | Not reported  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Active  |
| Title:                            | NOV 05/17/2017 for Gholami Michael Mohammed & Nahid A Trust |
| Description:                      | Not reported  |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |
| Region:                           | 1   |
| Facility Id:                      | 205389  |
| Agency Name:                      | Not reported  |
| Place Type:                       | Service/Commercial  |
| Place Subtype:                    | Gasoline Service Station                                    |
| Facility Type:                    | Industrial  |
| Agency Type:                      | Not reported  |
| # Of Agencies:                    | Not reported  |
| Place Latitude:                   | 38.41401  |
| Place Longitude:                  | -122.71791  |
| 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  |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

|                                   |   |
|-----------------------------------|---|
| 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):              | 393829  |
| Region:                           | 1   |
| Order / Resolution Number:        | Not reported  |
| Enforcement Action Type:          | Notice of Violation   |
| Effective Date:                   | 11/06/2013  |
| Adoption/Issuance Date:           | 11/06/2013  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | Not reported  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Active  |
| Title:                            | NOV 11/06/2013 for Gholami Michael Mohammed & Nahid A Trust |
| Description:                      | Not reported  |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |
| Region:                           | 1   |
| Facility Id:                      | 205389  |
| Agency Name:                      | Gholami Michael Mohammed & Nahid A Trust                    |
| Place Type:                       | Service/Commercial  |
| Place Subtype:                    | Gasoline Service Station                                    |
| Facility Type:                    | Industrial  |
| Agency Type:                      | Privately-Owned Business                                    |
| # Of Agencies:                    | 1   |
| Place Latitude:                   | 38.41401  |
| Place Longitude:                  | -122.71791  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

|                                  |                              |
|----------------------------------|------------------------------|
| SIC Code 1:                      | Not reported                 |
| SIC Desc 1:                      | Not reported                 |
| SIC Code 2:                      | Not reported                 |
| SIC Desc 2:                      | Not reported                 |
| SIC Code 3:                      | Not reported                 |
| SIC Desc 3:                      | Not reported                 |
| NAICS Code 1:                    | Not reported                 |
| NAICS Desc 1:                    | Not reported                 |
| NAICS Code 2:                    | Not reported                 |
| NAICS Desc 2:                    | Not reported                 |
| NAICS Code 3:                    | Not reported                 |
| NAICS Desc 3:                    | Not reported                 |
| # Of Places:                     | 1                            |
| Source Of Facility:              | Reg Meas                     |
| Design Flow:                     | Not reported                 |
| Threat To Water Quality:         | Not reported                 |
| Complexity:                      | Not reported                 |
| Pretreatment:                    | Not reported                 |
| Facility Waste Type:             | Not reported                 |
| Facility Waste Type 2:           | Not reported                 |
| Facility Waste Type 3:           | Not reported                 |
| Facility Waste Type 4:           | Not reported                 |
| Program:                         | UST                          |
| Program Category1:               | TANKS                        |
| Program Category2:               | TANKS                        |
| # Of Programs:                   | 1                            |
| WDID:                            | 1B1SR150NUG                  |
| Reg Measure Id:                  | 167857                       |
| Reg Measure Type:                | Unregulated                  |
| Region:                          | 1                            |
| 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:                          | Active                       |
| Status Date:                     | 12/07/2012                   |
| Effective Date:                  | 04/13/1990                   |
| Expiration/Review Date:          | Not reported                 |
| Termination Date:                | Not reported                 |
| WDR Review - Amend:              | Not reported                 |
| WDR Review - Revise/Renew:       | Not reported                 |
| WDR Review - Rescind:            | Not reported                 |
| WDR Review - No Action Required: | Not reported                 |
| WDR Review - Pending:            | Not reported                 |
| WDR Review - Planned:            | Not reported                 |
| Status Enrollee:                 | N                            |
| Individual/General:              | I                            |
| Fee Code:                        | Not reported                 |
| Direction/Voice:                 | Passive                      |
| Enforcement Id(EID):             | 389321                       |
| Region:                          | 1                            |
| Order / Resolution Number:       | R1-2013-0018                 |
| Enforcement Action Type:         | Clean-up and Abatement Order |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM MINI MARKET DBA STOP N GO LIQUOR LLC (Continued)**

**S101595269**

Effective Date: 02/14/2013  
Adoption/Issuance Date: 02/14/2013  
Achieve Date: Not reported  
Termination Date: Not reported  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Active  
Title: Enforcement - CAO R1-2013-0018 for Gholami, Michael  
Description: Not reported  
Program: UST  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HAZNET:**

envid: S101595269  
Year: 2015  
GEPaid: CAL000383761  
Contact: ANIL SAINI  
Telephone: 7072911751  
Mailing Name: Not reported  
Mailing Address: 440 HEARN AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954070000  
Gen County: Sonoma  
TSD EPA ID: UTD981552177  
TSD County: 99  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)  
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel  
Tons: 0.1  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: S101595269  
Year: 2013  
GEPaid: CAL000383761  
Contact: ANIL SAINI  
Telephone: 7072911751  
Mailing Name: Not reported  
Mailing Address: 440 HEARN AVE  
Mailing City,St,Zip: SANTA ROSA, CA 95407  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.025  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**N70**  
**West**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**A AND M MINI MARKET**  
**440 HEAN AVE**  
**SANTA ROSA, CA 95902**

**Site 9 of 11 in cluster N**

**HIST UST**    **U001616230**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**136 ft.**

**HIST UST:**

File Number: 000218F6  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000218F6.pdf>  
 Region: STATE  
 Facility ID: 00000053359  
 Facility Type: Gas Station  
 Other Type: Not reported  
 Contact Name: AMINFARD, HASSAN  
 Telephone: 7075753332  
 Owner Name: HASSON AMINIFORD MOHAMMAD GHOL  
 Owner Address: 33 STRAWBERRY CIRCLE  
 Owner City,St,Zip: MILL VALLEY, CA 94941  
 Total Tanks: 0003

Tank Num: 001  
 Container Num: 1  
 Year Installed: Not reported  
 Tank Capacity: 00016000  
 Tank Used for: PRODUCT  
 Type of Fuel: UNLEADED  
 Container Construction Thickness: Not reported  
 Leak Detection: None

Tank Num: 002  
 Container Num: 2  
 Year Installed: Not reported  
 Tank Capacity: 00016000  
 Tank Used for: PRODUCT  
 Type of Fuel: REGULAR  
 Container Construction Thickness: Not reported  
 Leak Detection: None

Tank Num: 003  
 Container Num: 3  
 Year Installed: Not reported  
 Tank Capacity: 00016000  
 Tank Used for: PRODUCT  
 Type of Fuel: PREMIUM  
 Container Construction Thickness: Not reported  
 Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**N71**  
**West**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**AM/PM MINI MART**  
**440 HEARN AVENUE**  
**SANTA ROSA, CA 95407**

**Site 10 of 11 in cluster N**

**LUST**    **S100236216**  
**HIST CORTESE**    **N/A**  
**Notify 65**

**Relative:**  
**Lower**  
**Actual:**  
**136 ft.**

**LUST:**

Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700647](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700647)  
 Global Id: T0609700647

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Latitude: 38.4141475042849  
Longitude: -122.717870046615  
Status: Open - Remediation  
Status Date: 01/26/2005  
Case Worker: TNM  
RB Case Number: 1TSR150  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: In April 1990, one 6,000-gallon and two 10,000-gallon underground storage tanks were removed from the north side of the site. Soil samples collected from the excavation pit, at depths ranging between 16 and 20 feet below ground surface, contained total petroleum hydrocarbons as gasoline and benzene at maximum concentrations of 15 mg/kg and 2.3 mg/kg, respectively. Groundwater and soil remediation has been conducted at the site since 2005, using shallow groundwater extraction from an interceptor trench, deeper-zone extraction from extraction wells, and several multi-phase extraction events using a mobile extraction unit. Groundwater monitoring events were conducted quarterly at the site from 1999 until mid-2009, and then semi-annually from 2009 to the present.

**LUST:**

Global Id: T0609700647  
Contact Type: Regional Board Caseworker  
Contact Name: TOM MAGNEY  
Organization Name: NORTH COAST RWQCB (REGION 1)  
Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: tom.magney@waterboards.ca.gov  
Phone Number: 7075762030

**LUST:**

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 01/18/2008  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 07/02/2010  
Action: File review

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 10/20/2014  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/30/2008  
Action: Monitoring Report - Annually

Global Id: T0609700647  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Date: 04/30/2008  
Action: Monitoring Report - Annually

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 05/03/2013  
Action: Monitoring Report - Other

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/31/2014  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 10/12/2015  
Action: Verbal Enforcement

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/04/1990  
Action: \* Historical Enforcement

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 08/09/2013  
Action: Verbal Enforcement

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/14/2013  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 11/06/2013  
Action: Notice of Violation

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/18/2013  
Action: Correspondence

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 04/02/2008  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 07/08/2014  
Action: Other Report / Document

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 04/30/2013  
Action: Monitoring Report - Semi-Annually

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

|              |                           |
|--------------|---------------------------|
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |
| Date:        | 11/21/2013                |
| Action:      | Staff Letter              |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 04/15/2013                |
| Action:      | Conceptual Site Model     |
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |
| Date:        | 03/09/2004                |
| Action:      | * Historical Enforcement  |
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |
| Date:        | 03/29/2004                |
| Action:      | Staff Letter              |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 08/28/2017                |
| Action:      | Correspondence            |
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |
| Date:        | 04/05/2005                |
| Action:      | * Verbal Communication    |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 03/15/2004                |
| Action:      | Other Workplan            |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 03/09/2004                |
| Action:      | Unauthorized Release Form |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 01/29/2014                |
| Action:      | Correspondence            |
| Global Id:   | T0609700647               |
| Action Type: | RESPONSE                  |
| Date:        | 04/07/2014                |
| Action:      | Correspondence            |
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |
| Date:        | 05/26/2011                |
| Action:      | Staff Letter              |
| Global Id:   | T0609700647               |
| Action Type: | ENFORCEMENT               |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Date: 03/02/2006  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 07/20/2010  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 04/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 01/08/2013  
Action: Staff Letter

Global Id: T0609700647  
Action Type: REMEDIATION  
Date: 01/26/2005  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 07/31/2013  
Action: Remedial Progress Report - Regulator Responded

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 10/29/2013  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 02/14/2013  
Action: Clean-up and Abatement Order

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: Other  
Date: 04/13/1990  
Action: Leak Discovery

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 02/28/2011  
Action: Correspondence

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 12/02/2013  
Action: Correspondence



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

|              |                                |
|--------------|--------------------------------|
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 11/15/2013                     |
| Action:      | Correspondence                 |
| Global Id:   | T0609700647                    |
| Action Type: | ENFORCEMENT                    |
| Date:        | 07/30/2009                     |
| Action:      | Staff Letter                   |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 04/07/2008                     |
| Action:      | Other Report / Document        |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 04/25/2016                     |
| Action:      | Other Report / Document        |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 08/01/2016                     |
| Action:      | Monitoring Report - Quarterly  |
| Global Id:   | T0609700647                    |
| Action Type: | ENFORCEMENT                    |
| Date:        | 04/28/2017                     |
| Action:      | Amendment to Order             |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 05/23/2014                     |
| Action:      | Correspondence                 |
| Global Id:   | T0609700647                    |
| Action Type: | ENFORCEMENT                    |
| Date:        | 12/27/2007                     |
| Action:      | Staff Letter                   |
| Global Id:   | T0609700647                    |
| Action Type: | ENFORCEMENT                    |
| Date:        | 08/15/2013                     |
| Action:      | Staff Letter                   |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 06/30/2009                     |
| Action:      | Interim Remedial Action Report |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |
| Date:        | 07/31/2014                     |
| Action:      | Monitoring Report - Quarterly  |
| Global Id:   | T0609700647                    |
| Action Type: | RESPONSE                       |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Date: 05/07/2001  
Action: Soil and Water Investigation Report

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/31/2015  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 04/30/2015  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 04/30/2014  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 08/12/2013  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/08/2003  
Action: File review

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 10/16/2015  
Action: Other Report / Document

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 05/01/2017  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 06/30/2002  
Action: Soil and Water Investigation Workplan

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/30/2003  
Action: Soil and Water Investigation Report

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 03/31/2008  
Action: Other Workplan

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/26/2015  
Action: 13267 Monitoring Program

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

|              |   |
|--------------|---|
| Global Id:   | T0609700647   |
| Action Type: | ENFORCEMENT   |
| Date:        | 02/07/2014  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700647   |
| Action Type: | ENFORCEMENT   |
| Date:        | 04/16/2014  |
| Action:      | Staff Letter  |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 11/01/2016  |
| Action:      | Monitoring Report - Quarterly                                       |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 03/15/2013  |
| Action:      | Other Report / Document   |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 03/03/2003  |
| Action:      | Corrective Action Plan / Remedial Action Plan - Regulator Responded |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 01/13/2016  |
| Action:      | Other Report / Document   |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 01/31/2008  |
| Action:      | Monitoring Report - Quarterly                                       |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 10/31/2011  |
| Action:      | Monitoring Report - Semi-Annually                                   |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 06/29/2016  |
| Action:      | Other Report / Document   |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 11/01/2015  |
| Action:      | Monitoring Report - Quarterly                                       |
| Global Id:   | T0609700647   |
| Action Type: | RESPONSE  |
| Date:        | 04/30/2005  |
| Action:      | Monitoring Report - Quarterly                                       |
| Global Id:   | T0609700647   |
| Action Type: | ENFORCEMENT   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Date: 12/12/2011  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 01/31/2016  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 10/14/2015  
Action: Correspondence

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 09/19/2007  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 11/03/2008  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 05/01/2016  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 08/15/2013  
Action: 13267 Monitoring Program

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 03/21/2008  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 04/30/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/12/2003  
Action: Meeting

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 08/22/2002  
Action: Staff Letter

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 02/26/2004  
Action: Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

|              |   |
|--------------|---|
| Global Id:   | T0609700647                                 |
| Action Type: | ENFORCEMENT                                 |
| Date:        | 12/11/2012                                  |
| Action:      | 13267 Monitoring Program                    |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 02/01/2017                                  |
| Action:      | Monitoring Report - Quarterly               |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 09/04/2008                                  |
| Action:      | Clean Up Fund - 5-Year Review Summary       |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 04/30/2009                                  |
| Action:      | Monitoring Report - Annually                |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 02/01/2017                                  |
| Action:      | Other Report / Document                     |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 10/31/2013                                  |
| Action:      | Monitoring Report - Quarterly               |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |
| Date:        | 10/31/2014                                  |
| Action:      | Monitoring Report - Quarterly               |
| Global Id:   | T0609700647                                 |
| Action Type: | Other                                       |
| Date:        | 04/13/1990                                  |
| Action:      | Leak Reported                               |
| Global Id:   | T0609700647                                 |
| Action Type: | ENFORCEMENT                                 |
| Date:        | 12/11/2012                                  |
| Action:      | Staff Letter                                |
| Global Id:   | T0609700647                                 |
| Action Type: | ENFORCEMENT                                 |
| Date:        | 06/02/2003                                  |
| Action:      | Staff Letter                                |
| Global Id:   | T0609700647                                 |
| Action Type: | ENFORCEMENT                                 |
| Date:        | 12/26/2003                                  |
| Action:      | Notification - Public Notice of ROD/RAP/CAP |
| Global Id:   | T0609700647                                 |
| Action Type: | RESPONSE                                    |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Date: 08/01/2015  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 08/01/2017  
Action: Monitoring Report - Quarterly

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 05/19/2017  
Action: Other Report / Document

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 06/14/2017  
Action: Email Correspondence

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 07/04/2003  
Action: Other Report / Document

Global Id: T0609700647  
Action Type: Other  
Date: 04/13/1990  
Action: Leak Stopped

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 05/17/2017  
Action: Notice of Violation

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 06/13/2017  
Action: Email Correspondence

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 11/19/2007  
Action: Other Report / Document

Global Id: T0609700647  
Action Type: ENFORCEMENT  
Date: 12/11/2012  
Action: Staff Letter

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 06/12/2017  
Action: Proposed Plan - Regulator Responded

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 12/27/2017  
Action: Clean Up Fund - 5-Year Review Summary

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Global Id: T0609700647  
Action Type: RESPONSE  
Date: 10/30/2011  
Action: Electronic Reporting Submittal Due

**LUST:**

Global Id: T0609700647  
Status: Open - Case Begin Date  
Status Date: 04/13/1990

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 05/04/1990

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 08/13/1993

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 09/13/1993

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 04/04/1995

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 05/09/2001

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 09/13/2001

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 10/29/2001

Global Id: T0609700647  
Status: Open - Site Assessment  
Status Date: 08/22/2002

Global Id: T0609700647  
Status: Open - Remediation  
Status Date: 01/26/2005

**LUST REG 1:**

Region: 1  
Facility ID: 1TSR150  
Staff Initials: JAT

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM/PM MINI MART (Continued)**

**S100236216**

Reg Id: 1TSR150

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

**N72**  
**West**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**BP WEST COAST PRODUCTS LLC**  
**440 HEARN AVE**  
**SANTA ROSA, CA 95407**  
**Site 11 of 11 in cluster N**

**RCRA NonGen / NLR** 1011488068  
**FINDS** CAP000192062  
**HAZNET**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**136 ft.**

Date form received by agency: 08/05/2008  
Facility name: BP WEST COAST PRODUCTS LLC  
Facility address: 440 HEARN AVE  
SANTA ROSA, CA 95407  
EPA ID: CAP000192062  
Mailing address: PO BOX 6038  
ARTESIA, CA 90702-6038  
Contact: LARRY MOOTHART  
Contact address: PO BOX 6038  
ARTESIA, CA 90702-6038  
Contact country: US  
Contact telephone: 949-460-5200  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BP WEST COAST PRODUCTS LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/27/1990  
Owner/Op end date: Not reported  
  
Owner/operator name: BP WEST COAST PRODUCTS LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP WEST COAST PRODUCTS LLC (Continued)**

**1011488068**

Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 08/27/1990  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/01/2008  
Site name: BP WEST COAST PRODUCTS LLC  
Classification: Small Quantity Generator

. Waste code: D018  
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055665711

Environmental Interest/Information System  
STATE MASTER

Registry ID: 110055764784

Environmental Interest/Information System  
STATE MASTER

Registry ID: 110055783969

Environmental Interest/Information System  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

HAZNET:

envid: 1011488068  
Year: 2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP WEST COAST PRODUCTS LLC (Continued)**

**1011488068**

GEPaid: CAP000192062  
Contact: LARRY MOOTHART  
Telephone: 9494605200  
Mailing Name: Not reported  
Mailing Address: PO BOX 6038  
Mailing City, St, Zip: ARTESIA, CA 907026038  
Gen County: Not reported  
TSD EPA ID: CAT080013352  
TSD County: Not reported  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 0.42  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

73  
North  
1/4-1/2  
0.263 mi.  
1391 ft.

**CHEVRON #9-6449**  
**2200 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**

**LUST S101309836**  
**HIST CORTESE N/A**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

LUST:  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700685](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700685)  
Global Id: T0609700685  
Latitude: 38.41875  
Longitude: -122.710683  
Status: Completed - Case Closed  
Status Date: 01/29/1998  
Case Worker: ZZZ  
RB Case Number: 1TSR210  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:  
Global Id: T0609700685  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700685  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-6449 (Continued)**

**S101309836**

Phone Number: 7075762220

LUST:

Global Id: T0609700685  
Action Type: ENFORCEMENT  
Date: 04/20/1992  
Action: \* Historical Enforcement

Global Id: T0609700685  
Action Type: Other  
Date: 04/17/1992  
Action: Leak Discovery

Global Id: T0609700685  
Action Type: Other  
Date: 04/17/1992  
Action: Leak Reported

Global Id: T0609700685  
Action Type: Other  
Date: 04/17/1992  
Action: Leak Stopped

LUST:

Global Id: T0609700685  
Status: Open - Case Begin Date  
Status Date: 04/17/1992

Global Id: T0609700685  
Status: Open - Site Assessment  
Status Date: 04/20/1992

Global Id: T0609700685  
Status: Open - Site Assessment  
Status Date: 10/12/1993

Global Id: T0609700685  
Status: Open - Site Assessment  
Status Date: 01/12/1994

Global Id: T0609700685  
Status: Open - Site Assessment  
Status Date: 01/17/1995

Global Id: T0609700685  
Status: Open - Remediation  
Status Date: 02/06/1996

Global Id: T0609700685  
Status: Open - Verification Monitoring  
Status Date: 02/06/1996

Global Id: T0609700685  
Status: Completed - Case Closed  
Status Date: 01/29/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-6449 (Continued)**

**S101309836**

LUST REG 1:

Region: 1  
Facility ID: 1TSR210  
Staff Initials: Closed

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR210

74  
SW  
1/4-1/2  
0.267 mi.  
1408 ft.

**BIDDULPH CHEVROLET  
2770 CORBY AVE  
SANTA ROSA, CA 95407**

**Relative:  
Lower**

**Actual:  
132 ft.**

**RCRA-SQG 1000193110  
LUST CAD981571615  
SWEEPS UST  
HIST UST  
CA FID UST  
FINDS  
ECHO  
ENF  
HIST CORTESE**

RCRA-SQG:

Date form received by agency: 09/30/1986  
Facility name: BIDDULPH CHEVROLET  
Facility address: 2770 CORBY AVE  
SANTA ROSA, CA 95407  
EPA ID: CAD981571615  
Mailing address: PO BOX 1628  
SANTA ROSA, CA 95402  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2770 CORBY AVE  
SANTA ROSA, CA 95407  
Contact country: US  
Contact telephone: 707-544-1414  
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: BIDDULPH CHEVROLET  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700627](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700627)  
Global Id: T0609700627  
Latitude: 38.4108850725982  
Longitude: -122.716813366934  
Status: Completed - Case Closed  
Status Date: 11/30/2005  
Case Worker: ZZZ  
RB Case Number: 1TSR116  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609700627  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Phone Number: 7075762220

LUST:

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 05/28/1991  
Action: \* Historical Enforcement - #CAO91-88

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 11/30/2005  
Action: Closure/No Further Action Letter

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 12/15/2003  
Action: Other Workplan

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 04/22/2003  
Action: File review

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 07/15/2002  
Action: Meeting

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 06/24/2005  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 07/05/2005  
Action: Other Report / Document

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 11/30/2005  
Action: Other Report / Document

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 09/30/2005  
Action: Other Workplan

Global Id: T0609700627  
Action Type: Other  
Date: 10/19/1989  
Action: Leak Discovery

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 06/01/2004  
Action: Other Report / Document

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Global Id: T0609700627  
Action Type: RESPONSE  
Date: 12/21/2001  
Action: Other Workplan

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 11/07/2001  
Action: Staff Letter - #LTR110701

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 12/01/2003  
Action: Staff Letter

Global Id: T0609700627  
Action Type: Other  
Date: 10/19/1989  
Action: Leak Reported

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 01/05/2004  
Action: Staff Letter

Global Id: T0609700627  
Action Type: Other  
Date: 10/19/1989  
Action: Leak Stopped

Global Id: T0609700627  
Action Type: ENFORCEMENT  
Date: 08/31/2005  
Action: Staff Letter

**LUST:**

Global Id: T0609700627  
Status: Open - Case Begin Date  
Status Date: 10/19/1989

Global Id: T0609700627  
Status: Open - Site Assessment  
Status Date: 10/19/1989

Global Id: T0609700627  
Status: Open - Site Assessment  
Status Date: 09/28/1990

Global Id: T0609700627  
Status: Open - Site Assessment  
Status Date: 11/28/1990

Global Id: T0609700627  
Status: Open - Site Assessment  
Status Date: 10/21/1993

Global Id: T0609700627

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

1000193110

Status: Open - Site Assessment  
Status Date: 01/11/2002  
  
Global Id: T0609700627  
Status: Completed - Case Closed  
Status Date: 11/30/2005

LUST REG 1:

Region: 1  
Facility ID: 1TSR116  
Staff Initials: JAT

SWEEPS UST:

Status: Active  
Comp Number: 45047  
Number: 9  
Board Of Equalization: 44-028281  
Referral Date: 06-24-93  
Action Date: 03-29-94  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-045047-000001  
Tank Status: A  
Capacity: 550  
Active Date: 06-24-93  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: 3

Status: Active  
Comp Number: 45047  
Number: 9  
Board Of Equalization: 44-028281  
Referral Date: 06-24-93  
Action Date: 03-29-94  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-045047-000002  
Tank Status: A  
Capacity: 5000  
Active Date: 06-24-93  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 45047  
Number: 9  
Board Of Equalization: 44-028281  
Referral Date: 06-24-93  
Action Date: 03-29-94  
Created Date: 02-29-88  
Owner Tank Id: 4



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

SWRCB Tank Id: 49-060-045047-000003  
Tank Status: A  
Capacity: Not reported  
Active Date: 07-01-85  
Tank Use: EMPTY  
STG: P  
Content: EMPTY  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 000214C1  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000214C1.pdf>  
Region: STATE  
Facility ID: 00000045047  
Facility Type: Other  
Other Type: VEHICLE SALES  
Contact Name: BARRY BIDDULPH  
Telephone: 7075441414  
Owner Name: BIDDULPH CHEV-PEUGEOT-IZUSU  
Owner Address: 2770 CORBY AVE.  
Owner City,St,Zip: SANTA ROSA, CA 95407  
Total Tanks: 0004

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000550  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Leak Detection: None  
  
Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: 06  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 003  
Container Num: 3  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: 06  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 004  
Container Num: 4  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: 06  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 004  
Container Num: 4  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: 06  
Container Construction Thickness: Not reported  
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 49000267  
Regulated By: UTNKA  
Regulated ID: 00045047  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075441414  
Mail To: Not reported  
Mailing Address: 2770 CORBY AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Status: Active

**FINDS:**

Registry ID: 110002718131

**Environmental Interest/Information System**

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**STATE MASTER**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000193110  
Registry ID: 110002718131  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002718131>

**ENF:**

Region: 1  
Facility Id: 209464  
Agency Name: Not reported  
Place Type: Service/Commercial  
Place Subtype: Gasoline Service Station  
Facility Type: Industrial  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.41082  
Place Longitude: -122.71733  
SIC Code 1: 5511  
SIC Desc 1: Motor Vehicle Dealers (New and Used)  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

|                                   |   |
|-----------------------------------|---|
| 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):              | 225454  |
| Region:                           | 1   |
| Order / Resolution Number:        | LT980112  |
| Enforcement Action Type:          | Staff Enforcement Letter                          |
| Effective Date:                   | 01/12/1998  |
| Adoption/Issuance Date:           | Not reported                                      |
| Achieve Date:                     | Not reported                                      |
| Termination Date:                 | 01/12/1998  |
| ACL Issuance Date:                | Not reported                                      |
| EPL Issuance Date:                | Not reported                                      |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR116NUG Biddulph Chevrolet      |
| Description:                      | REQUESTING SUBMITTAL OF REPORT OF COMPLETED WORK. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported                                      |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Project \$ Amount:              | \$0.00                               |
| Liability \$ Paid:              | \$0.00                               |
| Project \$ Completed:           | \$0.00                               |
| Total \$ Paid/Completed Amount: | \$0.00                               |
| Region:                         | 1                                    |
| Facility Id:                    | 209464                               |
| Agency Name:                    | Not reported                         |
| Place Type:                     | Service/Commercial                   |
| Place Subtype:                  | Gasoline Service Station             |
| Facility Type:                  | Industrial                           |
| Agency Type:                    | Not reported                         |
| # Of Agencies:                  | Not reported                         |
| Place Latitude:                 | 38.41082                             |
| Place Longitude:                | -122.71733                           |
| SIC Code 1:                     | 5511                                 |
| SIC Desc 1:                     | Motor Vehicle Dealers (New and Used) |
| 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                         |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

|                                   |  |
|-----------------------------------|--|
| 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):              | 224551   |
| Region:                           | 1  |
| Order / Resolution Number:        | 90-136   |
| Enforcement Action Type:          | Clean-up and Abatement Order   |
| Effective Date:                   | 06/20/1990   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 05/28/1991   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B1SR116NUG Biddulph Chevrolet   |
| Description:                      | REQUESTING SUBMITTAL OF WORKPLAN. REQUESTING PROMPT & COMPLETE INVESTI. & CLEANUP OF PETROL. PRODUCT |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 209464   |
| Agency Name:                      | Not reported   |
| Place Type:                       | Service/Commercial   |
| Place Subtype:                    | Gasoline Service Station   |
| Facility Type:                    | Industrial   |
| Agency Type:                      | Not reported   |
| # Of Agencies:                    | Not reported   |
| Place Latitude:                   | 38.41082   |
| Place Longitude:                  | -122.71733   |
| SIC Code 1:                       | 5511   |
| SIC Desc 1:                       | Motor Vehicle Dealers (New and Used)   |
| 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   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

|                                  |   |
|----------------------------------|---|
| 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):             | 224399  |
| Region:                          | 1   |
| Order / Resolution Number:       | 91-088  |
| Enforcement Action Type:         | Clean-up and Abatement Order  |
| Effective Date:                  | 05/28/1991  |
| Adoption/Issuance Date:          | Not reported  |
| Achieve Date:                    | Not reported  |
| Termination Date:                | 11/30/2005  |
| ACL Issuance Date:               | Not reported  |
| EPL Issuance Date:               | Not reported  |
| Status:                          | Historical  |
| Title:                           | Enforcement - 1B1SR116NUG Biddulph Chevrolet  |
| Description:                     | FURTHER WORK IS NEEDED & CANNOT CONCUR WITH PASSIVE<br>REMEDIAL ALTERNATIVE AT THIS TIME. |
| Program:                         | UST   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIDDULPH CHEVROLET (Continued)**

**1000193110**

Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: WBC&D  
Reg Id: 1B1SR116NUG

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR116

**O75** **MANLY HONDA**  
**WSW** **2750 CORBY**  
**1/4-1/2** **SANTA ROSA, CA 95407**  
**0.269 mi.**  
**1420 ft.** **Site 1 of 2 in cluster O**

**LUST** **S103947382**  
**AST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**133 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700717](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700717)  
Global Id: T0609700717  
Latitude: 38.4116688359162  
Longitude: -122.716922670639  
Status: Completed - Case Closed  
Status Date: 08/14/1995  
Case Worker: ZZZ  
RB Case Number: 1TSR270  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**  
Global Id: T0609700717  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700717  
Contact Type: Regional Board Caseworker  
Contact Name: REGIONAL WATER BOARD SITE CLOSED



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY HONDA (Continued)**

**S103947382**

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

LUST:

Global Id: T0609700717  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Stopped

Global Id: T0609700717  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Reported

Global Id: T0609700717  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Discovery

LUST:

Global Id: T0609700717  
Status: Open - Case Begin Date  
Status Date: 09/20/1993

Global Id: T0609700717  
Status: Open - Site Assessment  
Status Date: 09/30/1993

Global Id: T0609700717  
Status: Open - Remediation  
Status Date: 08/13/1995

Global Id: T0609700717  
Status: Open - Site Assessment  
Status Date: 08/13/1995

Global Id: T0609700717  
Status: Open - Verification Monitoring  
Status Date: 08/13/1995

Global Id: T0609700717  
Status: Completed - Case Closed  
Status Date: 08/14/1995

AST:

Certified Unified Program Agencies: Not reported  
Owner: Brian Manly  
Total Gallons: Not reported  
CERSID: 10115140  
Facility ID: 49-060-000592  
Business Name: Manly Honda  
Phone: (707) 542-5377

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANLY HONDA (Continued)**

**S103947382**

Fax: (707) 542-2950  
Mailing Address: 2750 Corby Avenue  
Mailing Address City: Santa Rosa  
Mailing Address State: CA  
Mailing Address Zip Code: 95407  
Operator Name: Brian Manly  
Operator Phone: (707) 542-5377  
Owner Phone: (707) 542-5377  
Owner Mail Address: 2750 Corby Avenue  
Owner State: CA  
Owner Zip Code: 95407  
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: CAD981678584

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR270

**O76**  
**WSW**  
**1/4-1/2**  
**0.269 mi.**  
**1420 ft.**

**MANLY HONDA**  
**CORBY AVENUE 2750**  
**SANTA ROSA, CA**  
**Site 2 of 2 in cluster O**

**LUST 1000293374**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**133 ft.**

**LUST REG 1:**  
Region: 1  
Facility ID: 1TSR270  
Staff Initials: Closed

**77**  
**NNW**  
**1/4-1/2**  
**0.323 mi.**  
**1704 ft.**

**STANDARD BRANDS PAINT #75**  
**1993 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**

**LUST S102438037**  
**HIST CORTESE N/A**

**Relative:**  
**Lower**  
**Actual:**  
**145 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700745](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700745)  
Global Id: T0609700745  
Latitude: 38.4178542  
Longitude: -122.7135785  
Status: Completed - Case Closed  
Status Date: 07/15/1996  
Case Worker: ZZZ  
RB Case Number: 1TSR314  
Local Agency: SANTA ROSA, CITY OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STANDARD BRANDS PAINT #75 (Continued)**

**S102438037**

File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

LUST:

Global Id: T0609700745  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700745  
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

LUST:

Global Id: T0609700745  
Action Type: Other  
Date: 02/16/1996  
Action: Leak Discovery

Global Id: T0609700745  
Action Type: Other  
Date: 02/16/1996  
Action: Leak Stopped

Global Id: T0609700745  
Action Type: Other  
Date: 02/16/1996  
Action: Leak Reported

LUST:

Global Id: T0609700745  
Status: Open - Case Begin Date  
Status Date: 02/16/1996

Global Id: T0609700745  
Status: Open - Site Assessment  
Status Date: 02/16/1996

Global Id: T0609700745  
Status: Open - Site Assessment  
Status Date: 03/22/1996

Global Id: T0609700745  
Status: Open - Remediation  
Status Date: 07/14/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STANDARD BRANDS PAINT #75 (Continued)**

**S102438037**

Global Id: T0609700745  
Status: Open - Site Assessment  
Status Date: 07/14/1996  
  
Global Id: T0609700745  
Status: Open - Verification Monitoring  
Status Date: 07/14/1996  
  
Global Id: T0609700745  
Status: Completed - Case Closed  
Status Date: 07/15/1996

LUST REG 1:

Region: 1  
Facility ID: 1TSR314  
Staff Initials: Closed

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR314

78  
SE  
1/4-1/2  
0.329 mi.  
1738 ft.

**SUMMERHILL / KAUFMAN & BROAD  
PETALUMA HILL & BURT  
SANTA ROSA, CA 95404**

**SLIC S105051069  
N/A**

Relative:  
Lower  
Actual:  
140 ft.

SLIC:

Region: STATE  
Facility Status: **Open - Inactive**  
Status Date: 03/05/2009  
Global Id: T0609793364  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.41001  
Longitude: -122.70363  
Case Type: Cleanup Program Site  
Case Worker: PBN  
Local Agency: SANTA ROSA, CITY OF  
RB Case Number: 1NSR308  
File Location: Regional Board  
Potential Media Affected: Under Investigation  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 1:

Region: 1  
Facility ID: 1NSR308  
Staff Initials: SKB

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**79**  
 West  
 1/4-1/2  
 0.339 mi.  
 1791 ft.

**MEAD CLARK LUMBER SUPPLY**  
**RAILROAD AVENUE 175**  
**SANTA ROSA, CA**

**LUST S101305011**  
**N/A**

**Relative:** LUST REG 1:  
**Lower** Region: 1  
**Actual:** Facility ID: 1TSR016  
**133 ft.** Staff Initials: JEF

**P80**  
 SW  
 1/4-1/2  
 0.345 mi.  
 1819 ft.

**PRESTIG IMPORTS**  
**2800 CORBY AVE**  
**SANTA ROSA, CA 95407**  
**Site 1 of 4 in cluster P**

**RCRA-SQG 1000279540**  
**LUST CAD981377161**  
**SWEEPS UST**  
**HIST UST**  
**CA FID UST**  
**Cortese**  
**EMI**  
**ENF**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**128 ft.**

**RCRA-SQG:**  
 Date form received by agency: 10/29/1996  
 Facility name: PRESTIG IMPORTS  
 Facility address: 2800 CORBY AVE  
 SANTA ROSA, CA 95407  
 EPA ID: CAD981377161  
 Contact: ROGER ANDERSON  
 Contact address: 2800 CORBY AVE  
 SANTA ROSA, CA 95407  
 Contact country: US  
 Contact telephone: 707-545-6602  
 Contact email: Not reported  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**  
 Owner/operator name: NOT REQUIRED  
 Owner/operator address: NOT REQUIRED  
 NOT REQUIRED, ME 99999  
 Owner/operator country: Not reported  
 Owner/operator telephone: 415-555-1212  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported  
 Legal status: Private  
 Owner/Operator Type: Operator  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported  
 Owner/operator name: STEPHEN HANSEL  
 Owner/operator address: 2800 CORBY  
 SANTA ROSA, CA 95407  
 Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Owner/operator telephone: 707-545-6602  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700571](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700571)  
Global Id: T0609700571  
Latitude: 38.4099529523001  
Longitude: -122.716856002808  
Status: Completed - Case Closed  
Status Date: 01/24/2014  
Case Worker: ZZZ  
RB Case Number: 1TSR048  
Local Agency: Not reported  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 08/12/1998  
Action: Interim Remedial Action Plan

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 09/29/2010  
Action: Staff Letter

Global Id: T0609700571

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Action Type: Other  
Date: 04/11/1988  
Action: Leak Discovery

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 03/09/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 03/09/2009  
Action: Well Installation Report

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 12/03/2004  
Action: Meeting

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 01/23/2014  
Action: Closure/No Further Action Letter

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 11/01/2013  
Action: Staff Letter

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 07/06/2010  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 02/12/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 02/26/2014  
Action: Rescission of Enforcement Action

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 03/26/2013  
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0609700571  
Action Type: REMEDIATION  
Date: 10/10/2000  
Action: Excavation

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 12/22/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Action: Soil and Water Investigation Workplan

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 10/18/2012  
Action: Staff Letter

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 01/26/2013  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 10/07/2013  
Action: Staff Letter

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 09/24/2013  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 02/29/2008  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 02/16/2010  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 02/26/2014  
Action: Rescission of Enforcement Action

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/21/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/02/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 03/30/2012  
Action: Remedial Progress Report

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 04/16/2007  
Action: File review



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 01/22/2007  
Action: Verbal Communication

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 03/23/2010  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 06/07/2010  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 07/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 07/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/15/2002  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 01/15/2003  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 07/15/2002  
Action: Sensitive Receptor Survey Report

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/15/2001  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Date: 11/04/2011  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 11/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/07/2009  
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 10/04/1988  
Action: \* Historical Enforcement

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 09/19/2008  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/12/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 05/02/2001  
Action: Interim Remedial Action Report

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 01/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/14/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 07/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/09/2012  
Action: Clean Up Fund - 5-Year Review Summary

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

|              |   |
|--------------|---|
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 05/20/2008                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 01/07/2005                                      |
| Action:      | Technical Correspondence / Assistance / Other   |
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 03/09/2004                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 02/24/2004                                      |
| Action:      | Meeting   |
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 09/18/2001                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T0609700571                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 07/01/2009                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T0609700571                                     |
| Action Type: | RESPONSE  |
| Date:        | 04/15/2003                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T0609700571                                     |
| Action Type: | RESPONSE  |
| Date:        | 12/22/2004                                      |
| Action:      | Soil and Water Investigation Workplan           |
| Global Id:   | T0609700571                                     |
| Action Type: | RESPONSE  |
| Date:        | 04/14/2009                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T0609700571                                     |
| Action Type: | RESPONSE  |
| Date:        | 07/03/2013                                      |
| Action:      | Request for Closure - Regulator Responded       |
| Global Id:   | T0609700571                                     |
| Action Type: | RESPONSE  |
| Date:        | 09/13/2013                                      |
| Action:      | Well Destruction Workplan - Regulator Responded |
| Global Id:   | T0609700571                                     |
| Action Type: | Other   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Date: 04/11/1988  
Action: Leak Reported

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/26/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 08/05/2013  
Action: Correspondence

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 10/26/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 04/23/2009  
Action: Staff Letter

Global Id: T0609700571  
Action Type: Other  
Date: 04/11/1988  
Action: Leak Stopped

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 04/16/2012  
Action: Staff Letter

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 09/20/2010  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 06/04/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700571  
Action Type: ENFORCEMENT  
Date: 06/11/1997  
Action: Meeting

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 12/29/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700571  
Action Type: RESPONSE  
Date: 04/21/2011  
Action: Final Remedial Action Report / Corrective Action Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

LUST:

|              |                                |
|--------------|--------------------------------|
| Global Id:   | T0609700571                    |
| Status:      | Open - Case Begin Date         |
| Status Date: | 04/11/1988                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 04/11/1988                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 06/26/1989                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 08/14/1989                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 10/16/1997                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Remediation             |
| Status Date: | 09/22/2000                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 07/16/2001                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 03/09/2004                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 12/22/2004                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 03/23/2007                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 04/20/2009                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Remediation             |
| Status Date: | 03/03/2010                     |
| Global Id:   | T0609700571                    |
| Status:      | Open - Eligible for Closure    |
| Status Date: | 07/25/2013                     |
| Global Id:   | T0609700571                    |
| Status:      | Completed - Case Closed        |
| Status Date: | 01/23/2014                     |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Global Id: T0609700571  
Status: Completed - Case Closed  
Status Date: 01/24/2014

LUST REG 1:

Region: 1  
Facility ID: 1TSR048  
Staff Initials: JEF

SWEEPS UST:

Status: Active  
Comp Number: 2663  
Number: 9  
Board Of Equalization: 44-028141  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-002663-000001  
Tank Status: A  
Capacity: 2000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Active  
Comp Number: 2663  
Number: 9  
Board Of Equalization: 44-028141  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-002663-000002  
Tank Status: A  
Capacity: 2000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

HIST UST:

File Number: 000218D9  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000218D9.pdf>  
Region: STATE  
Facility ID: 00000002663  
Facility Type: Other  
Other Type: AUTO DEALER  
Contact Name: RICK BARRI,  
Telephone: 7075456602  
Owner Name: VEALE VOLKSWAGEN, INC.  
Owner Address: 2800 CORBY AVE.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Owner City,St,Zip: SANTA ROSA, CA 95407  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 49000150  
Regulated By: UTNKA  
Regulated ID: 00002663  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075456602  
Mail To: Not reported  
Mailing Address: P O BOX  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**CORTESE:**

Region: CORTESE  
Envirostor Id: Not reported  
Site/Facility Type: Not reported  
Cleanup Status: Not reported  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: CORTESE  
Order No: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Waste Discharge System No: Not reported  
Effective Date: 01/02/1989  
Region 2: 1  
WID Id: 1B1SR048NUG  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Cease Desist Orders & Cleanup Abatement Orders

**EMI:**

Year: 1990  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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 Smlr Tons/Yr:0

Year: 1993  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1996  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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 Smlr Tons/Yr:0

Year: 1997  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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 Smlr Tons/Yr:0

Year: 1998  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1999  
County Code: 49  
Air Basin: SF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Facility ID: 6470  
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  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
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  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2001  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
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  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
Air District Name: BAY AREA AQMD  
Community Health Air Pollution Info System: Not reported  
Consolidated Emission Reporting Rule: Not reported  
Total Organic Hydrocarbon Gases Tons/Yr: 1  
Reactive Organic Gases Tons/Yr: 1  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2005  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: .983  
Reactive Organic Gases Tons/Yr: .8653794  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2006  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: .2777552  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2007  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: .2777552  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2008  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: .2777552  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: 0.8389999999999997  
Reactive Organic Gases Tons/Yr: 0.7677950000000001  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2010  
County Code: 49  
Air Basin: SF  
Facility ID: 6470

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

Air District Name: BA  
SIC Code: 5511  
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: 0.8389999999999997  
Reactive Organic Gases Tons/Yr: 0.7677950000000001  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: 0.839  
Reactive Organic Gases Tons/Yr: 0.767795  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: 0.839  
Reactive Organic Gases Tons/Yr: 0.767795  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2013  
County Code: 49  
Air Basin: SF  
Facility ID: 6470  
Air District Name: BA  
SIC Code: 5511  
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: 0.839

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

1000279540

Reactive Organic Gases Tons/Yr: 0.767795  
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: 6470  
Air District Name: BA  
SIC Code: 5511  
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: 0.839466636  
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

ENF:

Region: 1  
Facility Id: 270289  
Agency Name: Not reported  
Place Type: Service/Commercial  
Place Subtype: Gasoline Service Station  
Facility Type: All other facilities  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.40907  
Place Longitude: -122.71649  
SIC Code 1: 5511  
SIC Desc 1: Motor Vehicle Dealers (New and Used)  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

|                                   |   |
|-----------------------------------|---|
| 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):              | 221761  |
| Region:                           | 1   |
| Order / Resolution Number:        | 89-071  |
| Enforcement Action Type:          | Clean-up and Abatement Order  |
| Effective Date:                   | 05/01/1989  |
| Adoption/Issuance Date:           | 05/01/1989  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 02/26/2014  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B1SR048NUG Veale Volkswagen  |
| Description:                      | TO DATE PRELIMINARY SITE ASSESSMENT WORKPLAN NOT RECEIVED.<br>ORDER REQUESTS SUBMITTAL OF PLAN. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | Not reported  |
| # Of Programs1:                   | 1   |
| Total Assessment Amount:          | \$0.00  |
| Initial Assessed Amount:          | \$0.00  |
| Liability \$ Amount:              | \$0.00  |
| Project \$ Amount:                | \$0.00  |
| Liability \$ Paid:                | \$0.00  |
| Project \$ Completed:             | \$0.00  |
| Total \$ Paid/Completed Amount:   | \$0.00  |
| Region:                           | 1   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Facility Id:                     | 270289                               |
| Agency Name:                     | Not reported                         |
| Place Type:                      | Service/Commercial                   |
| Place Subtype:                   | Gasoline Service Station             |
| Facility Type:                   | All other facilities                 |
| Agency Type:                     | Not reported                         |
| # Of Agencies:                   | Not reported                         |
| Place Latitude:                  | 38.40907                             |
| Place Longitude:                 | -122.71649                           |
| SIC Code 1:                      | 5511                                 |
| SIC Desc 1:                      | Motor Vehicle Dealers (New and Used) |
| 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                         |



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIG IMPORTS (Continued)**

**1000279540**

WDR Review - Planned: Not reported  
Status Enrollee: Not reported  
Individual/General: Not reported  
Fee Code: Not reported  
Direction/Voice: Not reported  
Enforcement Id(EID): 225826  
Region: 1  
Order / Resolution Number: LT970225  
Enforcement Action Type: Staff Enforcement Letter  
Effective Date: 02/25/1997  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 02/25/1997  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: Enforcement - 1B1SR048NUG Veale Volkswagen  
Description: REQUESTING SUBMITTAL OF WORKPLAN ADDENDUM.  
Program: UST  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR048

Region: CORTESE  
Facility County Code: 49  
Reg By: WBC&D  
Reg Id: 1B1SR048NUG

**P81**  
**SW**  
**1/4-1/2**  
**0.351 mi.**  
**1851 ft.**

**PRESTIGE ACURA**  
**CORBY AVENUE 2840**  
**SANTA ROSA, CA**  
**Site 2 of 4 in cluster P**

**LUST** **S102949318**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**128 ft.**

LUST REG 1:  
Region: 1  
Facility ID: 1TSR332  
Staff Initials: Closed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

82  
WSW  
1/4-1/2  
0.367 mi.  
1938 ft.

MEAD CLARK LUMBER SUPPLY  
3RD ST  
SANTA ROSA, CA 95401

HIST CORTESE S100281311  
N/A

Relative:  
Lower  
Actual:  
130 ft.

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR198  
  
Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR016

P83  
SW  
1/4-1/2  
0.376 mi.  
1984 ft.

ZUMWALT MAGRINI USED CARS  
2820 CORBY  
SANTA ROSA, CA 95407  
Site 3 of 4 in cluster P

LUST S103649315  
HIST CORTESE N/A

Relative:  
Lower  
Actual:  
127 ft.

LUST:  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700755](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700755)  
Global Id: T0609700755  
Latitude: 38.4093750377846  
Longitude: -122.717493470114  
Status: Completed - Case Closed  
Status Date: 07/02/1998  
Case Worker: ZZZ  
RB Case Number: 1TSR333  
Local Agency: SONOMA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported  
  
LUST:  
Global Id: T0609700755  
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: T0609700755  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ZUMWALT MAGRINI USED CARS (Continued)

S103649315

LUST:

Global Id: T0609700755  
Action Type: Other  
Date: 10/16/1997  
Action: Leak Stopped

Global Id: T0609700755  
Action Type: Other  
Date: 10/16/1997  
Action: Leak Discovery

Global Id: T0609700755  
Action Type: Other  
Date: 10/16/1997  
Action: Leak Reported

LUST:

Global Id: T0609700755  
Status: Open - Case Begin Date  
Status Date: 10/16/1997

Global Id: T0609700755  
Status: Open - Site Assessment  
Status Date: 12/01/1997

Global Id: T0609700755  
Status: Open - Site Assessment  
Status Date: 12/05/1997

Global Id: T0609700755  
Status: Open - Site Assessment  
Status Date: 06/09/1998

Global Id: T0609700755  
Status: Open - Remediation  
Status Date: 07/01/1998

Global Id: T0609700755  
Status: Open - Site Assessment  
Status Date: 07/01/1998

Global Id: T0609700755  
Status: Open - Verification Monitoring  
Status Date: 07/01/1998

Global Id: T0609700755  
Status: Completed - Case Closed  
Status Date: 07/02/1998

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR333

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P84**      **SANTA ROSA AMC-JEEP MAZDA**  
**SW**        **2820 CORBY AVE**  
**1/4-1/2**    **SANTA ROSA, CA 95407**  
**0.376 mi.**  
**1984 ft.**    **Site 4 of 4 in cluster P**

**LUST**      **1000395383**  
**SWEEPS UST**    **N/A**  
**HIST UST**  
**CA FID UST**

**Relative:**      LUST REG 1:  
**Lower**          Region:            1  
**Actual:**          Facility ID:        1TSR333  
**127 ft.**          Staff Initials:    Closed

**SWEEPS UST:**  
Status:            Not reported  
Comp Number:    18144  
Number:            Not reported  
Board Of Equalization: 44-028198  
Referral Date:    Not reported  
Action Date:      Not reported  
Created Date:     Not reported  
Owner Tank Id:    Not reported  
SWRCB Tank Id:   49-060-018144-000001  
Tank Status:      Not reported  
Capacity:          1000  
Active Date:      Not reported  
Tank Use:          M.V. FUEL  
STG:                PRODUCT  
Content:            REG UNLEADED  
Number Of Tanks: 2

Status:            Not reported  
Comp Number:    18144  
Number:            Not reported  
Board Of Equalization: 44-028198  
Referral Date:    Not reported  
Action Date:      Not reported  
Created Date:     Not reported  
Owner Tank Id:    Not reported  
SWRCB Tank Id:   49-060-018144-000002  
Tank Status:      Not reported  
Capacity:          Not reported  
Active Date:      Not reported  
Tank Use:          UNKNOWN  
STG:                PRODUCT  
Content:            Not reported  
Number Of Tanks: Not reported

**HIST UST:**  
File Number:      Not reported  
URL:                Not reported  
Region:            STATE  
Facility ID:        00000018144  
Facility Type:     Other  
Other Type:        AUTO DEALERSHIP  
Contact Name:     DAVID FASTOW  
Telephone:         7075284860  
Owner Name:        RI-JOYCE, INC.  
Owner Address:    2820 CORBY AVE  
Owner City,St,Zip: SANTA ROSA, CA 95407

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SANTA ROSA AMC-JEEP MAZDA (Continued)**

**1000395383**

Total Tanks: 0002  
  
Tank Num: 001  
Container Num: 1  
Year Installed: 1983  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 0000000001  
Year Installed: Not reported  
Tank Capacity: 00000000  
Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: None

CA FID UST:

Facility ID: 49001898  
Regulated By: UTNKA  
Regulated ID: 00018144  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075284860  
Mail To: Not reported  
Mailing Address: 2820 CORBY AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

85  
West  
1/4-1/2  
0.387 mi.  
2042 ft.

**GREG'S AUTOMOTIVE  
DUTTON  
SANTA ROSA, CA 93582**

**Notify 65 S100179294  
N/A**

Relative:  
Lower  
Actual:  
134 ft.

NOTIFY 65:  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**86**  
**SW**  
**1/4-1/2**  
**0.389 mi.**  
**2054 ft.**

**PRESTIGE ACURA**  
**2840 CORBY AVENUE**  
**SANTA ROSA, CA 95407**

**LUST** **S104574663**  
**SWEEPS UST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**126 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700754](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700754)  
Global Id: T0609700754  
Latitude: 38.408768  
Longitude: -122.717317  
Status: Completed - Case Closed  
Status Date: 01/29/1998  
Case Worker: ZZZ  
RB Case Number: 1TSR332  
Local Agency: SONOMA COUNTY  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**  
Global Id: T0609700754  
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: T0609700754  
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](mailto:craig.hunt@waterboards.ca.gov)  
Phone Number: 7075762220

**LUST:**  
Global Id: T0609700754  
Action Type: Other  
Date: 11/17/1997  
Action: Leak Stopped

Global Id: T0609700754  
Action Type: Other  
Date: 11/17/1997  
Action: Leak Discovery

Global Id: T0609700754  
Action Type: Other  
Date: 11/17/1997  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE ACURA (Continued)**

**S104574663**

LUST:

Global Id: T0609700754  
Status: Open - Case Begin Date  
Status Date: 11/17/1997

Global Id: T0609700754  
Status: Open - Site Assessment  
Status Date: 12/01/1997

Global Id: T0609700754  
Status: Open - Remediation  
Status Date: 01/28/1998

Global Id: T0609700754  
Status: Open - Site Assessment  
Status Date: 01/28/1998

Global Id: T0609700754  
Status: Open - Verification Monitoring  
Status Date: 01/28/1998

Global Id: T0609700754  
Status: Completed - Case Closed  
Status Date: 01/29/1998

SWEEPS UST:

Status: Active  
Comp Number: 150  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 10-15-93  
Action Date: 06-24-94  
Created Date: 06-24-94  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-000150-000001  
Tank Status: A  
Capacity: 550  
Active Date: 10-15-93  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: 1

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR332

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**Q87**      **MOUNTAIN VIEW MOBILE HOME PARK**  
**SSW**      **2860 SANTA ROSA AVENUE**  
**1/4-1/2**    **SANTA ROSA, CA 95404**  
**0.405 mi.**  
**2140 ft.**    **Site 1 of 3 in cluster Q**

**SLIC**    **S103393017**  
**N/A**

**Relative:**    SLIC REG 1:  
**Lower**        Region:            1  
**Actual:**       Facility ID:       1NSR345  
**128 ft.**        Staff Initials:    JAT

**Q88**      **YAEGER & KIRK LUMBER HARD**  
**SSW**      **2875 SANTA ROSA**  
**1/4-1/2**    **SANTA ROSA, CA 95407**  
**0.417 mi.**  
**2204 ft.**    **Site 2 of 3 in cluster Q**

**LUST**    **S100948682**  
**HIST CORTESE**    **N/A**

**Relative:**    LUST:  
**Lower**        Lead Agency:        NORTH COAST RWQCB (REGION 1)  
**Actual:**       Case Type:            LUST Cleanup Site  
**127 ft.**        Geo Track:            [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700556](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700556)  
                   Global Id:            T0609700556  
                   Latitude:            38.407294  
                   Longitude:           -122.714687  
                   Status:              Completed - Case Closed  
                   Status Date:        09/23/1993  
                   Case Worker:        ZZZ  
                   RB Case Number:    1TSR033  
                   Local Agency:        SANTA ROSA, CITY OF  
                   File Location:        Not reported  
                   Local Case Number: Not reported  
                   Potential Media Affect: Well used for drinking water supply  
                   Potential Contaminants of Concern: Gasoline  
                   Site History:        Not reported

LUST:  
 Global Id:            T0609700556  
 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

LUST:  
 Global Id:            T0609700556  
 Action Type:        ENFORCEMENT  
 Date:                11/15/1988  
 Action:              \* Historical Enforcement

Global Id:            T0609700556  
 Action Type:        Other  
 Date:                07/24/1987  
 Action:              Leak Reported

Global Id:            T0609700556  
 Action Type:        Other  
 Date:                07/24/1987  
 Action:              Leak Discovery



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAEGER & KIRK LUMBER HARD (Continued)**

**S100948682**

Global Id: T0609700556  
Action Type: Other  
Date: 07/24/1987  
Action: Leak Stopped

**LUST:**

Global Id: T0609700556  
Status: Open - Case Begin Date  
Status Date: 07/24/1987

Global Id: T0609700556  
Status: Open - Site Assessment  
Status Date: 09/14/1987

Global Id: T0609700556  
Status: Open - Site Assessment  
Status Date: 01/03/1989

Global Id: T0609700556  
Status: Open - Site Assessment  
Status Date: 07/20/1989

Global Id: T0609700556  
Status: Open - Site Assessment  
Status Date: 02/23/1990

Global Id: T0609700556  
Status: Open - Remediation  
Status Date: 09/22/1993

Global Id: T0609700556  
Status: Open - Verification Monitoring  
Status Date: 09/22/1993

Global Id: T0609700556  
Status: Completed - Case Closed  
Status Date: 09/23/1993

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR033

**Q89**  
**SSW**  
**1/4-1/2**  
**0.421 mi.**  
**2222 ft.**

**YAEGER & KIRK LUMBER HARDWARE**  
**SANTA ROSA AVENUE 2875**  
**SANTA ROSA, CA**  
**Site 3 of 3 in cluster Q**

**LUST S104163226**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**127 ft.**

**LUST REG 1:**  
Region: 1  
Facility ID: 1TSR033  
Staff Initials: Closed

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**R90**  
North  
1/4-1/2  
0.437 mi.  
2308 ft.

**EMPIRE DIAGNOSTIC**  
**COLGAN AVENUE 125**  
**SANTA ROSA, CA**

**Site 1 of 2 in cluster R**

**LUST S104163205**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**144 ft.**

LUST REG 1:  
Region: 1  
Facility ID: 1TSR175  
Staff Initials: Closed

**S91**  
**NNW**  
1/4-1/2  
0.440 mi.  
2321 ft.

**ARCO #1318**  
**1745 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95401**

**Site 1 of 4 in cluster S**

**LUST S100467827**  
**ENF N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**144 ft.**

LUST:  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700552](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700552)  
Global Id: T0609700552  
Latitude: 38.4210618970251  
Longitude: -122.713916301727  
Status: Completed - Case Closed  
Status Date: 05/17/2013  
Case Worker: ZZZ  
RB Case Number: 1TSR029  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board Warehouse  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: A former Atlantic Richfield Company (ARCO) gasoline station operated at the site from December 17, 1962 until its demolition on April 4, 1987. In March 1987, the City of Santa Rosa Fire Department discovered releases of petroleum products when fuel was observed entering the adjacent Colgan Creek via the weep holes in the concrete-lined sidewall of the stream channel. In March 1987, ARCO initiated free product recovery operations. In April 1987, ARCO removed approximately 200 gallons of petroleum product during demolition of the gasoline station. Between July 1987 and June 2001, ARCO installed sixteen monitoring wells, and advanced at least forty-two exploratory soil borings to define the extent of contamination and monitor remedial progress in groundwater. ARCO conducted quarterly and semi-annual groundwater monitoring at the Site from March 1996 to July 2012. In 1993, ARCO installed eight soil vapor extraction wells and eight air injection wells and initiated operation of a low-flow bio-spargue remediation system to enhance biological degradation of dissolved petroleum in groundwater.

LUST:  
Global Id: T0609700552  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Global Id: T0609700552  
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

**LUST:**

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 06/27/2011  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2005  
Action: Other Report / Document

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 05/09/2013  
Action: Well Destruction Report

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 04/12/2004  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 06/18/2004  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 02/08/2005  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 12/22/2005  
Action: \* No Action

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/03/2006  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Date: 03/15/2006  
Action: Well Installation Report

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/01/2013  
Action: Correspondence

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 02/20/2013  
Action: Other Report / Document

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 01/09/2013  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 12/21/2009  
Action: File review

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 07/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/01/2012  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/01/2012  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/31/2008  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 08/12/2006  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 07/31/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 07/31/2009  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 07/01/2006  
Action: \* No Action

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 06/12/2006  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700552  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Date: 11/14/2005  
Action: Other Workplan

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 11/30/2004  
Action: Soil and Water Investigation Report

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/01/2012  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/31/2012  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 08/22/1990  
Action: \* Historical Enforcement

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/30/2005  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 07/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 01/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 12/05/2012  
Action: Correspondence

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 12/20/2011  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/31/2006  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

|              |   |
|--------------|---|
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |
| Date:        | 04/30/2009                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |
| Date:        | 07/30/2007                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T0609700552                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 07/14/2009                                      |
| Action:      | File review                                     |
| Global Id:   | T0609700552                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 05/17/2013                                      |
| Action:      | Closure/No Further Action Letter                |
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |
| Date:        | 12/17/2012                                      |
| Action:      | Well Destruction Workplan - Regulator Responded |
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |
| Date:        | 09/30/2004                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T0609700552                                     |
| Action Type: | Other   |
| Date:        | 04/03/1987                                      |
| Action:      | Leak Reported                                   |
| Global Id:   | T0609700552                                     |
| Action Type: | Other   |
| Date:        | 04/03/1987                                      |
| Action:      | Leak Discovery                                  |
| Global Id:   | T0609700552                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 01/10/2013                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T0609700552                                     |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 03/10/2009                                      |
| Action:      | File review                                     |
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |
| Date:        | 10/31/2010                                      |
| Action:      | Monitoring Report - Semi-Annually               |
| Global Id:   | T0609700552                                     |
| Action Type: | RESPONSE  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Date: 04/30/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700552  
Action Type: Other  
Date: 04/03/1987  
Action: Leak Stopped

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 07/31/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 10/31/2009  
Action: Monitoring Report - Semi-Annually

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 07/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 04/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 12/03/2006  
Action: Other Workplan

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 12/04/2012  
Action: Staff Letter

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 11/20/2012  
Action: Rescission of Enforcement Action

Global Id: T0609700552  
Action Type: ENFORCEMENT  
Date: 10/14/2005  
Action: Staff Letter

Global Id: T0609700552  
Action Type: RESPONSE  
Date: 12/31/2011  
Action: Soil and Water Investigation Report



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ARCO #1318 (Continued)

S100467827

LUST:

|              |                                |
|--------------|--------------------------------|
| Global Id:   | T0609700552                    |
| Status:      | Open - Case Begin Date         |
| Status Date: | 04/03/1987                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 08/28/1987                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 03/06/1989                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 12/18/1992                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Remediation             |
| Status Date: | 12/20/1993                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Remediation             |
| Status Date: | 02/23/1994                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 11/24/2004                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Remediation             |
| Status Date: | 08/14/2006                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Remediation             |
| Status Date: | 10/12/2006                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 10/12/2006                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 12/14/2011                     |
| Global Id:   | T0609700552                    |
| Status:      | Open - Eligible for Closure    |
| Status Date: | 11/01/2012                     |
| Global Id:   | T0609700552                    |
| Status:      | Completed - Case Closed        |
| Status Date: | 05/17/2013                     |

LUST REG 1:

Region: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Facility ID: 1TSR029  
Staff Initials: JAT

ENF:

Region: 1  
Facility Id: 206234  
Agency Name: Not reported  
Place Type: Service/Commercial  
Place Subtype: Gasoline Service Station  
Facility Type: All other facilities  
Agency Type: Not reported  
# Of Agencies: Not reported  
Place Latitude: 38.42095  
Place Longitude: -122.71405  
SIC Code 1: 5541  
SIC Desc 1: Gasoline Service Stations  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

|                                   |  |
|-----------------------------------|--|
| 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):              | 219651   |
| Region:                           | 1  |
| Order / Resolution Number:        | LT960828   |
| Enforcement Action Type:          | Staff Enforcement Letter                             |
| Effective Date:                   | 08/28/1996   |
| Adoption/Issuance Date:           | Not reported   |
| Achieve Date:                     | Not reported   |
| Termination Date:                 | 08/28/1996   |
| ACL Issuance Date:                | Not reported   |
| EPL Issuance Date:                | Not reported   |
| Status:                           | Historical   |
| Title:                            | Enforcement - 1B91002N SON Arco Service Station 1318 |
| Description:                      | REQUESTING SUBMITTAL OF PERMIT RENEWAL PACKAGE.      |
| Program:                          | UST  |
| Latest Milestone Completion Date: | Not reported   |
| # Of Programs1:                   | 1  |
| Total Assessment Amount:          | \$0.00   |
| Initial Assessed Amount:          | \$0.00   |
| Liability \$ Amount:              | \$0.00   |
| Project \$ Amount:                | \$0.00   |
| Liability \$ Paid:                | \$0.00   |
| Project \$ Completed:             | \$0.00   |
| Total \$ Paid/Completed Amount:   | \$0.00   |
| Region:                           | 1  |
| Facility Id:                      | 206234   |
| Agency Name:                      | Not reported   |
| Place Type:                       | Service/Commercial                                   |
| Place Subtype:                    | Gasoline Service Station                             |
| Facility Type:                    | All other facilities                                 |
| Agency Type:                      | Not reported   |
| # Of Agencies:                    | Not reported   |
| Place Latitude:                   | 38.42095   |
| Place Longitude:                  | -122.71405   |
| SIC Code 1:                       | 5541   |
| SIC Desc 1:                       | Gasoline Service Stations                            |
| 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  |

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

|                                   |   |
|-----------------------------------|---|
| 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):              | 221393  |
| Region:                           | 1   |
| Order / Resolution Number:        | 90-171  |
| Enforcement Action Type:          | Clean-up and Abatement Order  |
| Effective Date:                   | 08/22/1990  |
| Adoption/Issuance Date:           | Not reported  |
| Achieve Date:                     | Not reported  |
| Termination Date:                 | 11/20/2012  |
| ACL Issuance Date:                | Not reported  |
| EPL Issuance Date:                | Not reported  |
| Status:                           | Historical  |
| Title:                            | Enforcement - 1B91002N SON Arco Service Station 1318  |
| Description:                      | DISCHARGE OF UNKNOWN QUANTITY OF FUEL PRODUCTS TO CAOLZAN CR. HYDROGEOLOGIC INVEST & CLEANUP TASKS. |
| Program:                          | UST   |
| Latest Milestone Completion Date: | 2012-11-20  |
| # Of Programs1:                   | 1   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARCO #1318 (Continued)**

**S100467827**

Total Assessment Amount: \$0.00  
Initial Assessed Amount: \$0.00  
Liability \$ Amount: \$0.00  
Project \$ Amount: \$0.00  
Liability \$ Paid: \$0.00  
Project \$ Completed: \$0.00  
Total \$ Paid/Completed Amount: \$0.00

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR029

Region: CORTESE  
Facility County Code: 49  
Reg By: WBC&D  
Reg Id: 1B91002NSON

**S92  
NNW  
1/4-1/2  
0.440 mi.  
2321 ft.**

**FORMER ARCO STATION  
1745 SANAT ROSA AVE  
SANTA ROSA, CA 93582**

**Notify 65 S100179509  
N/A**

**Site 2 of 4 in cluster S**

**Relative:  
Lower  
Actual:  
144 ft.**

**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

**S93  
NNW  
1/4-1/2  
0.440 mi.  
2321 ft.**

**SALIM SARMAST  
1745 SANTA ROSA AVE  
SANTA ROSA, CA 95401**

**SWEEPS UST S101627204  
CA FID UST N/A  
Cortese**

**Site 3 of 4 in cluster S**

**Relative:  
Lower  
Actual:  
144 ft.**

**SWEEPS UST:**  
Status: Active  
Comp Number: 26967  
Number: 9  
Board Of Equalization: 44-028227  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-026967-000001  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SALIM SARMAST (Continued)**

**S101627204**

Number Of Tanks: 4  
  
Status: Active  
Comp Number: 26967  
Number: 9  
Board Of Equalization: 44-028227  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-026967-000002  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 26967  
Number: 9  
Board Of Equalization: 44-028227  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 3  
SWRCB Tank Id: 49-060-026967-000003  
Tank Status: A  
Capacity: 12000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 26967  
Number: 9  
Board Of Equalization: 44-028227  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 4  
SWRCB Tank Id: 49-060-026967-000004  
Tank Status: A  
Capacity: 10000  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

CA FID UST:  
Facility ID: 49000071  
Regulated By: UTNKA  
Regulated ID: 00026967

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SALIM SARMAST (Continued)**

**S101627204**

Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: Not reported  
 Mail To: Not reported  
 Mailing Address: 1745 SANTA ROSA AVE  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: SANTA ROSA 95401  
 Contact: Not reported  
 Contact Phone: Not reported  
 DUNs Number: Not reported  
 NPDES Number: Not reported  
 EPA ID: Not reported  
 Comments: Not reported  
 Status: Active

**CORTESE:**

Region: CORTESE  
 Envirostor Id: Not reported  
 Site/Facility Type: Not reported  
 Cleanup Status: Not reported  
 Status Date: Not reported  
 Site Code: Not reported  
 Latitude: Not reported  
 Longitude: Not reported  
 Owner: Not reported  
 Enf Type: Not reported  
 Swat R: Not reported  
 Flag: CORTESE  
 Order No: Not reported  
 Waste Discharge System No: Not reported  
 Effective Date: Not reported  
 Region 2: Not reported  
 WID Id: Not reported  
 Solid Waste Id No: Not reported  
 Waste Management Uit Name: Not reported  
 File Name: Cease Desist Orders & Cleanup Abatement Orders

**T94**  
**North**  
**1/4-1/2**  
**0.458 mi.**  
**2416 ft.**

**EMPIRE SWIFT PLUMBING & HEAT**  
**244 COLGAN AVENUE**  
**SANTA ROSA, CA 95407**  
**Site 1 of 2 in cluster T**

**LUST S101304908**  
**HIST CORTESE N/A**

**Relative:**  
**Higher**  
**Actual:**  
**148 ft.**

**LUST:**  
 Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700662](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700662)  
 Global Id: T0609700662  
 Latitude: 38.4216044  
 Longitude: -122.7110302  
 Status: Completed - Case Closed  
 Status Date: 12/03/1997  
 Case Worker: ZZZ  
 RB Case Number: 1TSR172  
 Local Agency: SANTA ROSA, CITY OF  
 File Location: Not reported  
 Local Case Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE SWIFT PLUMBING & HEAT (Continued)**

**S101304908**

Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609700662  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700662  
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

LUST:

Global Id: T0609700662  
Action Type: ENFORCEMENT  
Date: 12/07/1990  
Action: \* Historical Enforcement

Global Id: T0609700662  
Action Type: Other  
Date: 11/20/1990  
Action: Leak Discovery

Global Id: T0609700662  
Action Type: Other  
Date: 11/20/1990  
Action: Leak Reported

Global Id: T0609700662  
Action Type: Other  
Date: 11/20/1990  
Action: Leak Stopped

LUST:

Global Id: T0609700662  
Status: Open - Case Begin Date  
Status Date: 11/20/1990

Global Id: T0609700662  
Status: Open - Site Assessment  
Status Date: 12/07/1990

Global Id: T0609700662  
Status: Open - Site Assessment  
Status Date: 01/28/1991



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE SWIFT PLUMBING & HEAT (Continued)**

**S101304908**

Global Id: T0609700662  
Status: Open - Site Assessment  
Status Date: 07/22/1992

Global Id: T0609700662  
Status: Open - Remediation  
Status Date: 10/02/1996

Global Id: T0609700662  
Status: Open - Verification Monitoring  
Status Date: 10/02/1996

Global Id: T0609700662  
Status: Completed - Case Closed  
Status Date: 12/03/1997

LUST REG 1:

Region: 1  
Facility ID: 1TSR172  
Staff Initials: Closed

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR172

R95  
North  
1/4-1/2  
0.463 mi.  
2443 ft.

**SHELL (STEEL BEAR DELI)  
1750 SANTA ROSA AVENUE  
SANTA ROSA, CA 95404**

**LUST S105085041  
N/A**

**Site 2 of 2 in cluster R**

**Relative:  
Lower  
Actual:  
145 ft.**

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000001233](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001233)  
Global Id: T10000001233  
Latitude: 38.4213687032666  
Longitude: -122.713165283203  
Status: Completed - Case Closed  
Status Date: 05/06/2014  
Case Worker: ZZZ  
RB Case Number: 1TSR444  
Local Agency: Not reported  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply, Soil, Surface water  
Potential Contaminants of Concern: Benzene, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

LUST:

Global Id: T10000001233  
Contact Type: Regional Board Caseworker  
Contact Name: REGIONAL WATER BOARD SITE CLOSED  
Organization Name: NORTH COAST RWQCB (REGION 1)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (STEEL BEAR DELI) (Continued)**

**S105085041**

Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: craig.hunt@waterboards.ca.gov  
Phone Number: 7075762220

**LUST:**

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 04/21/2010  
Action: Meeting

Global Id: T10000001233  
Action Type: Other  
Date: 06/29/2009  
Action: Leak Reported

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 05/04/2010  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 05/27/2011  
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 04/12/2013  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 09/01/2013  
Action: Soil and Water Investigation Report

Global Id: T10000001233  
Action Type: REMEDIATION  
Date: 01/01/1979  
Action: Excavation

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 01/22/2014  
Action: Staff Letter

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 06/01/2014  
Action: Well Destruction Report

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 09/19/2011  
Action: Meeting

Global Id: T10000001233

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (STEEL BEAR DELI) (Continued)**

**S105085041**

|              |   |
|--------------|---|
| Action Type: | ENFORCEMENT                                     |
| Date:        | 08/13/2010                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T10000001233                                    |
| Action Type: | RESPONSE  |
| Date:        | 12/04/2013                                      |
| Action:      | Other Report / Document                         |
| Global Id:   | T10000001233                                    |
| Action Type: | RESPONSE  |
| Date:        | 01/18/2014                                      |
| Action:      | Other Report / Document                         |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 09/09/2008                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 08/29/2012                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 07/11/2013                                      |
| Action:      | Site Visit / Inspection / Sampling              |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 11/13/2012                                      |
| Action:      | Verbal Enforcement                              |
| Global Id:   | T10000001233                                    |
| Action Type: | RESPONSE  |
| Date:        | 01/23/2012                                      |
| Action:      | Well Installation Workplan                      |
| Global Id:   | T10000001233                                    |
| Action Type: | RESPONSE  |
| Date:        | 03/29/2012                                      |
| Action:      | Monitoring Report - Quarterly                   |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 09/25/2009                                      |
| Action:      | Staff Letter                                    |
| Global Id:   | T10000001233                                    |
| Action Type: | RESPONSE  |
| Date:        | 12/18/2013                                      |
| Action:      | Well Destruction Workplan - Regulator Responded |
| Global Id:   | T10000001233                                    |
| Action Type: | ENFORCEMENT                                     |
| Date:        | 07/21/2011                                      |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (STEEL BEAR DELI) (Continued)**

**S105085041**

Action: Meeting

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 07/30/2012  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 10/30/2012  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 07/14/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 07/12/2010  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 10/13/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 11/07/2011  
Action: Soil and Water Investigation Workplan

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 01/16/2013  
Action: Staff Letter

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 05/26/2010  
Action: Staff Letter

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 02/07/2012  
Action: Staff Letter

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 08/28/2009  
Action: Preliminary Site Assessment Workplan

Global Id: T10000001233  
Action Type: Other  
Date: 09/09/2008  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (STEEL BEAR DELI) (Continued)**

**S105085041**

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 06/17/2013  
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 07/30/2013  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 10/30/2013  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 01/30/2013  
Action: Monitoring Report - Quarterly

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 11/19/2013  
Action: Notification - Public Notice of Case Closure

Global Id: T10000001233  
Action Type: ENFORCEMENT  
Date: 05/06/2014  
Action: Closure/No Further Action Letter

Global Id: T10000001233  
Action Type: RESPONSE  
Date: 01/17/2012  
Action: Monitoring Report - Quarterly

**LUST:**

Global Id: T10000001233  
Status: Open - Case Begin Date  
Status Date: 09/09/2008

Global Id: T10000001233  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 06/29/2009

Global Id: T10000001233  
Status: Open - Site Assessment  
Status Date: 06/29/2009

Global Id: T10000001233  
Status: Open - Eligible for Closure  
Status Date: 10/16/2013

Global Id: T10000001233  
Status: Open - Eligible for Closure  
Status Date: 01/21/2014

Global Id: T10000001233

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHELL (STEEL BEAR DELI) (Continued)**

**S105085041**

Status: Completed - Case Closed  
Status Date: 05/06/2014

**U96**  
**SSW**  
**1/4-1/2**  
**0.464 mi.**  
**2448 ft.**

**FREEMAN TOYOTA**  
**2875 CORBY AVE**  
**SANTA ROSA, CA 95407**  
**Site 1 of 4 in cluster U**

**RCRA-SQG 1000205913**  
**LUST CAD981674831**  
**AST**  
**FINDS**  
**ECHO**  
**EMI**  
**HAZNET**  
**NPDES**

**Relative:**  
**Lower**

**Actual:**  
**125 ft.**

**RCRA-SQG:**

Date form received by agency: 09/01/1996  
Facility name: FREEMAN TOYOTA  
Facility address: 2875 CORBY AVE  
SANTA ROSA, CA 95407  
EPA ID: CAD981674831  
Mailing address: PO BOX 1704  
SANTA ROSA, CA 95402  
Contact: Not reported  
Contact address: Not reported  
Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: THOMAS C FREEMAN  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996  
Site name: FREEMAN TOYOTA  
Classification: Small Quantity Generator

Date form received by agency: 09/18/1986  
Site name: FREEMAN TOYOTA  
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 1:

Region: 1  
Facility ID: 1TSR124  
Staff Initials: Closed

AST:

Certified Unified Program Agencies: Santa Rosa  
Owner: Freeman Toyota  
Total Gallons: 1,320  
CERSID: Not reported  
Facility ID: Not reported  
Business Name: Not reported  
Phone: Not reported  
Fax: Not reported  
Mailing Address: Not reported  
Mailing Address City: Not reported  
Mailing Address State: Not reported  
Mailing Address Zip Code: Not reported  
Operator Name: Not reported  
Operator Phone: Not reported  
Owner Phone: Not reported  
Owner Mail Address: Not reported  
Owner State: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

Owner Zip Code: Not reported  
Owner Country: Not reported  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: Not reported

Certified Unified Program Agencies: Not reported  
Owner: Dianna Freeman  
Total Gallons: Not reported  
CERSID: 10115101  
Facility ID: 49-060-000572  
Business Name: Freeman Toyota  
Phone: 707-542-1791  
Fax: 707-542-6014  
Mailing Address: PO Box 1704  
Mailing Address City: Santa Rosa  
Mailing Address State: CA  
Mailing Address Zip Code: 95402  
Operator Name: Gerry Quinlan  
Operator Phone: 707-542-1791  
Owner Phone: 707-542-1791  
Owner Mail Address: PO Box 1704  
Owner State: CA  
Owner Zip Code: 95402  
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: CAD981674831

**FINDS:**

Registry ID: 110001177360

**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.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

STATE MASTER

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000205913  
Registry ID: 110001177360  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001177360>

EMI:

Year: 1990  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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 Smlr Tons/Yr:0

Year: 1993  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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 Smlr Tons/Yr:0

Year: 2008  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

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: 1.167  
Reactive Organic Gases Tons/Yr: .4668  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2009  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.167  
Reactive Organic Gases Tons/Yr: 0.4667999999999999  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2010  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.167  
Reactive Organic Gases Tons/Yr: 0.4667999999999999  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2011  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.167  
Reactive Organic Gases Tons/Yr: 0.4668  
Carbon Monoxide Emissions Tons/Yr: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2012  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.167  
Reactive Organic Gases Tons/Yr: 0.4668  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2013  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.167  
Reactive Organic Gases Tons/Yr: 0.4668  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2014  
County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.17099783  
Reactive Organic Gases Tons/Yr: 0  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

County Code: 49  
Air Basin: SF  
Facility ID: 3872  
Air District Name: BA  
SIC Code: 5511  
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: 1.17099791  
Reactive Organic Gases Tons/Yr: 1.17099791  
Carbon Monoxide Emissions Tons/Yr: 0  
NOX - Oxides of Nitrogen Tons/Yr: 0  
SOX - Oxides of Sulphur Tons/Yr: 0  
Particulate Matter Tons/Yr: 0  
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

**HAZNET:**

envid: 1000205913  
Year: 2016  
GEPaid: CAD981674831  
Contact: GERALD QUINLAN  
Telephone: 7075421791  
Mailing Name: Not reported  
Mailing Address: PO BOX 1704  
Mailing City,St,Zip: SANTA ROSA, CA 954021704  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.7506  
Cat Decode: Aqueous solution with total organic residues 10 percent or more  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Sonoma

envid: 1000205913  
Year: 2016  
GEPaid: CAD981674831  
Contact: GERALD QUINLAN  
Telephone: 7075421791  
Mailing Name: Not reported  
Mailing Address: PO BOX 1704  
Mailing City,St,Zip: SANTA ROSA, CA 954021704  
Gen County: Sonoma  
TSD EPA ID: CA0000084517  
TSD County: Sacramento  
Waste Category: Aqueous solution with total organic residues less than 10 percent  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 1.2642  
Cat Decode: Aqueous solution with total organic residues less than 10 percent  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Sonoma

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

envid: 1000205913  
Year: 2016  
GEPaid: CAD981674831  
Contact: GERALD QUINLAN  
Telephone: 7075421791  
Mailing Name: Not reported  
Mailing Address: PO BOX 1704  
Mailing City,St,Zip: SANTA ROSA, CA 954021704  
Gen County: Sonoma  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Waste Category: Other organic solids  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.35  
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: 1000205913  
Year: 2016  
GEPaid: CAD981674831  
Contact: GERALD QUINLAN  
Telephone: 7075421791  
Mailing Name: Not reported  
Mailing Address: PO BOX 1704  
Mailing City,St,Zip: SANTA ROSA, CA 954021704  
Gen County: Sonoma  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.5  
Cat Decode: Unspecified oil-containing waste  
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Facility County: Sonoma

envid: 1000205913  
Year: 2015  
GEPaid: CAD981674831  
Contact: GERALD QUINLAN  
Telephone: 7075421791  
Mailing Name: Not reported  
Mailing Address: PO BOX 1704  
Mailing City,St,Zip: SANTA ROSA, CA 954021704  
Gen County: Sonoma  
TSD EPA ID: CAD980887418  
TSD County: Alameda  
Waste Category: Aqueous solution with total organic residues 10 percent or more  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 5.31675  
Cat Decode: Not reported  
Method Decode: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

Facility County: Sonoma

[Click this hyperlink](#) while viewing on your computer to access  
128 additional CA\_HAZNET: record(s) in the EDR Site Report.

NPDES:

|   |                |
|---|----------------|
| Npdes Number:                           | CAS000002      |
| Facility Status:                        | Active         |
| Agency Id:                              | 0              |
| Region:                                 | 1              |
| Regulatory Measure Id:                  | 495193         |
| Order No:                               | 2009-0009-DWQ  |
| Regulatory Measure Type:                | Enrollee       |
| Place Id:                               | Not reported   |
| WDID:                                   | 1 49C382624    |
| Program Type:                           | Construction   |
| Adoption Date Of Regulatory Measure:    | Not reported   |
| Effective Date Of Regulatory Measure:   | 03/02/2018     |
| Expiration Date Of Regulatory Measure:  | Not reported   |
| Termination Date Of Regulatory Measure: | Not reported   |
| Discharge Name:                         | Freeman Toyota |
| Discharge Address:                      | 2875 Corby Ave |
| Discharge City:                         | Santa Rosa     |
| Discharge State:                        | California     |
| Discharge Zip:                          | 95407          |
| RECEIVED DATE:                          | Not reported   |
| PROCESSED DATE:                         | Not reported   |
| STATUS CODE NAME:                       | Not reported   |
| STATUS DATE:                            | Not reported   |
| PLACE SIZE:                             | Not reported   |
| PLACE SIZE UNIT:                        | Not reported   |
| FACILITY CONTACT NAME:                  | Not reported   |
| FACILITY CONTACT TITLE:                 | Not reported   |
| FACILITY CONTACT PHONE:                 | Not reported   |
| FACILITY CONTACT PHONE EXT:             | Not reported   |
| FACILITY CONTACT EMAIL:                 | Not reported   |
| OPERATOR NAME:                          | Not reported   |
| OPERATOR ADDRESS:                       | Not reported   |
| OPERATOR CITY:                          | Not reported   |
| OPERATOR STATE:                         | Not reported   |
| OPERATOR ZIP:                           | Not reported   |
| OPERATOR CONTACT NAME:                  | Not reported   |
| OPERATOR CONTACT TITLE:                 | Not reported   |
| OPERATOR CONTACT PHONE:                 | Not reported   |
| OPERATOR CONTACT PHONE EXT:             | Not reported   |
| OPERATOR CONTACT EMAIL:                 | Not reported   |
| OPERATOR TYPE:                          | Not reported   |
| DEVELOPER NAME:                         | Not reported   |
| DEVELOPER ADDRESS:                      | Not reported   |
| DEVELOPER CITY:                         | Not reported   |
| DEVELOPER STATE:                        | Not reported   |
| DEVELOPER ZIP:                          | Not reported   |
| DEVELOPER CONTACT NAME:                 | Not reported   |
| DEVELOPER CONTACT TITLE:                | Not reported   |
| CONSTYPE LINEAR UTILITY IND:            | Not reported   |
| EMERGENCY PHONE NO:                     | Not reported   |
| EMERGENCY PHONE EXT:                    | Not reported   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**1000205913**

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

**U97** **FREEMAN TOYOTA**  
**SSW** **2875 CORBY**  
**1/4-1/2** **SANTA ROSA, CA 93582**  
**0.464 mi.**  
**2448 ft.**

**LUST** **S100236179**  
**HIST CORTESE** **N/A**  
**Notify 65**

**Site 2 of 4 in cluster U**

**Relative:**  
**Lower**  
**Actual:**  
**125 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700631](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700631)  
Global Id: T0609700631  
Latitude: 38.407989  
Longitude: -122.717915  
Status: Completed - Case Closed  
Status Date: 05/29/1995  
Case Worker: ZZZ  
RB Case Number: 1TSR124  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST:**  
Global Id: T0609700631  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**S100236179**

Global Id: T0609700631  
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

LUST:

Global Id: T0609700631  
Action Type: ENFORCEMENT  
Date: 11/30/1989  
Action: \* Historical Enforcement

Global Id: T0609700631  
Action Type: Other  
Date: 11/02/1989  
Action: Leak Discovery

Global Id: T0609700631  
Action Type: Other  
Date: 11/02/1989  
Action: Leak Reported

Global Id: T0609700631  
Action Type: Other  
Date: 11/02/1989  
Action: Leak Stopped

LUST:

Global Id: T0609700631  
Status: Open - Case Begin Date  
Status Date: 11/02/1989

Global Id: T0609700631  
Status: Open - Site Assessment  
Status Date: 11/30/1989

Global Id: T0609700631  
Status: Open - Site Assessment  
Status Date: 12/05/1990

Global Id: T0609700631  
Status: Open - Remediation  
Status Date: 05/28/1995

Global Id: T0609700631  
Status: Open - Site Assessment  
Status Date: 05/28/1995

Global Id: T0609700631  
Status: Open - Verification Monitoring  
Status Date: 05/28/1995

Global Id: T0609700631



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FREEMAN TOYOTA (Continued)**

**S100236179**

Status: Completed - Case Closed  
Status Date: 05/29/1995

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR124

**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

**U98**  
**SSW**  
**1/4-1/2**  
**0.473 mi.**  
**2499 ft.**

**SMOTHERS EUROPEAN**  
**2881 CORBY AVE**  
**SANTA ROSA, CA 95407**

**Site 3 of 4 in cluster U**

**RCRA-SQG 1000820590**  
**LUST CAD983666546**  
**SWEEPS UST**  
**CA FID UST**  
**FINDS**  
**ECHO**

**Relative:**  
**Lower**

**Actual:**  
**124 ft.**

**RCRA-SQG:**

Date form received by agency: 04/29/1993  
Facility name: SMOTHERS EUROPEAN  
Facility address: 2881 CORBY AVE  
SANTA ROSA, CA 95407  
EPA ID: CAD983666546  
Mailing address: CORBY AVE  
SANTA ROSA, CA 95407  
Contact: MERRIL HERRING  
Contact address: 2881 CORBY AVE  
SANTA ROSA, CA 95407  
Contact country: US  
Contact telephone: 707-542-4810  
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: DON SMOTHERS  
Owner/operator address: 2881 CORBY AVE  
SANTA ROSA, CA 95407  
Owner/operator country: Not reported  
Owner/operator telephone: 707-542-4810  
Owner/operator email: Not reported  
Owner/operator fax: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMOTHERS EUROPEAN (Continued)**

**1000820590**

Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

LUST REG 1:

Region: 1  
Facility ID: 1TSR250  
Staff Initials: Closed

SWEEPS UST:

Status: Active  
Comp Number: 66507  
Number: 1  
Board Of Equalization: 44-028390  
Referral Date: 07-13-93  
Action Date: 06-24-94  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-066507-000002  
Tank Status: A  
Capacity: 400  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: 1

Status: Not reported  
Comp Number: 66507  
Number: Not reported  
Board Of Equalization: 44-028390  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-060-066507-000001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMOTHERS EUROPEAN (Continued)**

**1000820590**

Tank Status: Not reported  
Capacity: 500  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: 1

CA FID UST:

Facility ID: 49002080  
Regulated By: UTNKA  
Regulated ID: 00066507  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075424810  
Mail To: Not reported  
Mailing Address: 2881 CORBY AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95407  
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:

Registry ID: 110002897848

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

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000820590  
Registry ID: 110002897848  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002897848>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U99** **SMOTHERS VOLVO**  
**SSW** **2881 CORBY AVE**  
**1/4-1/2** **SANTA ROSA, CA 95407**  
**0.473 mi.**  
**2499 ft.** **Site 4 of 4 in cluster U**

**LUST** **U001609579**  
**HIST UST** **N/A**  
**HIST CORTESE**

**Relative:**  
**Lower**  
**Actual:**  
**124 ft.**

**LUST:**  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700697](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700697)  
Global Id: T0609700697  
Latitude: 38.407368  
Longitude: -122.717325  
Status: Completed - Case Closed  
Status Date: 06/20/1996  
Case Worker: ZZZ  
RB Case Number: 1TSR250  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**  
Global Id: T0609700697  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700697  
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

**LUST:**  
Global Id: T0609700697  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Reported  
  
Global Id: T0609700697  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Discovery  
  
Global Id: T0609700697  
Action Type: Other  
Date: 09/20/1993  
Action: Leak Stopped

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMOTHERS VOLVO (Continued)**

**U001609579**

LUST:

Global Id: T0609700697  
Status: Open - Case Begin Date  
Status Date: 09/20/1993

Global Id: T0609700697  
Status: Open - Site Assessment  
Status Date: 09/24/1993

Global Id: T0609700697  
Status: Open - Remediation  
Status Date: 06/19/1996

Global Id: T0609700697  
Status: Open - Site Assessment  
Status Date: 06/19/1996

Global Id: T0609700697  
Status: Open - Verification Monitoring  
Status Date: 06/19/1996

Global Id: T0609700697  
Status: Completed - Case Closed  
Status Date: 06/20/1996

HIST UST:

File Number: 0002174C  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002174C.pdf>  
Region: STATE  
Facility ID: 0000066507  
Facility Type: Other  
Other Type: AUTO DEALERSHIP  
Contact Name: ROBERT WHITE  
Telephone: 7075424810  
Owner Name: SMOTHERS & WHITE INC.  
Owner Address: 2881 CORBY AVENUE  
Owner City,St,Zip: SANTA ROSA, CA 95407  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: 1984  
Tank Capacity: 00000000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: X  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1984  
Tank Capacity: 00000400  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SMOTHERS VOLVO (Continued)**

**U001609579**

Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR250

**T100**  
**North**  
**1/4-1/2**  
**0.475 mi.**  
**2507 ft.**

**EMPIRE DIAGNOSTIC**  
**125 COLGAN AVENUE**  
**SANTA ROSA, CA 95404**

**LUST S100861397**  
**HIST CORTESE N/A**

**Site 2 of 2 in cluster T**

**Relative:**  
**Higher**  
**Actual:**  
**147 ft.**

**LUST:**

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700664](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700664)  
Global Id: T0609700664  
Latitude: 38.4214094  
Longitude: -122.7122922  
Status: Completed - Case Closed  
Status Date: 06/22/1995  
Case Worker: ZZZ  
RB Case Number: 1TSR175  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

**LUST:**

Global Id: T0609700664  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700664  
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

**LUST:**

Global Id: T0609700664  
Action Type: ENFORCEMENT  
Date: 01/25/1991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE DIAGNOSTIC (Continued)**

**S100861397**

Action: \* Historical Enforcement

Global Id: T0609700664  
Action Type: Other  
Date: 01/11/1991  
Action: Leak Discovery

Global Id: T0609700664  
Action Type: Other  
Date: 01/11/1991  
Action: Leak Reported

Global Id: T0609700664  
Action Type: Other  
Date: 01/11/1991  
Action: Leak Stopped

**LUST:**

Global Id: T0609700664  
Status: Open - Case Begin Date  
Status Date: 01/11/1991

Global Id: T0609700664  
Status: Open - Site Assessment  
Status Date: 01/25/1991

Global Id: T0609700664  
Status: Open - Site Assessment  
Status Date: 03/19/1991

Global Id: T0609700664  
Status: Open - Site Assessment  
Status Date: 08/12/1991

Global Id: T0609700664  
Status: Open - Remediation  
Status Date: 06/21/1995

Global Id: T0609700664  
Status: Open - Site Assessment  
Status Date: 06/21/1995

Global Id: T0609700664  
Status: Open - Verification Monitoring  
Status Date: 06/21/1995

Global Id: T0609700664  
Status: Completed - Case Closed  
Status Date: 06/22/1995

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR175

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**V101**      **MANCINI ESTATE/RUNDELL/HATTON**  
**SE**        **3373 PETALUMA HILL ROAD**  
**1/4-1/2**    **SANTA ROSA, CA 93582**  
**0.478 mi.**  
**2522 ft.**    **Site 1 of 2 in cluster V**

**Notify 65**    **S100179521**  
**N/A**

**Relative:**      NOTIFY 65:  
**Lower**        Date Reported:    Not reported  
                   Staff Initials:    Not reported  
**Actual:**       Board File Number: Not reported  
**144 ft.**        Facility Type:     Not reported  
                   Discharge Date:   Not reported  
                   Issue Date:       Not reported  
                   Incident Description: Not reported

**V102**      **3375 PETALUMA HILL ROAD**  
**SE**        **SANTA ROSA, CA 93582**  
**1/4-1/2**  
**0.481 mi.**  
**2541 ft.**    **Site 2 of 2 in cluster V**

**Notify 65**    **S100179436**  
**N/A**

**Relative:**      NOTIFY 65:  
**Lower**        Date Reported:    Not reported  
                   Staff Initials:    Not reported  
**Actual:**       Board File Number: Not reported  
**143 ft.**        Facility Type:     Not reported  
                   Discharge Date:   Not reported  
                   Issue Date:       Not reported  
                   Incident Description: Not reported

**S103**      **CHEVRON #9-1168**  
**NNW**     **1715 SANTA ROSA AVENUE**  
**1/4-1/2**    **SANTA ROSA, CA 95404**  
**0.482 mi.**  
**2545 ft.**    **Site 4 of 4 in cluster S**

**LUST**        **S100236269**  
**HIST CORTESE**    **N/A**

**Relative:**      LUST:  
**Lower**        Lead Agency:        NORTH COAST RWQCB (REGION 1)  
**Actual:**       Case Type:            LUST Cleanup Site  
**145 ft.**        Geo Track:            [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700613](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700613)  
                   Global Id:            T0609700613  
                   Latitude:            38.4214294  
                   Longitude:           -122.7136232  
                   Status:                Completed - Case Closed  
                   Status Date:         06/06/2007  
                   Case Worker:         ZZZ  
                   RB Case Number:     1TSR102  
                   Local Agency:        SANTA ROSA, CITY OF  
                   File Location:        Regional Board  
                   Local Case Number:   Not reported  
                   Potential Media Affect: Aquifer used for drinking water supply  
                   Potential Contaminants of Concern: Gasoline  
                   Site History:         Not reported

LUST:  
 Global Id:            T0609700613  
 Contact Type:        Regional Board Caseworker  
 Contact Name:        REGIONAL WATER BOARD SITE CLOSED  
 Organization Name:   NORTH COAST RWQCB (REGION 1)



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-1168 (Continued)**

**S100236269**

Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: craig.hunt@waterboards.ca.gov  
Phone Number: 7075762220

LUST:

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 11/08/2006  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700613  
Action Type: RESPONSE  
Date: 11/30/2005  
Action: Other Report / Document

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 08/07/1989  
Action: \* Historical Enforcement

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 11/03/2006  
Action: Staff Letter

Global Id: T0609700613  
Action Type: REMEDIATION  
Date: 04/05/2000  
Action: Excavation

Global Id: T0609700613  
Action Type: RESPONSE  
Date: 07/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609700613  
Action Type: RESPONSE  
Date: 11/18/2006  
Action: Other Report / Document

Global Id: T0609700613  
Action Type: RESPONSE  
Date: 02/15/2007  
Action: Other Report / Document

Global Id: T0609700613  
Action Type: Other  
Date: 08/07/1989  
Action: Leak Discovery

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 06/06/2007  
Action: Closure/No Further Action Letter

Global Id: T0609700613

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-1168 (Continued)**

**S100236269**

Action Type: ENFORCEMENT  
Date: 01/29/2007  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700613  
Action Type: Other  
Date: 08/07/1989  
Action: Leak Reported

Global Id: T0609700613  
Action Type: Other  
Date: 08/07/1989  
Action: Leak Stopped

Global Id: T0609700613  
Action Type: REMEDIATION  
Date: 10/01/1996  
Action: Other (Use Description Field)

Global Id: T0609700613  
Action Type: RESPONSE  
Date: 06/30/2007  
Action: Other Report / Document

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 09/07/2005  
Action: Staff Letter

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 07/01/2005  
Action: File review

Global Id: T0609700613  
Action Type: ENFORCEMENT  
Date: 03/07/2007  
Action: Staff Letter

**LUST:**

Global Id: T0609700613  
Status: Open - Case Begin Date  
Status Date: 07/28/1989

Global Id: T0609700613  
Status: Open - Site Assessment  
Status Date: 07/28/1989

Global Id: T0609700613  
Status: Open - Site Assessment  
Status Date: 08/07/1989

Global Id: T0609700613  
Status: Open - Site Assessment  
Status Date: 09/18/1989

Global Id: T0609700613

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON #9-1168 (Continued)**

**S100236269**

Status: Open - Site Assessment  
 Status Date: 04/17/1991

Global Id: T0609700613  
 Status: Open - Remediation  
 Status Date: 02/06/1996

Global Id: T0609700613  
 Status: Open - Verification Monitoring  
 Status Date: 02/06/1996

Global Id: T0609700613  
 Status: Completed - Case Closed  
 Status Date: 06/06/2007

LUST REG 1:

Region: 1  
 Facility ID: 1TSR102  
 Staff Initials: JAT

HIST CORTESE:

Region: CORTESE  
 Facility County Code: 49  
 Reg By: LTNKA  
 Reg Id: 1TSR102

**104**  
**WNW**  
**1/4-1/2**  
**0.500 mi.**  
**2640 ft.**

**FOUCHE BROS**  
**2290 DUTTON AVENUE**  
**SANTA ROSA, CA 95401**

**ENVIROSTOR** **S108213818**  
**SLIC** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**134 ft.**

ENVIROSTOR:  
 Facility ID: 49500004  
 Status: Refer: RWQCB  
 Status Date: 09/27/1993  
 Site Code: Not reported  
 Site Type: Historical  
 Site Type Detailed: \* Historical  
 Acres: Not reported  
 NPL: NO  
 Regulatory Agencies: NONE SPECIFIED  
 Lead Agency: NONE SPECIFIED  
 Program Manager: Not reported  
 Supervisor: Referred - Not Assigned  
 Division Branch: Cleanup Berkeley  
 Assembly: 10  
 Senate: 02  
 Special Program: \* Rural County Survey Program  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: Not reported  
 Latitude: 38.41731  
 Longitude: -122.7219  
 APN: 043-041-001  
 Past Use: NONE SPECIFIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FOUCHE BROS (Continued)**

**S108213818**

Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 043-041-001  
Alias Type: APN  
Alias Name: T0609793108  
Alias Type: GeoTracker Global ID  
Alias Name: 49500004  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 03/10/1988  
Comments: FACILITY IDENTIFIED POLK DIR 1958

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 04/22/1988  
Comments: SITE SCREENING DONE AUTO DISMANTLER, POSS ONSITE DISP

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment Report  
Completed Date: 10/06/2015  
Comments: DTSC completed site reassessment on US EPA's behalf. Lead and volatile organic compounds were detected in soil and groundwater above screening levels. The North Coast Regional Water Quality Control Board is currently overseeing environmental cleanup. EPA determined that the site needed further assessment under CERCLA but at low priority as a state agency is currently overseeing cleanup.

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

**SLIC:**

Region: STATE  
**Facility Status: Open - Remediation**  
Status Date: 10/17/2014  
Global Id: T0609793108  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.4168209335305  
Longitude: -122.722892388885  
Case Type: Cleanup Program Site  
Case Worker: BML  
Local Agency: SONOMA COUNTY  
RB Case Number: 1NSO366

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FOUCHE BROS (Continued)**

**S108213818**

File Location: Regional Board  
 Potential Media Affected: Aquifer used for drinking water supply, Soil, Well used for drinking water supply  
 Potential Contaminants of Concern: Gasoline  
 Site History: This site is comprised of three parcels totaling approximately 12.2 acres. Since the late 1940s up until 2000 or 2001, the site was operated as an auto wrecking yard by the Fouche family. Soil and groundwater at the site were affected by the auto wrecking activities. Soil cleanup work has been performed. Cleanup and Abatement Order No.R1-2016-0040 was issued by the Regional Water Board in 2016. Soil testing for lead and groundwater testing for HVOcs is ongoing under the CAO. The site is currently being developed into residential housing.

Click here to access the California GeoTracker records for this facility:

**105  
 North  
 1/2-1  
 0.580 mi.  
 3062 ft.**

**METAL ENGINEERING  
 532 ASTON AVE  
 SANTA ROSA, CA 95404**

**LUST S101627289  
 SWEEPS UST N/A  
 HIST UST  
 CA FID UST  
 Notify 65**

**Relative:  
 Higher  
 Actual:  
 153 ft.**

LUST:  
 Lead Agency: NORTH COAST RWQCB (REGION 1)  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609791118](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609791118)  
 Global Id: T0609791118  
 Latitude: 38.4232515404296  
 Longitude: -122.709968090057  
 Status: Completed - Case Closed  
 Status Date: 06/10/2014  
 Case Worker: ZZZ  
 RB Case Number: 1TSR383  
 Local Agency: SANTA ROSA, CITY OF  
 File Location: Regional Board  
 Local Case Number: Not reported  
 Potential Media Affect: Aquifer used for drinking water supply, Under Investigation  
 Potential Contaminants of Concern: Diesel, Gasoline  
 Site History: The underground storage tank site is a welding and metal fabrication shop. There formerly were two underground gasoline tanks at the site. Each tank occupied a separate excavation. One tank was installed in 1973 by a previous owner. The second tank was installed in 1980 by the responsible party. Both underground fuel tanks were removed from the site in February 2001. Soil samples collected from the tank excavations did not reveal the presence of any detectable contaminants of concern. A groundwater sample collected from one of the tank pits (west), however, was found to contain a detectable amount of gasoline contamination. An AUnderground Storage Tank Unauthorized Release Report@ was filed by the Santa Rosa Fire Department on March 25, 2001. In correspondence dated July 19, 2001 the North Coast Region, Regional Water Quality Control Board formally requested submittal of a wordplay for site investigation. Between January and May of 2004 a total of eight groundwater monitoring wells were installed and sampled. The extent of soil and groundwater contamination was determined to be fully characterized. A dual phase extraction system was installed at the site in December 2004 to remediate contaminated soil and groundwater below the site. The remedial system was in operation since early 2005. In December 2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

operation of the remedial system was discontinued pending an evaluation of system effectiveness. During the first quarter of 2008 site remediation based on groundwater extraction was implemented. B-zone monitoring wells were installed in August 2012 to assess the extent and stability of the B-zone aquifer. Assessment of the extent of contamination in the deeper water-bearing zone was completed in 2013.

LUST:

Global Id: T0609791118  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609791118  
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

LUST:

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/12/2008  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/31/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/15/2008  
Action: Soil and Water Investigation Workplan

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/30/2013  
Action: Monitoring Report - Semi-Annually

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/27/2012  
Action: Soil and Water Investigation Workplan

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 03/15/2003  
Action: Other Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 02/10/2014  
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 12/29/2010  
Action: File review

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 05/08/2008  
Action: File review

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 05/14/2008  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/29/2003  
Action: Notification - Proposition 65

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/28/2013  
Action: Other Report / Document

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/01/2013  
Action: Sensitive Receptor Survey Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/15/2013  
Action: Conceptual Site Model

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 10/15/2004  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/11/2003  
Action: Other Workplan

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 09/12/2011  
Action: Staff Letter

Global Id: T0609791118  
Action Type: REMEDIATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Date: 02/15/2006  
Action: Soil Vapor Extraction (SVE)

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 03/15/2007  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 05/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 12/31/2012  
Action: Other Report / Document

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 12/31/2012  
Action: Monitoring Report - Other

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/21/2008  
Action: Staff Letter

Global Id: T0609791118  
Action Type: REMEDIATION  
Date: 12/15/2004  
Action: Soil Vapor Extraction (SVE)

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/14/2007  
Action: Other Report / Document

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 02/18/2014  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 12/16/2013  
Action: Correspondence

Global Id: T0609791118  
Action Type: REMEDIATION  
Date: 01/01/2004  
Action: Pump & Treat (P&T) Groundwater

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 08/30/2004  
Action: Interim Remedial Action Plan



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/30/2005  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/07/2014  
Action: Request for Closure - Regulator Responded

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 07/16/2013  
Action: Verbal Enforcement

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 10/26/2012  
Action: Verbal Enforcement

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/30/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 01/31/2009  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 08/30/2009  
Action: Soil and Water Investigation Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 11/25/2013  
Action: Soil and Water Investigation Report

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 05/29/2009  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 01/31/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Date: 04/30/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 10/11/2007  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/31/2011  
Action: Monitoring Report - Semi-Annually

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 02/07/2007  
Action: Remedial Progress Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/01/2007  
Action: Unknown

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 09/15/2003  
Action: Other Workplan

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 01/19/2007  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 11/08/2007  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/31/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/21/2014  
Action: Correspondence

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/30/2013  
Action: Staff Letter

Global Id: T0609791118  
Action Type: Other  
Date: 03/06/2001  
Action: Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 09/17/2004  
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 01/27/2003  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 06/04/2003  
Action: File review

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/06/2013  
Action: Soil and Water Investigation Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/04/2013  
Action: Correspondence

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 08/30/2004  
Action: Soil and Water Investigation Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 12/31/2012  
Action: Conceptual Site Model

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 01/10/2006  
Action: Other Report / Document

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/31/2007  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 03/23/2004  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Date: 08/17/2004  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/17/2004  
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 07/21/2009  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 07/13/2009  
Action: File review

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 11/11/2005  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 12/22/2006  
Action: File review

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 01/27/2006  
Action: File review

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 08/22/2008  
Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 06/27/2012  
Action: Staff Letter

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 03/04/2013  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 11/30/2008  
Action: Soil and Water Investigation Report

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 05/15/2013  
Action: Soil and Water Investigation Workplan - Regulator Responded

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 06/30/2013  
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 06/10/2014  
Action: Closure/No Further Action Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 07/31/2013  
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0609791118  
Action Type: Other  
Date: 03/23/2001  
Action: Leak Reported

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 11/15/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 11/01/2002  
Action: Site Visit / Inspection / Sampling

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 01/31/2013  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 08/15/2003  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 04/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Other Report / Document

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 03/29/2012  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Date: 01/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 11/26/2013  
Action: Notification - Public Notice of Case Closure

Global Id: T0609791118  
Action Type: ENFORCEMENT  
Date: 11/26/2013  
Action: Staff Letter

Global Id: T0609791118  
Action Type: RESPONSE  
Date: 10/01/2007  
Action: Soil and Water Investigation Workplan

**LUST:**

Global Id: T0609791118  
Status: Open - Case Begin Date  
Status Date: 03/06/2001

Global Id: T0609791118  
Status: Open - Site Assessment  
Status Date: 06/21/2001

Global Id: T0609791118  
Status: Open - Site Assessment  
Status Date: 09/24/2001

Global Id: T0609791118  
Status: Open - Site Assessment  
Status Date: 09/13/2007

Global Id: T0609791118  
Status: Open - Remediation  
Status Date: 01/03/2008

Global Id: T0609791118  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 07/01/2008

Global Id: T0609791118  
Status: Open - Verification Monitoring  
Status Date: 03/15/2012

Global Id: T0609791118  
Status: Open - Site Assessment  
Status Date: 06/27/2012

Global Id: T0609791118  
Status: Open - Eligible for Closure  
Status Date: 11/21/2013

Global Id: T0609791118  
Status: Completed - Case Closed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Status Date: 06/10/2014

**SWEEPS UST:**

Status: Active  
Comp Number: 52958  
Number: 9  
Board Of Equalization: 44-028325  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-052958-000001  
Tank Status: A  
Capacity: 900  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Active  
Comp Number: 52958  
Number: 9  
Board Of Equalization: 44-028325  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2  
SWRCB Tank Id: 49-060-052958-000002  
Tank Status: A  
Capacity: 1200  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 00021985  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021985.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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METAL ENGINEERING (Continued)**

**S101627289**

Tank Used for: Not reported  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID: 49003800  
Regulated By: UTNKA  
Regulated ID: 00052958  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075453977  
Mail To: Not reported  
Mailing Address: 532 ASTON AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95404  
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

106  
SSW  
1/2-1  
0.585 mi.  
3089 ft.

**PRESTIGE LINCOLN MERCURY  
2979 CORBY AVENUE  
SANTA ROSA, CA 93582**

**LUST 1000388923  
HIST CORTESE N/A  
Notify 65**

**Relative:  
Lower  
Actual:  
122 ft.**

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700630](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700630)  
Global Id: T0609700630  
Latitude: 38.4051782527383  
Longitude: -122.716744935057  
Status: Completed - Case Closed  
Status Date: 03/16/2010  
Case Worker: ZZZ  
RB Case Number: 1TSR123  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

Site History: Not reported

LUST:

Global Id: T0609700630  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700630  
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

LUST:

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 09/15/2004  
Action: Other Report / Document

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 12/30/2008  
Action: Monitoring Report - Other

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 10/15/2009  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 04/30/2008  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 05/23/2008  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 11/30/1989  
Action: \* Historical Enforcement

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 08/10/2004  
Action: Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 03/27/2003  
Action: Waste Discharge Requirements - #R1-003-0002

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 08/10/2004  
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 01/30/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 07/31/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 08/24/2007  
Action: File review

Global Id: T0609700630  
Action Type: REMEDIATION  
Date: 07/26/2005  
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 09/15/2009  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 10/15/2009  
Action: Staff Letter

Global Id: T0609700630  
Action Type: Other  
Date: 11/09/1989  
Action: Leak Discovery

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 11/01/2009  
Action: Other Report / Document

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 01/15/2005  
Action: Other Report / Document

Global Id: T0609700630  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

Date: 09/21/2006  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 12/14/2009  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 02/22/2010  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 03/10/2010  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 03/10/2010  
Action: Closure/No Further Action Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 09/21/2006  
Action: 13267 Monitoring Program

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 11/15/2006  
Action: Staff Letter

Global Id: T0609700630  
Action Type: REMEDIATION  
Date: 05/22/1991  
Action: Excavation

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 11/15/2008  
Action: Other Report / Document

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 09/15/2004  
Action: Other Report / Document

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 10/31/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 04/30/2006  
Action: Monitoring Report - Quarterly

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 06/15/2008  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609700630  
Action Type: Other  
Date: 11/09/1989  
Action: Leak Reported

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 04/16/2003  
Action: \* No Action

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 10/21/2005  
Action: 13267 Monitoring Program - #R1-2005-0103

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 02/04/2003  
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 08/19/2003  
Action: File review

Global Id: T0609700630  
Action Type: REMEDIATION  
Date: 05/22/1991  
Action: Excavation

Global Id: T0609700630  
Action Type: Other  
Date: 11/09/1989  
Action: Leak Stopped

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 09/10/2010  
Action: Well Destruction Report

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 10/28/2008  
Action: Staff Letter

Global Id: T0609700630  
Action Type: RESPONSE  
Date: 04/30/2007  
Action: Monitoring Report - Quarterly

Global Id: T0609700630  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

Date: 11/23/2004  
Action: Staff Letter

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 12/08/2004  
Action: Rescission of Enforcement Action - #R1-2004-0093

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 09/15/2009  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700630  
Action Type: ENFORCEMENT  
Date: 09/01/2009  
Action: File review

**LUST:**

Global Id: T0609700630  
Status: Open - Case Begin Date  
Status Date: 11/09/1989

Global Id: T0609700630  
Status: Open - Site Assessment  
Status Date: 11/30/1989

Global Id: T0609700630  
Status: Open - Site Assessment  
Status Date: 02/20/1990

Global Id: T0609700630  
Status: Open - Site Assessment  
Status Date: 04/10/1990

Global Id: T0609700630  
Status: Open - Site Assessment  
Status Date: 02/04/1993

Global Id: T0609700630  
Status: Open - Remediation  
Status Date: 07/18/2001

Global Id: T0609700630  
Status: Open - Remediation  
Status Date: 03/27/2003

Global Id: T0609700630  
Status: Open - Verification Monitoring  
Status Date: 04/30/2007

Global Id: T0609700630  
Status: Completed - Case Closed  
Status Date: 03/16/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRESTIGE LINCOLN MERCURY (Continued)**

**1000388923**

LUST REG 1:

Region: 1  
Facility ID: 1TSR123  
Staff Initials: JAT

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR123

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

**W107**  
**North**  
**1/2-1**  
**0.592 mi.**  
**3126 ft.**

**BROMLEY PROPERTY**  
**1500 SANTA ROSA**  
**SANTA ROSA, CA 95402**

**Site 1 of 2 in cluster W**

**LUST S102949347**  
**SLIC N/A**  
**HIST CORTESE**  
**Notify 65**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700752](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700752)  
Global Id: T0609700752  
Latitude: 38.4232730437348  
Longitude: -122.712726749599  
Status: Completed - Case Closed  
Status Date: 01/06/2014  
Case Worker: ZZZ  
RB Case Number: 1TSR327  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: \* Solvents  
Site History: Former chrome plating facility with gas UST. Tank portion of site being evaluated for no further action. Solvent case active. Note that there is a companion project for non-UST items labeled 1NSR327.

LUST:

Global Id: T0609700752  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700752

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

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

**LUST:**

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 10/17/2002  
Action: Monitoring Report - Quarterly

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 04/30/2004  
Action: Soil and Water Investigation Report

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 11/12/2004  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 01/06/2014  
Action: Closure/No Further Action Letter

Global Id: T0609700752  
Action Type: Other  
Date: 09/30/1997  
Action: Leak Stopped

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 04/18/2011  
Action: Staff Letter

Global Id: T0609700752  
Action Type: Other  
Date: 09/30/1997  
Action: Leak Discovery

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 04/17/2001  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 05/04/2001  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 08/21/2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

Action: Monitoring Report - Quarterly

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 06/27/2002  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 04/08/2002  
Action: Monitoring Report - Quarterly

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 04/07/2009  
Action: Staff Letter

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 06/23/2000  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 06/06/2001  
Action: Soil and Water Investigation Report

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 08/20/2003  
Action: Soil and Water Investigation Workplan

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 03/25/2010  
Action: Staff Letter

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 11/04/1997  
Action: Other Report / Document

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 10/02/1998  
Action: Preliminary Site Assessment Workplan

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 05/20/1999  
Action: Preliminary Site Assessment Report

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 03/26/2001  
Action: Monitoring Report - Quarterly



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 08/27/2002  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 02/04/2013  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 12/20/2004  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 08/06/1998  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 09/30/1997  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 10/06/1998  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 09/20/2000  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 03/29/2001  
Action: Meeting

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 02/25/2002  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 01/05/2004  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 05/24/2011  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

Date: 02/19/2003  
Action: Warning Letter

Global Id: T0609700752  
Action Type: RESPONSE  
Date: 05/23/2005  
Action: Soil and Water Investigation Report

Global Id: T0609700752  
Action Type: Other  
Date: 09/30/1997  
Action: Leak Reported

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 02/04/2013  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 12/27/2013  
Action: Staff Letter

Global Id: T0609700752  
Action Type: ENFORCEMENT  
Date: 06/22/2004  
Action: Staff Letter

**LUST:**

Global Id: T0609700752  
Status: Open - Case Begin Date  
Status Date: 09/30/1997

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 11/04/1997

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 10/02/1998

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 10/06/1998

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 12/02/1998

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 05/20/1999

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 06/23/2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 09/20/2000

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 04/17/2001

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 05/04/2001

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 06/27/2002

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 08/20/2003

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 11/12/2004

Global Id: T0609700752  
Status: Open - Site Assessment  
Status Date: 03/28/2011

Global Id: T0609700752  
Status: Open - Eligible for Closure  
Status Date: 01/30/2013

Global Id: T0609700752  
Status: Completed - Case Closed  
Status Date: 01/06/2014

**LUST REG 1:**

Region: 1  
Facility ID: 1TSR327  
Staff Initials: JEF

**SLIC:**

Region: STATE  
**Facility Status:** **Open - Site Assessment**  
Status Date: 12/29/2010  
Global Id: T0609791166  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.4232725539603  
Longitude: -122.712784409523  
Case Type: Cleanup Program Site  
Case Worker: JAT  
Local Agency: Not reported  
RB Case Number: 1NSR327  
File Location: Regional Board

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROMLEY PROPERTY (Continued)**

**S102949347**

Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: \* Solvents  
Site History: Former chrome plating shop with sump and UST. Note there is a companion UST project for this site labeled 1TSR327.

Click here to access the California GeoTracker records for this facility:

SLIC REG 1:

Region: 1  
Facility ID: 1NSR327  
Staff Initials: JEF

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR327

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

**W108**  
**North**  
**1/2-1**  
**0.626 mi.**  
**3306 ft.**

**TRANSCO TRANSMISSION**  
**1470 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95404**

**Site 2 of 2 in cluster W**

**ENVIROSTOR** **U000067576**  
**LUST** **N/A**  
**HIST CORTESE**  
**Notify 65**

**Relative:**  
**Higher**  
**Actual:**  
**151 ft.**

ENVIROSTOR:  
Facility ID: 49340002  
Status: Refer: RWQCB  
Status Date: 03/25/1995  
Site Code: Not reported  
Site Type: Historical  
Site Type Detailed: \* Historical  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Referred - Not Assigned  
Division Branch: Cleanup Berkeley  
Assembly: 10  
Senate: 02  
Special Program: \* Rural County Survey Program  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.42377  
Longitude: -122.7125  
APN: 038-131-020

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: INDUSTRIAL HARD CHROME  
Alias Type: Alternate Name  
Alias Name: 038-131-020  
Alias Type: APN  
Alias Name: 49340002  
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: 04/26/1988  
Comments: SITE SCREENING DONE POSSIBLE ONSITE DISP

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 04/06/1988  
Comments: FACILITY IDENTIFIED SONOMA COUNTY EH - HVY MET, ORGANICS DISCH TO CEMENT PAD & SEWER

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700634](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700634)  
Global Id: T0609700634  
Latitude: 38.4237876505221  
Longitude: -122.713062025726  
Status: Completed - Case Closed  
Status Date: 06/01/2010  
Case Worker: ZZZ  
RB Case Number: 1TSR131  
Local Agency: SANTA ROSA, CITY OF  
File Location: Regional Board  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: On site discharges addressed. Case closed. On site migration from adjacent sites; petroleum from the north and solvents from the south. Wells to remain in place for future monitoring by other responsible parties.

LUST:

Global Id: T0609700634

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700634  
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

Global Id: T0609700634  
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

**LUST:**

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 04/04/2007  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 06/01/2010  
Action: Closure/No Further Action Letter

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 05/15/2003  
Action: Meeting

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 10/01/1993  
Action: Staff Letter

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 02/23/1990  
Action: Staff Letter

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 12/27/1990  
Action: Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

|              |                               |
|--------------|-------------------------------|
| Global Id:   | T0609700634                   |
| Action Type: | ENFORCEMENT                   |
| Date:        | 08/11/1995                    |
| Action:      | Staff Letter                  |
| Global Id:   | T0609700634                   |
| Action Type: | ENFORCEMENT                   |
| Date:        | 08/17/1998                    |
| Action:      | Staff Letter                  |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 02/19/1992                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 12/22/1993                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 08/10/1993                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 07/13/1995                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 02/14/2002                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 05/27/2003                    |
| Action:      | Monitoring Report - Quarterly |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 08/14/2002                    |
| Action:      | Request for Closure           |
| Global Id:   | T0609700634                   |
| Action Type: | RESPONSE                      |
| Date:        | 11/14/2002                    |
| Action:      | Request for Closure           |
| Global Id:   | T0609700634                   |
| Action Type: | Other                         |
| Date:        | 01/08/1990                    |
| Action:      | Leak Discovery                |
| Global Id:   | T0609700634                   |
| Action Type: | ENFORCEMENT                   |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Date: 11/07/2008  
Action: Staff Letter

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 07/28/2009  
Action: Staff Letter

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 05/17/1990  
Action: Preliminary Site Assessment Workplan

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 11/20/1990  
Action: Preliminary Site Assessment Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 06/13/1991  
Action: Soil and Water Investigation Workplan

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 02/06/1992  
Action: Soil and Water Investigation Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 05/24/1996  
Action: Soil and Water Investigation Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 09/28/1994  
Action: Interim Remedial Action Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 09/27/1995  
Action: Soil and Water Investigation Workplan

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 04/17/1995  
Action: Soil and Water Investigation Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 05/08/1991  
Action: Monitoring Report - Quarterly

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 07/24/1991  
Action: Monitoring Report - Quarterly



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 06/18/2007  
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 05/17/2007  
Action: Verbal Communication

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 06/12/2008  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 02/08/1996  
Action: Soil and Water Investigation Report

Global Id: T0609700634  
Action Type: RESPONSE  
Date: 10/11/1991  
Action: Monitoring Report - Quarterly

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 11/07/2009  
Action: Staff Letter

Global Id: T0609700634  
Action Type: Other  
Date: 01/08/1990  
Action: Leak Reported

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 08/26/1999  
Action: Notification - Fee Title Owners Notice

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 01/10/1990  
Action: Notification - Proposition 65

Global Id: T0609700634  
Action Type: Other  
Date: 01/08/1990  
Action: Leak Stopped

Global Id: T0609700634  
Action Type: ENFORCEMENT  
Date: 06/01/2010  
Action: Staff Letter

Global Id: T0609700634  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Date: 03/11/2008  
Action: Clean Up Fund - 5-Year Review Summary

LUST:

Global Id: T0609700634  
Status: Open - Case Begin Date  
Status Date: 01/08/1990

Global Id: T0609700634  
Status: Open - Site Assessment  
Status Date: 01/26/1990

Global Id: T0609700634  
Status: Open - Site Assessment  
Status Date: 05/16/1990

Global Id: T0609700634  
Status: Open - Site Assessment  
Status Date: 07/12/1990

Global Id: T0609700634  
Status: Open - Site Assessment  
Status Date: 02/08/1996

Global Id: T0609700634  
Status: Open - Verification Monitoring  
Status Date: 08/17/1998

Global Id: T0609700634  
Status: Open - Remediation  
Status Date: 06/18/2007

Global Id: T0609700634  
Status: Open - Remediation  
Status Date: 06/27/2007

Global Id: T0609700634  
Status: Completed - Case Closed  
Status Date: 06/01/2010

Global Id: T0609700634  
Status: Open - Remediation  
Status Date: 06/01/2010

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR131

NOTIFY 65:

Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSCO TRANSMISSION (Continued)**

**U000067576**

Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**109**  
**SSW**  
**1/2-1**  
**0.643 mi.**  
**3393 ft.**

**GOLDEN TECHNOLOGY SITE**  
**3017 AND 3019 SANTA ROSA AVENUE**  
**SANTA ROSA, CA 95407**

**RESPONSE**  
**ENVIROSTOR**  
**HIST Cal-Sites**  
**DEED**

**S102008403**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**122 ft.**

**RESPONSE:**  
Facility ID: 49390001  
Site Type: State Response  
Site Type Detail: State Response ERAP  
Acres: 2.9  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Jessica Tibor  
Supervisor: Julie Pettijohn  
Division Branch: Cleanup Berkeley  
Site Code: 290001  
Site Mgmt. Req.: DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES  
  
Assembly: 10  
Senate: 02  
Special Program Status: Designation of Single Agency  
Status: Active  
Status Date: 06/25/1996  
Restricted Use: YES  
Funding: Responsible Party  
Latitude: 38.40432  
Longitude: -122.7149  
APN: 043132032, 043132051  
Past Use: MANUFACTURING - ELECTRONIC  
Potential COC : Trichloroethylene (TCE 1,2-Dichloroethylene (cis  
Confirmed COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis  
Potential Description: AQUI, OTH, SOIL  
Alias Name: GOLDEN TECHNOLOGY  
Alias Type: Alternate Name  
Alias Name: 043132032  
Alias Type: APN  
Alias Name: 043132051  
Alias Type: APN  
Alias Name: 110033620623  
Alias Type: EPA (FRS #)  
Alias Name: T0609793165  
Alias Type: GeoTracker Global ID  
Alias Name: 43-132-32  
Alias Type: Historical APN  
Alias Name: 43-132-45  
Alias Type: Historical APN  
Alias Name: 43-132-46  
Alias Type: Historical APN  
Alias Name: 43-132-47  
Alias Type: Historical APN  
Alias Name: 43-132-48  
Alias Type: Historical APN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Alias Name: 43-132-49  
Alias Type: Historical APN  
Alias Name: 43-132-50  
Alias Type: Historical APN  
Alias Name: 202050  
Alias Type: Project Code (Site Code)  
Alias Name: 202118  
Alias Type: Project Code (Site Code)  
Alias Name: 290001  
Alias Type: Project Code (Site Code)  
Alias Name: 49390001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 10/08/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 02/22/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Allocation of Liability for SB 923 Sites  
Completed Date: 06/30/2010  
Comments: Apportionment of Liability, for the groundwater RAP, was issued 6/30/2010.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 02/21/2011  
Comments: Monitoring report was received by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/21/2011  
Comments: Monitoring report was accepted by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 11/05/2012  
Comments: Email from DTSC project manager approving October 2016 Monitoring report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/12/2013  
Comments: DTSC approval letter for revised March 2017 semi-annual monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/21/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/09/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/21/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 10/08/2004  
Comments: Approved design for the soil RAP

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 10/08/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 05/09/1997  
Comments: Approved Public Participation Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/24/1996  
Comments: The Preliminary Endangerment Assessment (PEA) indicates that metals and trichloroethylene (TCE) are present in onsite soil and TCE and PCE are present in groundwater.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 01/10/1996  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 02/09/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 06/30/2010  
Comments: The remedy identified in the RAP is GW treatment using Enhanced Reductive Dechlorination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/14/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/29/2006  
Comments: Document accepted with comments to be addressed in the next monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/11/2006  
Comments: Letter sent out approving report, requiring further evaluation of the HRC treatability study, and requiring schedule for the Feasibility Study.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/03/2006  
Comments: No significant comments; report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/20/2006  
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 03/30/2006  
Comments: DTSC determined that no further action is required for vadose zone soil following completion of the soil excavation and the execution of deed restrictions. The groundwater investigation is still ongoing.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Date: 06/23/2006  
Comments: The workplan failed to include the installation of lower aquifer monitoring wells to help bound the plume. Therefore, DTSC required that monitoring wells be installed and sampled. A report documenting these actions is required no later than October 31, 2006.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 08/12/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 11/07/2006  
Comments: Bio-Trap samplers installed 10/5/06 and removed 11/7/06 for a total of approximately 33 days in place.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/13/2007  
Comments: DTSC required submittal of workplan for implementation of the recommended expansion of the HRC treatability study. Workplan to be submitted by 4/20/07.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/06/2007  
Comments: Report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/22/2007  
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/25/2004  
Comments: Waste Discharge Requirements for the In-situ Treatment of VOCs in Groundwater by Enhanced Reductive Dechlorination adopted by the Regional Water Quality Control Board on 8/25/2004.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/02/2007  
Comments: Report documents the implementation of the expanded treatability study. HRC injection performed on 7/16/07; Bio-Dechlor Inoculum (BDI) application on 8/17/2007. Third quarter monitoring event sounded 16 onsite and offsite wells on 9/24/2007. 6 shallow and 2 deeper groundwater monitoring wells sampled.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 04/11/2008  
Comments: Report documents the installation of MW-LA-05 and MW-LA-06, two lower aquifer wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/11/2008  
Comments: Second groundwater monitoring event following implementation of the expanded treatability study. An evaluation of the effectiveness of the expanded treatability study will be included in the next quarterly report, along with a schedule for completion of the groundwater Remedial Action Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/17/2008  
Comments: Report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 11/03/2008  
Comments: Fact Sheet announces the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting on November 20, 2008 from 6 p.m. to 8:30 p.m.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 10/31/2008  
Comments: Public notice will appear in the Press Democrat on November 7, 2008 announcing the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting to be held on November 20, 2008 from 6 p.m. to 8:30 p.m..

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 05/27/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/22/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/03/2011  
Comments: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/10/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/12/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 06/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 06/28/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 06/29/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/29/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/06/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/30/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/11/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Date: 10/31/2016  
Comments: Monitoring report was received by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/31/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/31/2016  
Comments: Monitoring report was accepted by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 01/09/2017  
Comments: Email from DTSC project manager approving October 2016 Monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/16/2017  
Comments: DTSC approval letter for revised March 2017 semi-annual monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/16/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 09/13/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 11/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 12/24/2010  
Comments: .

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 12/24/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/01/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/01/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/14/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/01/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 05/20/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 07/27/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/30/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/05/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/28/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/24/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/16/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/01/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/29/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/08/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/10/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 12/08/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 06/26/1998  
Comments: DTSC providing oversight for investigation and cleanup.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/23/2001  
Comments: Referred to DTSC since site is being actively overseen by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/29/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 04/12/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/15/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 04/26/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/03/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Workplan  
Completed Date: 08/02/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 06/14/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 08/16/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/29/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 12/12/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/15/2017  
Comments: Annual Cost Estimate letter for activities occurring between July 1, 2017 and June 30, 2018 with DTSC oversight.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 11/09/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 09/19/2017  
Comments: Internal DTSC Health and Safety form. Hazard Appraisal and Recognition Pre-Site Visit Form for DTSC staff visiting the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/05/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 04/24/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 09/25/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/14/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 12/23/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 06/09/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Document Type: Monitoring Report  
Completed Date: 12/23/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/30/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/06/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 07/18/2017  
Comments: DTSC has reviewed and approved the Workplan to investigate trichloroethylene (TCE) vapors beneath the 3017 building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 12/28/2017  
Comments: DTSC has reviewed and approved the Revised Subsurface Vapor Investigation Report. The Report summarizes the concentrations of chlorinated solvents detected from five soil vapor probes at four feet of depth beneath the 3017 Building. The results from this investigation will be used to propose a Soil Vapor Extraction Pilot Test Workplan for DTSC review and approval.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/08/2017  
Comments: Field work activities for September 2017 include routine semi-annual monitoring (including subsurface, groundwater monitoring wells, and indoor air sampling) and additional soil vapor investigation under the 3017 building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 03/09/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Financial Assurance Documentation  
Completed Date: 04/11/2017  
Comments: Approval letter from DTSC Financial Assurance unit for Operation and Maintenance.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 12/01/2017  
Comments: DTSC has approved the September semiannual monitoring report. Concentrations of trichloroethylene and associated breakdown products were within historic ranges in groundwater and subslab vapor.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 04/25/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 02/24/2012  
Comments: Demand letter #2

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 11/07/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 01/09/2018  
Comments: Email correspondence from the North Coast Regional Water Quality Control Board requesting groundwater samples be analyzed for 1,4 dioxane.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 01/10/2018  
Comments: Notice of building code violations at 3017 Santa Rosa Boulevard by the City of Santa Rosa.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Post HARP Form  
Completed Date: 12/20/2017  
Comments: DTSC internal health and safety document so that DTSC staff may visit the site and observe work. Post-work field report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 01/26/2012  
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 03/01/2016



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Letter and certificate sent to the Site's responsible parties certifying that work conducted under the Expedited Remedial Action Program (ERAP) Agreement is complete.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 02/01/2006  
Comments: DTSC is currently providing oversight for this project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/20/2017  
Comments: Field visit to inspect building foundation after alteration was made without notifying DTSC as required by the Site's land use covenant.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Information Request Letter  
Completed Date: 01/12/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/24/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Conferences for SB 923 Sites  
Completed Date: 11/07/1996  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: AB 2061 - Designation  
Completed Date: 08/28/1996  
Comments: Designated for ERAP pilot program.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 12/14/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 02/24/2016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 02/24/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 12/14/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 03/20/1998  
Comments: Signed ERAP Agreement.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 01/03/1996  
Comments: Agreement for review of PEA

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 02/20/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operation & Maintenance Order/Agreement  
Completed Date: 02/26/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Litigation Support  
Completed Date: 01/13/2011  
Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/12/2009  
Comments: Not reported

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Design/Implementation Workplan  
Future Due Date: 2018  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Public Notice

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Future Due Date: 2019  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: 5 Year Review Reports  
Future Due Date: 2019  
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: 49390001  
Status: Active  
Status Date: 06/25/1996  
Site Code: 290001  
Site Type: State Response  
Site Type Detailed: State Response ERAP  
Acres: 2.9  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Jessica Tibor  
Supervisor: Julie Pettijohn  
Division Branch: Cleanup Berkeley  
Assembly: 10  
Senate: 02  
Special Program: Designation of Single Agency  
Restricted Use: YES  
Site Mgmt Req: DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES  
Funding: Responsible Party  
Latitude: 38.40432  
Longitude: -122.7149  
APN: 043132032, 043132051  
Past Use: MANUFACTURING - ELECTRONIC  
Potential COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis  
Confirmed COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis  
Potential Description: AQUI, OTH, SOIL  
Alias Name: GOLDEN TECHNOLOGY  
Alias Type: Alternate Name  
Alias Name: 043132032  
Alias Type: APN  
Alias Name: 043132051  
Alias Type: APN  
Alias Name: 110033620623  
Alias Type: EPA (FRS #)  
Alias Name: T0609793165  
Alias Type: GeoTracker Global ID  
Alias Name: 43-132-32  
Alias Type: Historical APN  
Alias Name: 43-132-45  
Alias Type: Historical APN  
Alias Name: 43-132-46  
Alias Type: Historical APN  
Alias Name: 43-132-47  
Alias Type: Historical APN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Alias Name: 43-132-48  
Alias Type: Historical APN  
Alias Name: 43-132-49  
Alias Type: Historical APN  
Alias Name: 43-132-50  
Alias Type: Historical APN  
Alias Name: 202050  
Alias Type: Project Code (Site Code)  
Alias Name: 202118  
Alias Type: Project Code (Site Code)  
Alias Name: 290001  
Alias Type: Project Code (Site Code)  
Alias Name: 49390001  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 10/08/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 02/22/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Allocation of Liability for SB 923 Sites  
Completed Date: 06/30/2010  
Comments: Apportionment of Liability, for the groundwater RAP, was issued 6/30/2010.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 02/21/2011  
Comments: Monitoring report was received by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/21/2011  
Comments: Monitoring report was accepted by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 11/05/2012  
Comments: Email from DTSC project manager approving October 2016 Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/12/2013  
Comments: DTSC approval letter for revised March 2017 semi-annual monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/21/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/09/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/21/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 10/08/2004  
Comments: Approved design for the soil RAP

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 10/08/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 05/09/1997  
Comments: Approved Public Participation Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/24/1996  
Comments: The Preliminary Endangerment Assessment (PEA) indicates that metals and trichloroethylene (TCE) are present in onsite soil and TCE and PCE are present in groundwater.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 01/10/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 02/09/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 06/30/2010  
Comments: The remedy identified in the RAP is GW treatment using Enhanced Reductive Dechlorination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/14/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/29/2006  
Comments: Document accepted with comments to be addressed in the next monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/11/2006  
Comments: Letter sent out approving report, requiring further evaluation of the HRC treatability study, and requiring schedule for the Feasibility Study.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/03/2006  
Comments: No significant comments; report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/20/2006  
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 03/30/2006  
Comments: DTSC determined that no further action is required for vadose zone soil following completion of the soil excavation and the execution of deed restrictions. The groundwater investigation is still ongoing.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 06/23/2006  
Comments: The workplan failed to include the installation of lower aquifer monitoring wells to help bound the plume. Therefore, DTSC required that monitoring wells be installed and sampled. A report documenting these actions is required no later than October 31, 2006.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 08/12/2004  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 11/07/2006  
Comments: Bio-Trap samplers installed 10/5/06 and removed 11/7/06 for a total of approximately 33 days in place.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/13/2007  
Comments: DTSC required submittal of workplan for implementation of the recommended expansion of the HRC treatability study. Workplan to be submitted by 4/20/07.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/06/2007  
Comments: Report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/22/2007  
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/25/2004  
Comments: Waste Discharge Requirements for the In-situ Treatment of VOCs in Groundwater by Enhanced Reductive Dechlorination adopted by the Regional Water Quality Control Board on 8/25/2004.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/02/2007  
Comments: Report documents the implementation of the expanded treatability study. HRC injection performed on 7/16/07; Bio-Dechlor Inoculum (BDI) application on 8/17/2007. Third quarter monitoring event sounded 16 onsite and offsite wells on 9/24/2007. 6 shallow and 2 deeper

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

groundwater monitoring wells sampled.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 04/11/2008  
Comments: Report documents the installation of MW-LA-05 and MW-LA-06, two lower aquifer wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/11/2008  
Comments: Second groundwater monitoring event following implementation of the expanded treatability study. An evaluation of the effectiveness of the expanded treatability study will be included in the next quarterly report, along with a schedule for completion of the groundwater Remedial Action Plan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/17/2008  
Comments: Report accepted.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 11/03/2008  
Comments: Fact Sheet announces the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting on November 20, 2008 from 6 p.m. to 8:30 p.m.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 10/31/2008  
Comments: Public notice will appear in the Press Democrat on November 7, 2008 announcing the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting to be held on November 20, 2008 from 6 p.m. to 8:30 p.m..

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 05/27/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/22/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Date: 08/03/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/10/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/12/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 06/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 06/28/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 06/29/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/29/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/06/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/30/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/11/2014  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/31/2016  
Comments: Monitoring report was received by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/31/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/31/2016  
Comments: Monitoring report was accepted by DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 01/09/2017  
Comments: Email from DTSC project manager approving October 2016 Monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/16/2017  
Comments: DTSC approval letter for revised March 2017 semi-annual monitoring report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/16/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 09/13/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 11/30/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 12/24/2010  
Comments: .

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 12/24/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/01/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/01/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 10/14/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 06/01/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Correspondence - Received  
Completed Date: 05/20/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 07/27/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/30/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/05/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/28/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/24/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 08/16/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 09/01/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/29/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/08/2010  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/10/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 12/08/2011  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 06/26/1998  
Comments: DTSC providing oversight for investigation and cleanup.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/23/2001  
Comments: Referred to DTSC since site is being actively overseen by DTSC.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/29/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 04/12/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/15/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 04/26/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/03/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Workplan  
Completed Date: 08/02/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 06/14/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 08/16/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/29/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 12/12/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/15/2017  
Comments: Annual Cost Estimate letter for activities occurring between July 1, 2017 and June 30, 2018 with DTSC oversight.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 11/09/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 09/19/2017  
Comments: Internal DTSC Health and Safety form. Hazard Appraisal and Recognition Pre-Site Visit Form for DTSC staff visiting the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 10/05/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 04/24/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 09/25/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 07/14/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 12/23/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 06/09/2015  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/23/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/30/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 03/06/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 07/18/2017  
Comments: DTSC has reviewed and approved the Workplan to investigate trichloroethylene (TCE) vapors beneath the 3017 building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 12/28/2017  
Comments: DTSC has reviewed and approved the Revised Subsurface Vapor Investigation Report. The Report summarizes the concentrations of chlorinated solvents detected from five soil vapor probes at four feet of depth beneath the 3017 Building. The results from this investigation will be used to propose a Soil Vapor Extraction Pilot Test Workplan for DTSC review and approval.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/08/2017  
Comments: Field work activities for September 2017 include routine semi-annual monitoring (including subslab, groundwater monitoring wells, and indoor air sampling) and additional soil vapor investigation under the 3017 building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 03/09/2017  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Financial Assurance Documentation  
Completed Date: 04/11/2017  
Comments: Approval letter from DTSC Financial Assurance unit for Operation and Maintenance.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 12/01/2017  
Comments: DTSC has approved the September semiannual monitoring report. Concentrations of trichloroethylene and associated breakdown products were within historic ranges in groundwater and subslab vapor.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 04/25/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 02/24/2012  
Comments: Demand letter #2

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 11/07/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 01/09/2018  
Comments: Email correspondence from the North Coast Regional Water Quality Control Board requesting groundwater samples be analyzed for 1,4 dioxane.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 01/10/2018  
Comments: Notice of building code violations at 3017 Santa Rosa Boulevard by the City of Santa Rosa.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Post HARP Form  
Completed Date: 12/20/2017  
Comments: DTSC internal health and safety document so that DTSC staff may visit the site and observe work. Post-work field report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Letter - Demand  
Completed Date: 01/26/2012  
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Date: 03/01/2016  
Comments: Letter and certificate sent to the Site's responsible parties certifying that work conducted under the Expedited Remedial Action Program (ERAP) Agreement is complete.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 02/01/2006  
Comments: DTSC is currently providing oversight for this project.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 09/20/2017  
Comments: Field visit to inspect building foundation after alteration was made without notifying DTSC as required by the Site's land use covenant.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Information Request Letter  
Completed Date: 01/12/2018  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 06/24/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Conferences for SB 923 Sites  
Completed Date: 11/07/1996  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: AB 2061 - Designation  
Completed Date: 08/28/1996  
Comments: Designated for ERAP pilot program.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 12/14/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/29/2009  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Completed Date: 02/24/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 02/24/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 12/14/2005  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 03/20/1998  
Comments: Signed ERAP Agreement.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 01/03/1996  
Comments: Agreement for review of PEA

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 02/20/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Operation & Maintenance Order/Agreement  
Completed Date: 02/26/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Litigation Support  
Completed Date: 01/13/2011  
Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/12/2009  
Comments: Not reported

Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Design/Implementation Workplan  
Future Due Date: 2018  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Future Document Type: Public Notice  
Future Due Date: 2019  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: 5 Year Review Reports  
Future Due Date: 2019  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Calsite:

Region: BERKELEY  
Facility ID: 49390001  
Facility Type: ERAP  
Type: EXPEDITED REMEDIAL ACTION PROGRAM  
Branch: NC  
Branch Name: NORTH COAST  
File Name: GOLDEN TECHNOLOGY  
State Senate District: 06251996  
Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Status Name: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
NPL: Not reported  
SIC Code: 39  
SIC Name: MISCELLANEOUS MANUFACTURING INDUSTRIES  
Access: Controlled  
Cortese: Not reported  
Hazardous Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Not reported  
Staff Member Responsible for Site: JNAITO  
Supervisor Responsible for Site: Not reported  
Region Water Control Board: NC  
Region Water Control Board Name: NORTH COAST  
Lat/Long Direction: Not reported  
Lat/Long (dms): 0 0 0 / 0 0 0  
Lat/long Method: Not reported  
Lat/Long Description: Not reported  
State Assembly District Code: 07  
State Senate District Code: 02  
Facility ID: 49390001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: SITE  
Proposed Budget: 0  
AWP Completion Date: 12312004  
Revised Due Date: 12312005  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: SOIL  
Proposed Budget: 0  
AWP Completion Date: 09302004  
Revised Due Date: Not reported  
Comments Date: 10082004  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: DES  
Activity Name: DESIGN  
AWP Code: SOIL  
Proposed Budget: 0  
AWP Completion Date: 10312004  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: X  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Facility ID: 49390001  
Activity: RMDL  
Activity Name: REMEDIAL ACTION (RAP REQUIRED)  
AWP Code: GW  
Proposed Budget: 0  
AWP Completion Date: 12312005  
Revised Due Date: 12312006  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: CERT  
Activity Name: CERTIFICATION  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: 12312006  
Revised Due Date: 12312007  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: 2061  
Activity Name: AB 2061 DESIGNATION  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 08281996  
Est Person-Yrs to complete: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: GW  
Proposed Budget: 0  
AWP Completion Date: 06302005  
Revised Due Date: 07012006  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: PEA  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 01031996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: SS  
Activity Name: SITE SCREENING  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 01101996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 06241996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: PRP  
Activity Name: POTENTIAL RESPONSIBLE PARTY SEARCH

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 11071996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: CONF  
Activity Name: SITE CONFERENCES FOR SB 923 SITES  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 11071996  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP  
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49390001  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: EA  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 03201998  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: ERAP



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

|                               |   |
|-------------------------------|---|
| Definition of Status:         | EXPEDITED REMEDIAL ACTION PROGRAM SITES   |
| Liquids Removed (Gals):       | 0   |
| Liquids Treated (Gals):       | 0   |
| Action Included Capping:      | Not reported  |
| Well Decommissioned:          | Not reported  |
| Action Included Fencing:      | Not reported  |
| Removal Action Certification: | Not reported  |
| Activity Comments:            | Not reported  |
| For Commercial Reuse:         | 0   |
| For Industrial Reuse:         | 0   |
| For Residential Reuse:        | 0   |
| Unknown Type:                 | 0   |
| Facility ID:                  | 49390001  |
| Activity:                     | PPP   |
| Activity Name:                | PUBLIC PARTICIPATION PLAN   |
| AWP Code:                     | Not reported  |
| Proposed Budget:              | 0   |
| AWP Completion Date:          | Not reported  |
| Revised Due Date:             | Not reported  |
| Comments Date:                | 05091997  |
| Est Person-Yrs to complete:   | 0   |
| Estimated Size:               | Not reported  |
| Request to Delete Activity:   | Not reported  |
| Activity Status:              | ERAP  |
| Definition of Status:         | EXPEDITED REMEDIAL ACTION PROGRAM SITES   |
| Liquids Removed (Gals):       | 0   |
| Liquids Treated (Gals):       | 0   |
| Action Included Capping:      | Not reported  |
| Well Decommissioned:          | Not reported  |
| Action Included Fencing:      | Not reported  |
| Removal Action Certification: | Not reported  |
| Activity Comments:            | Not reported  |
| For Commercial Reuse:         | 0   |
| For Industrial Reuse:         | 0   |
| For Residential Reuse:        | 0   |
| Unknown Type:                 | 0   |
| Alternate Address:            | 3017 AND 3019 SANTA ROSA AVENUE   |
| Alternate City,St,Zip:        | SANTA ROSA, CA 95407  |
| Background Info:              | The Site is the location of the former Golden Technology facility which manufactured printed circuit boards from 1969 to 1975. Waste generated from facility operations was discharged onsite and included acids, metals, and solvents. |
| Comments Date:                | 01031996  |
| Comments:                     | Order issued.   |
| Comments Date:                | 03201998  |
| Comments:                     | Signed ERAP Agreement.  |
| Comments Date:                | 05091997  |
| Comments:                     | Approved Public Participation Plan.   |
| Comments Date:                | 06241996  |
| Comments:                     | The Preliminary Endangerment Assessment (PEA) indicates that  |
| Comments Date:                | 06241996  |
| Comments:                     | metals and trichloroethylene (TCE) are present in onsite soil   |
| Comments Date:                | 06241996  |
| Comments:                     | and TCE and PCE are present in groundwater.   |
| Comments Date:                | 08281996  |
| Comments:                     | Designated for ERAP pilot program.  |
| Comments Date:                | 10082004  |

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TECHNOLOGY SITE (Continued)**

**S102008403**

Comments: Approved RAP and Design requiring excavation and off-site  
Comments Date: 10082004  
Comments: disposal of contaminated soil.  
Comments Date: 11071996  
Comments: Conducted site conference with appropriate regulatory agencies  
Comments Date: 11071996  
Comments: and completed PRP search.  
ID Name: CALSTARS CODE  
ID Value: 290001  
Alternate Name: GOLDEN TECHNOLOGY SITE  
Alternate Name: GOLDEN TECHNOLOGY  
Alternate Name: Not reported  
Special Programs Code: Not reported  
Special Programs Name: Not reported

**DEED:**

Envirostor ID: 49390001  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: STATE RESPONSE  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 12/14/2005  
File Name: Envirostor Land Use Restrictions

Envirostor ID: 49390001  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: STATE RESPONSE  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 02/24/2016  
File Name: Envirostor Land Use Restrictions

Envirostor ID: 49390001  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: STATE RESPONSE  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 02/24/2016  
File Name: Envirostor Land Use Restrictions

Envirostor ID: 49390001  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: STATE RESPONSE  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 12/14/2005  
File Name: Envirostor Land Use Restrictions

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**X110**      **RINO GAS**      **Notify 65**      **S100179621**  
**North**      **1410 SANTA ROSA AVENUE**      **S100179621**  
**1/2-1**      **SANTA ROSA, CA 93582**      **N/A**  
**0.645 mi.**  
**3407 ft.**      **Site 1 of 2 in cluster X**

**Relative:**      NOTIFY 65:  
**Higher**      Date Reported:      Not reported  
                  Staff Initials:      Not reported  
**Actual:**      Board File Number:      Not reported  
**151 ft.**      Facility Type:      Not reported  
                  Discharge Date:      Not reported  
                  Issue Date:      Not reported  
                  Incident Description:      Not reported

**X111**      **RINO GAS**      **Notify 65**      **S100179623**  
**North**      **1410 SANTA ROSA AVENUE**      **S100179623**  
**1/2-1**      **SANTA ROSA, CA 93582**      **N/A**  
**0.645 mi.**  
**3407 ft.**      **Site 2 of 2 in cluster X**

**Relative:**      NOTIFY 65:  
**Higher**      Date Reported:      Not reported  
                  Staff Initials:      Not reported  
**Actual:**      Board File Number:      Not reported  
**151 ft.**      Facility Type:      Not reported  
                  Discharge Date:      Not reported  
                  Issue Date:      Not reported  
                  Incident Description:      Not reported

**Y112**      **RESIDENCE**      **Notify 65**      **S100453829**  
**NNW**      **1267 CORBY AVE**      **S100453829**  
**1/2-1**      **SANTA ROSA, CA 95407**      **N/A**  
**0.772 mi.**  
**4075 ft.**      **Site 1 of 3 in cluster Y**

**Relative:**      NOTIFY 65:  
**Higher**      Date Reported:      19920729  
                  Staff Initials:      crj  
**Actual:**      Board File Number:      0TZ920002  
**148 ft.**      Facility Type:      misc  
                  Discharge Date:      Not reported  
                  Issue Date:      Not reported  
                  Incident Description:      Water sample results from domestic well indicate 22 ppb  
                                                       dichlorodifluoromethane present.

**Y113**      **RESIDENCE**      **Notify 65**      **S100453866**  
**NNW**      **1267 CORBY AVE**      **S100453866**  
**1/2-1**      **SANTA ROSA, CA 95407**      **N/A**  
**0.772 mi.**  
**4075 ft.**      **Site 2 of 3 in cluster Y**

**Relative:**      NOTIFY 65:  
**Higher**      Date Reported:      Not reported  
                  Staff Initials:      Not reported  
**Actual:**      Board File Number:      Not reported  
**148 ft.**      Facility Type:      Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S100453866**

Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**Y114  
NNW  
1/2-1  
0.772 mi.  
4075 ft.**

**RESIDENCE  
1267 CORBY AVE  
SANTA ROSA, CA 95407  
Site 3 of 3 in cluster Y**

**Notify 65 S100562408  
N/A**

**Relative:  
Higher  
Actual:  
148 ft.**

**NOTIFY 65:**  
Date Reported: 19920729  
Staff Initials: crj  
Board File Number: OTZ920002  
Facility Type: misc  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Water sample results from domestic well indicate 22 ppb dichlorodifluoromethane present.

**115  
NNW  
1/2-1  
0.876 mi.  
4626 ft.**

**SANTA ROSA PLATING WORKS  
80 BARHAM AVE  
SANTA ROSA, CA 95407**

**ENVIROSTOR S105754203  
N/A**

**Relative:  
Lower  
Actual:  
146 ft.**

**ENVIROSTOR:**  
Facility ID: 49340003  
Status: No Further Action  
Status Date: 01/07/2000  
Site Code: Not reported  
Site Type: Evaluation  
Site Type Detailed: Evaluation  
Acres: 0  
NPL: NO  
Regulatory Agencies: NONE SPECIFIED  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported  
Supervisor: Denise Tsuji  
Division Branch: Cleanup Berkeley  
Assembly: 10  
Senate: 02  
Special Program: \* Rural County Survey Program  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.42628  
Longitude: -122.7194  
APN: 037-151-028  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 037-151-028  
Alias Type: APN  
Alias Name: 49340003

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SANTA ROSA PLATING WORKS (Continued)**

**S105754203**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Screening  
 Completed Date: 05/13/1988  
 Comments: SITE SCREENING DONE SIC CODE - FORMERLY LOCATED AT 1465 SANTA ROSA AVENUE

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Discovery  
 Completed Date: 04/20/1988  
 Comments: FACILITY IDENTIFIED IND 1957

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

116  
 West  
 1/2-1  
 0.882 mi.  
 4656 ft.

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION**  
 2641 DUTTON MEADOW  
 SANTA ROSA, CA 95407

**ENVIROSTOR S109548372**  
 SCH N/A

Relative:  
 Lower  
 Actual:  
 121 ft.

ENVIROSTOR:

Facility ID: 60001076  
 Status: Certified  
 Status Date: 06/01/2016  
 Site Code: 204232  
 Site Type: School Cleanup  
 Site Type Detailed: School  
 Acres: 1  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Craig Sanchez  
 Supervisor: Jose Salcedo  
 Division Branch: Northern California Schools & Santa Susana  
 Assembly: 10  
 Senate: 02  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: School District  
 Latitude: 38.41300  
 Longitude: -122.7300  
 APN: 043072007  
 Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA  
 Potential COC: Under Investigation Arsenic Benzene Chlordane DDD DDE DDT Endrin  
 Lead Toxaphene TPH-diesel TPH-gas

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

Confirmed COC: 30001-NO 30003-NO 30004-NO 30024-NO 30025-NO Under Investigation  
30023-NO 30013-NO 30006-NO 30007-NO 30008-NO 30010-NO

Potential Description: SOIL

Alias Name: Meadow View Elementary School Expansion  
Alias Type: Alternate Name

Alias Name: Meadow View Elementary School Extension  
Alias Type: Alternate Name

Alias Name: 043072007  
Alias Type: APN

Alias Name: 204232  
Alias Type: Project Code (Site Code)

Alias Name: 60001076  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: School Cleanup Agreement  
Completed Date: 09/01/2010  
Comments: mailed fully executed SCA to District

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 06/30/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 04/14/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 07/19/2012  
Comments: CRU to close billing for dormant site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 05/08/2009  
Comments: Signed by Perf Mnger 05/8/09

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement Application  
Completed Date: 04/09/2009  
Comments: Received EOA Application and prepared agreement.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/15/2009  
Comments: PM requested a PEA-SSI workplan to complete delineation of the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

contamination identified in the Phase II report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 10/08/2009  
Comments: DTSC approved the PEA workplan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 07/13/2010  
Comments: PM approved the PEA report with a further action determination. See uploaded approval letter.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Community Profile  
Completed Date: 06/24/2010  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 04/15/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 04/15/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 03/03/2011  
Comments: PM received finalized Public Notice (English and Spanish) on 2/23/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 07/08/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan Amendment  
Completed Date: 06/17/2015  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fieldwork  
Completed Date: 07/17/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/01/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: School Cleanup Agreement  
Completed Date: 03/26/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inactive Status Letter  
Completed Date: 05/11/2011  
Comments: PM prepared and processed inactive letter.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Facility ID: 60001076  
Site Type: School Cleanup  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 1  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Craig Sanchez  
Supervisor: Jose Salcedo  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 204232  
Assembly: 10  
Senate: 02  
Special Program Status: Not reported  
Status: Certified  
Status Date: 06/01/2016  
Restricted Use: NO  
Funding: School District  
Latitude: 38.41300



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

Longitude: -122.7300  
APN: 043072007  
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA  
Potential COC: Under Investigation, Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Toxaphene, TPH-diesel, TPH-gas  
Confirmed COC: 30001-NO, 30003-NO, 30004-NO, 30024-NO, 30025-NO, Under Investigation, 30023-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO  
Potential Description: SOIL  
Alias Name: Meadow View Elementary School Expansion  
Alias Type: Alternate Name  
Alias Name: Meadow View Elementary School Extension  
Alias Type: Alternate Name  
Alias Name: 043072007  
Alias Type: APN  
Alias Name: 204232  
Alias Type: Project Code (Site Code)  
Alias Name: 60001076  
Alias Type: Envirostor ID Number  
Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: School Cleanup Agreement  
Completed Date: 09/01/2010  
Comments: mailed fully executed SCA to District  
  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Pre-HARP Form  
Completed Date: 06/30/2015  
Comments: Not reported  
  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: CEQA - Notice of Exemption  
Completed Date: 04/14/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.  
  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 07/19/2012  
Comments: CRU to close billing for dormant site.  
  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 05/08/2009  
Comments: Signed by Perf Mnger 05/8/09  
  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement Application  
Completed Date: 04/09/2009  
Comments: Received EOA Application and prepared agreement.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 05/15/2009  
Comments: PM requested a PEA-SSI workplan to complete delineation of the contamination identified in the Phase II report.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 10/08/2009  
Comments: DTSC approved the PEA workplan.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 07/13/2010  
Comments: PM approved the PEA report with a further action determination. See uploaded approval letter.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Community Profile  
Completed Date: 06/24/2010  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 04/15/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Fact Sheets  
Completed Date: 04/15/2011  
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 03/03/2011  
Comments: PM received finalized Public Notice (English and Spanish) on 2/23/2011.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Work Notice  
Completed Date: 07/08/2015  
Comments: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)**

**S109548372**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Workplan Amendment  
 Completed Date: 06/17/2015  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fieldwork  
 Completed Date: 07/17/2015  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 06/01/2016  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: School Cleanup Agreement  
 Completed Date: 03/26/2015  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Inactive Status Letter  
 Completed Date: 05/11/2011  
 Comments: PM prepared and processed inactive letter.

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

117  
 WNW  
 1/2-1  
 0.890 mi.  
 4698 ft.

**ROSELAND UNIVERSITY PREP CHARTER SCHOOL**  
**1777 WEST AVENUE**  
**SANTA ROSA, CA 95407**

**ENVIROSTOR S105086096**  
**SCH N/A**

**Relative:**  
**Lower**  
**Actual:**  
**133 ft.**

ENVIROSTOR:  
 Facility ID: 60001798  
 Status: No Further Action  
 Status Date: 12/24/2013  
 Site Code: 204253  
 Site Type: School Investigation  
 Site Type Detailed: School  
 Acres: 1.8  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Mellan Songco

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)**

**S105086096**

Supervisor: Jose Salcedo  
Division Branch: Northern California Schools & Santa Susana  
Assembly: 07  
Senate: 02  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: School District  
Latitude: 38.41926  
Longitude: -122.7309  
APN: 125-431-023  
Past Use: AGRICULTURAL - ORCHARD, DAY CARE FACILITY  
Potential COC: Arsenic Chlordane DDD DDE DDT Lead Toxaphene  
Confirmed COC: 30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30013-NO No  
Contaminants found 30023-NO  
Potential Description: NMA, SOIL  
Alias Name: 125-431-023  
Alias Type: APN  
Alias Name: 204253  
Alias Type: Project Code (Site Code)  
Alias Name: 60001798  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/02/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 10/11/2012  
Comments: On October 11, 2012, DTSC conducted a site visit.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 12/24/2012  
Comments: Fully executed EOA sent to the District on Dec 24, 2012.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/22/2013  
Comments: On August 22, 2013, DTSC issued an Agreement Manager Change letter to the District.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 10/19/2012  
Comments: On October 16, 2012, DTSC issued a Phase I disapproval letter with a PEA required determination. The PEA will investigate the site for former agriculture activities (OCPs & arsenic), current structures (lead and OCPs), and pole-mounted transformers (PCBs).

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)**

**S105086096**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 05/20/2013  
Comments: On May 20, 2013, DTSC approved the PEA workplan for implementation.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 11/13/2013  
Comments: On November 13, 2013, DTSC approved the PEA Report with a no further action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 12/20/2013  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Facility ID: 60001798  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 1.8  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Mellan Songco  
Supervisor: Jose Salcedo  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 204253  
Assembly: 07  
Senate: 02  
Special Program Status: Not reported  
Status: No Further Action  
Status Date: 12/24/2013  
Restricted Use: NO  
Funding: School District  
Latitude: 38.41926  
Longitude: -122.7309  
APN: 125-431-023  
Past Use: AGRICULTURAL - ORCHARD, DAY CARE FACILITY  
Potential COC: Arsenic, Arsenic, Chlordane, DDD, DDE, DDT, Lead, Toxaphene  
Confirmed COC: 30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO, No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)**

**S105086096**

Potential Description: Contaminants found, 30023-NO  
Alias Name: NMA, SOIL  
Alias Type: 125-431-023  
Alias Name: APN  
Alias Type: 204253  
Alias Name: Project Code (Site Code)  
Alias Type: 60001798  
Alias Name: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 07/02/2013  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Inspections/Visit (Non LUR)  
Completed Date: 10/11/2012  
Comments: On October 11, 2012, DTSC conducted a site visit.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 12/24/2012  
Comments: Fully executed EOA sent to the District on Dec 24, 2012.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 08/22/2013  
Comments: On August 22, 2013, DTSC issued an Agreement Manager Change letter to the District.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 10/19/2012  
Comments: On October 16, 2012, DTSC issued a Phase I disapproval letter with a PEA required determination. The PEA will investigate the site for former agriculture activities (OCPs & arsenic), current structures (lead and OCPs), and pole-mounted transformers (PCBs).

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Workplan  
Completed Date: 05/20/2013  
Comments: On May 20, 2013, DTSC approved the PEA workplan for implementation.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 11/13/2013  
Comments: On November 13, 2013, DTSC approved the PEA Report with a no further action determination.

Completed Area Name: PROJECT WIDE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)

S105086096

Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 12/20/2013  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

118  
NW  
1/2-1  
0.923 mi.  
4873 ft.

SANTA ROSA CIRCUITS  
35 AND 48 WEST BARHAM AVENUE  
SANTA ROSA, CA 95407

ENVIROSTOR 1000395378  
N/A

Relative:  
Lower  
Actual:  
144 ft.

ENVIROSTOR:  
Facility ID: 49360001  
Status: Refer: RWQCB  
Status Date: 03/25/2008  
Site Code: Not reported  
Site Type: Evaluation  
Site Type Detailed: Evaluation  
Acres: 0.5  
NPL: NO  
Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Karen Toth  
Division Branch: Cleanup Berkeley  
Assembly: 10  
Senate: 02  
Special Program: EPA - PASI  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: EPA Grant  
Latitude: 38.42629  
Longitude: -122.7220  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* OTHER INORGANIC SOLID WASTE  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 49360001  
Alias Type: Envirostor ID Number

Completed Info:  
Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 03/18/1987  
Comments: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SANTA ROSA CIRCUITS (Continued)**

**1000395378**

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Screening  
 Completed Date: 03/25/2008  
 Comments: Soil cleanup was conducted and approved by the the Santa Rosa Fire Department and the North Coast Water Board on March 23 and March 30, 2005 respectively. Soil was contaminated with motor oil and lead. Groundwater results for volatile organic compounds and selected metals were below the Maximum Contaminant Levels (MCLs).

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: \* Discovery  
 Completed Date: 03/18/1987  
 Comments: FACILITY IDENTIFIED INFO ACQUIRED FROM DHS FILES. SITE SCREENING DONE MORE INFO NEEDED TO DETERMINE THE HAZARD POTENTIAL. CONTACT: EILEEN KORTAS FIRE DEPT.,955 SONOMA AVE., SANTA ROSA, CA. (707) 576-5311.

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

**119**  
**West**  
**1/2-1**  
**0.954 mi.**  
**5036 ft.**

**MEADOW VIEW EXPANSION, HEARN AVE. PARCELS**  
**1550 & 1590 HEARN AVENUE**  
**SANTA ROSA, CA 95407**

**ENVIROSTOR** **S115779967**  
**SCH** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**122 ft.**

ENVIROSTOR:  
 Facility ID: 60001963  
 Status: Inactive - Withdrawn  
 Status Date: 04/09/2015  
 Site Code: 204260  
 Site Type: School Investigation  
 Site Type Detailed: School  
 Acres: 6.9  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Jose Salcedo  
 Supervisor: Jose Salcedo  
 Division Branch: Northern California Schools & Santa Susana  
 Assembly: 10  
 Senate: 02  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: School District  
 Latitude: 38.41375  
 Longitude: -122.7309  
 APN: 043072014, 043072015  
 Past Use: AGRICULTURAL - ROW CROPS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOW VIEW EXPANSION, HEARN AVE. PARCELS (Continued)**

**S115779967**

Potential COC: Under Investigation  
Confirmed COC: Under Investigation  
Potential Description: SOIL  
Alias Name: 043072014  
Alias Type: APN  
Alias Name: 043072015  
Alias Type: APN  
Alias Name: 204260  
Alias Type: Project Code (Site Code)  
Alias Name: 60001963  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 01/24/2014  
Comments: EOA signed by UC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 06/18/2014  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

SCH:

Facility ID: 60001963  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 6.9  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Jose Salcedo  
Supervisor: Jose Salcedo  
Division Branch: Northern California Schools & Santa Susana  
Site Code: 204260  
Assembly: 10  
Senate: 02  
Special Program Status: Not reported  
Status: Inactive - Withdrawn  
Status Date: 04/09/2015  
Restricted Use: NO  
Funding: School District

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEADOW VIEW EXPANSION, HEARN AVE. PARCELS (Continued)**

**S115779967**

Latitude: 38.41375  
Longitude: -122.7309  
APN: 043072014, 043072015  
Past Use: AGRICULTURAL - ROW CROPS  
Potential COC: Under Investigation  
Confirmed COC: Under Investigation  
Potential Description: SOIL  
Alias Name: 043072014  
Alias Type: APN  
Alias Name: 043072015  
Alias Type: APN  
Alias Name: 204260  
Alias Type: Project Code (Site Code)  
Alias Name: 60001963  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 01/24/2014  
Comments: EOA signed by UC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Amendment - Order/Agreement  
Completed Date: 06/18/2014  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

120  
North  
1/2-1  
0.960 mi.  
5067 ft.

**TORVICK INC**  
**1015 SANTA ROSA AVE**  
**SANTA ROSA, CA 95407**

Relative:  
Higher

Actual:  
156 ft.

RCRA-SQG:  
Date form received by agency: 09/01/1996  
Facility name: TORVICK INC  
Facility address: 1015 SANTA ROSA AVE  
SANTA ROSA, CA 95407  
EPA ID: CAD982012114  
Mailing address: SANTA ROSA AVE  
SANTA ROSA, CA 95407  
Contact: Not reported  
Contact address: Not reported  
Not reported

RCRA-SQG 1000432904  
LUST CAD982012114  
FINDS  
ECHO  
HAZNET  
HIST CORTESE  
Notify 65

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TORVICK INC (Continued)**

**1000432904**

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: ROBERT C TORVICK  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TORVICK INC (Continued)**

**1000432904**

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700600](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700600)  
Global Id: T0609700600  
Latitude: 38.42854  
Longitude: -122.713069  
Status: Completed - Case Closed  
Status Date: 07/29/1998  
Case Worker: ZZZ  
RB Case Number: 1TSR087  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

LUST:

Global Id: T0609700600  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500  
  
Global Id: T0609700600  
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

LUST:

Global Id: T0609700600  
Action Type: Other  
Date: 02/07/1989  
Action: Leak Discovery  
  
Global Id: T0609700600  
Action Type: ENFORCEMENT  
Date: 02/27/1989  
Action: \* Historical Enforcement  
  
Global Id: T0609700600  
Action Type: Other  
Date: 02/07/1989  
Action: Leak Reported  
  
Global Id: T0609700600  
Action Type: Other  
Date: 02/07/1989  
Action: Leak Stopped

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TORVICK INC (Continued)**

**1000432904**

LUST:

|              |                                |
|--------------|--------------------------------|
| Global Id:   | T0609700600                    |
| Status:      | Open - Case Begin Date         |
| Status Date: | 02/07/1989                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 07/24/1989                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 12/07/1989                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 01/17/1990                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Site Assessment         |
| Status Date: | 03/06/1996                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Remediation             |
| Status Date: | 07/28/1998                     |
| Global Id:   | T0609700600                    |
| Status:      | Open - Verification Monitoring |
| Status Date: | 07/28/1998                     |
| Global Id:   | T0609700600                    |
| Status:      | Completed - Case Closed        |
| Status Date: | 07/29/1998                     |

LUST REG 1:

|                 |         |
|-----------------|---------|
| Region:         | 1       |
| Facility ID:    | 1TSR087 |
| Staff Initials: | Closed  |

FINDS:

Registry ID: 110055666186

Environmental Interest/Information System  
STATE MASTER

Registry ID: 110002775989

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TORVICK INC (Continued)**

**1000432904**

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000432904  
Registry ID: 110002775989  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002775989>

HAZNET:

envid: 1000432904  
Year: 1993  
GEPaid: CAD982012114  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1015 SANTA ROSA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954070000  
Gen County: Not reported  
TSD EPA ID: CAD083166728  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Tons: 8.34000000000  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

envid: 1000432904  
Year: 1993  
GEPaid: CAD982012114  
Contact: Not reported  
Telephone: 0000000000  
Mailing Name: Not reported  
Mailing Address: 1015 SANTA ROSA AVE  
Mailing City,St,Zip: SANTA ROSA, CA 954070000  
Gen County: Not reported  
TSD EPA ID: CAD009452657  
TSD County: Not reported  
Waste Category: Unspecified organic liquid mixture  
Disposal Method: Recycler  
Tons: 1.0425  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR087

NOTIFY 65:

Date Reported: Not reported  
Staff Initials: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TORVICK INC (Continued)**

1000432904

Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

121  
North  
1/2-1  
0.988 mi.  
5217 ft.  
Relative:  
Higher  
Actual:  
158 ft.

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK**  
**965 SANTA ROSA AVE**  
**SANTA ROSA, CA 95404**

**RCRA-SQG**  
**LUST**  
**SWEEPS UST**  
**HIST UST**  
**CA FID UST**  
**FINDS**  
**HIST CORTESE**  
**Notify 65**

1000220394  
CAD981659527

RCRA-SQG:

Date form received by agency: 02/14/2005  
Facility name: SONNEN MOTORCARS  
Facility address: 965 SANTA ROSA AVE  
SANTA ROSA, CA 95054  
EPA ID: CAD981659527  
Mailing address: 740 W FRANCISCO BLVD  
SAN RAFAEL, CA 94901  
Contact: JOJI PULIDO  
Contact address: 740 W FRANCISCO BLVD  
SAN RAFAEL, CA 94901  
Contact country: US  
Contact telephone: 415-460-4114  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHARLES NILES  
Owner/operator address: PO BOX 2348  
SANTA ROSA, CA 95405  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/20/1993  
Owner/Op end date: Not reported  
Owner/operator name: PETER SONNEN  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 02/01/2005  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D008  
. Waste name: LEAD

. Waste code: F001  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:  
TETRACHLOROETHYLENE, TRICHTHLORETHYLENE, METHYLENE CHLORIDE,  
1,1,1-TRICHTHLORETHANE, CARBON TETRACHLORIDE AND CHLORINATED  
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING  
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF  
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED  
IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE  
SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 11/27/1996  
Site name: ZUMWALT MAGRINI CHEV PLYM JEEP  
Classification: Small Quantity Generator

Violation Status: No violations found

LUST:

Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700582](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700582)  
Global Id: T0609700582  
Latitude: 38.42903  
Longitude: -122.712913  
Status: Completed - Case Closed  
Status Date: 08/26/1997  
Case Worker: ZZZ



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

RB Case Number: 1TSR060  
Local Agency: SANTA ROSA, CITY OF  
File Location: Not reported  
Local Case Number: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609700582  
Contact Type: Local Agency Caseworker  
Contact Name: LOCAL PERMIT WORKER SANTA ROSA  
Organization Name: SANTA ROSA, CITY OF  
Address: 625 5th Street  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075433500

Global Id: T0609700582  
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

LUST:

Global Id: T0609700582  
Action Type: Other  
Date: 07/27/1988  
Action: Leak Discovery

Global Id: T0609700582  
Action Type: ENFORCEMENT  
Date: 08/26/1997  
Action: \* Historical Enforcement

Global Id: T0609700582  
Action Type: Other  
Date: 07/27/1988  
Action: Leak Reported

Global Id: T0609700582  
Action Type: Other  
Date: 07/27/1988  
Action: Leak Stopped

LUST:

Global Id: T0609700582  
Status: Open - Case Begin Date  
Status Date: 07/27/1988

Global Id: T0609700582  
Status: Open - Site Assessment  
Status Date: 08/03/1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

Global Id: T0609700582  
Status: Open - Site Assessment  
Status Date: 07/07/1989

Global Id: T0609700582  
Status: Open - Site Assessment  
Status Date: 07/27/1989

Global Id: T0609700582  
Status: Open - Site Assessment  
Status Date: 01/02/1990

Global Id: T0609700582  
Status: Open - Remediation  
Status Date: 08/25/1997

Global Id: T0609700582  
Status: Open - Verification Monitoring  
Status Date: 08/25/1997

Global Id: T0609700582  
Status: Completed - Case Closed  
Status Date: 08/26/1997

**LUST REG 1:**

Region: 1  
Facility ID: 1TSR060  
Staff Initials: Closed

**SWEEPS UST:**

Status: Active  
Comp Number: 51801  
Number: 9  
Board Of Equalization: 44-028317  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 1  
SWRCB Tank Id: 49-060-051801-000001  
Tank Status: A  
Capacity: 575  
Active Date: 07-01-85  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Active  
Comp Number: 51801  
Number: 9  
Board Of Equalization: 44-028317  
Referral Date: 07-01-85  
Action Date: Not reported  
Created Date: 02-29-88  
Owner Tank Id: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

SWRCB Tank Id: 49-060-051801-000002  
Tank Status: A  
Capacity: 500  
Active Date: 07-01-85  
Tank Use: OIL  
STG: W  
Content: WASTE OIL  
Number Of Tanks: Not reported

**HIST UST:**

File Number: 00021C49  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021C49.pdf>  
Region: STATE  
Facility ID: 00000051801  
Facility Type: Other  
Other Type: CAR DEALER  
Contact Name: CHARLES P. NILES  
Telephone: 7075458252  
Owner Name: NILES AUTOMOBILE CO.  
Owner Address: 965 SANTA ROSA AVE.  
Owner City,St,Zip: SANTA ROSA, CA 95404  
Total Tanks: 0004

Tank Num: 001  
Container Num: 01  
Year Installed: Not reported  
Tank Capacity: 00000575  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 001  
Container Num: 01  
Year Installed: Not reported  
Tank Capacity: 00000575  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 02  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 02  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: WASTE  
Type of Fuel: WASTE OIL  
Container Construction Thickness: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

Leak Detection: Visual, Stock Inventor

Tank Num: 003  
Container Num: 03  
Year Installed: 1946  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 003  
Container Num: 03  
Year Installed: 1946  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 004  
Container Num: 04  
Year Installed: 1946  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Visual

Tank Num: 004  
Container Num: 04  
Year Installed: 1946  
Tank Capacity: 00000000  
Tank Used for: WASTE  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

**CA FID UST:**

Facility ID: 49000185  
Regulated By: UTNKA  
Regulated ID: 00051801  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 7075458252  
Mail To: Not reported  
Mailing Address: 965 SANTA ROSA AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: SANTA ROSA 95404  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DIBBLES AUTO CENTER LLC DBA DIBBLES COLLISION WORK (Continued)**

**1000220394**

Status: Active

**FINDS:**

Registry ID: 110055668219

Environmental Interest/Information System  
AIR EMISSIONS CLASSIFICATION UNKNOWN

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSR060

**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: 6 records.

ORPHAN SUMMARY

| City       | EDR ID     | Site Name                          | Site Address              | Zip   | Database(s) |
|------------|------------|------------------------------------|---------------------------|-------|-------------|
| SANTA ROSA | S102429807 | FAST & EASY MART                   | REDWOOD HIGHWAY, OLD 5321 |       | LUST        |
| SANTA ROSA | S104163195 | STEVENSON EQUIPMENT                | REDWOOD HIGHWAY, OLD 3975 |       | LUST        |
| SANTA ROSA | S104857588 | SCDOT/DPW SANTA ROSA AVE STMWTR DR | SANTA ROSA AVENUE         | 95404 | SLIC        |
| SANTA ROSA | S101316147 | SANTA ROSA DPW SEWER-SANTA ROSA AV | SANTA ROSA AVENUE         | 95404 | SLIC        |
| SANTA ROSA | S101433003 | SANTA ROSA CITY - SANTA ROSA AVENU | SANTA ROSA AVENUE         | 95404 | SLIC        |
| SANTA ROSA | S105181110 | SIEMER'S NURSERY (FORMER)          | TRACY AVE/WIDGEON COURT   | 0     | SLIC        |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

|   |  |
|---|--|
| Date of Government Version: 12/11/2017  | Source: EPA                            |
| Date Data Arrived at EDR: 12/22/2017    | Telephone: N/A                         |
| Date Made Active in Reports: 01/05/2018 | Last EDR Contact: 04/06/2018           |
| Number of Days to Update: 14            | Next Scheduled EDR Contact: 07/16/2018 |
|   | Data Release Frequency: Quarterly      |

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

|   |  |
|---|--|
| Date of Government Version: 12/11/2017  | Source: EPA                            |
| Date Data Arrived at EDR: 12/22/2017    | Telephone: N/A                         |
| Date Made Active in Reports: 01/05/2018 | Last EDR Contact: 04/06/2018           |
| Number of Days to Update: 14            | Next Scheduled EDR Contact: 07/16/2018 |
|   | Data Release Frequency: Quarterly      |

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

|   |   |
|---|---|
| Date of Government Version: 10/15/1991  | Source: EPA                               |
| Date Data Arrived at EDR: 02/02/1994    | Telephone: 202-564-4267                   |
| Date Made Active in Reports: 03/30/1994 | Last EDR Contact: 08/15/2011              |
| Number of Days to Update: 56            | Next Scheduled EDR Contact: 11/28/2011    |
|   | Data Release Frequency: No Update Planned |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

|   |  |
|---|--|
| Date of Government Version: 12/11/2017  | Source: EPA                            |
| Date Data Arrived at EDR: 12/22/2017    | Telephone: N/A                         |
| Date Made Active in Reports: 01/05/2018 | Last EDR Contact: 04/06/2018           |
| Number of Days to Update: 14            | Next Scheduled EDR Contact: 07/16/2018 |
|   | Data Release Frequency: Quarterly      |

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

|   |   |
|---|---|
| Date of Government Version: 11/07/2016  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/05/2017    | Telephone: 703-603-8704                 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 04/06/2018            |
| Number of Days to Update: 92            | Next Scheduled EDR Contact: 07/16/2018  |
|   | Data Release Frequency: Varies          |

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

|   |  |
|---|--|
| Date of Government Version: 01/09/2018  | Source: EPA                            |
| Date Data Arrived at EDR: 02/06/2018    | Telephone: 800-424-9346                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 02/06/2018           |
| Number of Days to Update: 66            | Next Scheduled EDR Contact: 04/30/2018 |
|   | Data Release Frequency: Quarterly      |

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

|   |  |
|---|--|
| Date of Government Version: 01/09/2018  | Source: EPA                            |
| Date Data Arrived at EDR: 02/06/2018    | Telephone: 800-424-9346                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 02/06/2018           |
| Number of Days to Update: 66            | Next Scheduled EDR Contact: 04/30/2018 |
|   | Data Release Frequency: Quarterly      |

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

|   |  |
|---|--|
| Date of Government Version: 12/11/2017  | Source: EPA                            |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: 800-424-9346                |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018           |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018 |
|   | Data Release Frequency: Quarterly      |

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

|   |   |
|---|---|
| Date of Government Version: 12/11/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: (415) 495-8895               |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018            |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018  |
|   | Data Release Frequency: Quarterly       |

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

|   |   |
|---|---|
| Date of Government Version: 12/11/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: (415) 495-8895               |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018            |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018  |
|   | Data Release Frequency: Quarterly       |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

|   |   |
|---|---|
| Date of Government Version: 12/11/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: (415) 495-8895               |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018            |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018  |
|   | Data Release Frequency: Quarterly       |

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

|   |   |
|---|---|
| Date of Government Version: 12/11/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: (415) 495-8895               |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018            |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018  |
|   | Data Release Frequency: Quarterly       |

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

|   |  |
|---|--|
| Date of Government Version: 05/22/2017  | Source: Department of the Navy         |
| Date Data Arrived at EDR: 06/13/2017    | Telephone: 843-820-7326                |
| Date Made Active in Reports: 09/15/2017 | Last EDR Contact: 02/09/2018           |
| Number of Days to Update: 94            | Next Scheduled EDR Contact: 05/28/2018 |
|   | Data Release Frequency: Varies         |

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

|   |   |
|---|---|
| Date of Government Version: 11/13/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/27/2017    | Telephone: 703-603-0695                 |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 02/27/2018            |
| Number of Days to Update: 74            | Next Scheduled EDR Contact: 06/11/2018  |
|   | Data Release Frequency: Varies          |

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

|   |   |
|---|---|
| Date of Government Version: 11/13/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/27/2017    | Telephone: 703-603-0695                 |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 02/27/2018            |
| Number of Days to Update: 74            | Next Scheduled EDR Contact: 06/11/2018  |
|   | Data Release Frequency: Varies          |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018  
Date Data Arrived at EDR: 01/19/2018  
Date Made Active in Reports: 03/23/2018  
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 03/27/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

## **State- and tribal - equivalent NPL**

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018  
Date Data Arrived at EDR: 01/31/2018  
Date Made Active in Reports: 03/19/2018  
Number of Days to Update: 47

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Quarterly

## **State- and tribal - equivalent CERCLIS**

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018  
Date Data Arrived at EDR: 01/31/2018  
Date Made Active in Reports: 03/19/2018  
Number of Days to Update: 47

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Quarterly

## **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018  
Date Data Arrived at EDR: 02/14/2018  
Date Made Active in Reports: 04/03/2018  
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 02/14/2018  
Next Scheduled EDR Contact: 05/28/2018  
Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## LUST REG 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018  
Date Data Arrived at EDR: 03/14/2018  
Date Made Active in Reports: 03/21/2018  
Number of Days to Update: 7

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Quarterly

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Varies

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/24/2017  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 04/13/2018  
Number of Days to Update: 80

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/23/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## 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: 09/30/2017  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 04/13/2018  
Number of Days to Update: 80

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 01/23/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/12/2017  | Source: EPA Region 8                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 303-312-6271                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

|   |  |
|---|--|
| Date of Government Version: 10/12/2017  | Source: EPA Region 7                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 913-551-7003                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

|   |  |
|---|--|
| Date of Government Version: 01/06/2018  | Source: EPA Region 6                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 214-665-6597                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

|   |  |
|---|--|
| Date of Government Version: 10/14/2017  | Source: EPA Region 1                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 617-918-1313                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

|   |  |
|---|--|
| Date of Government Version: 10/14/2017  | Source: EPA Region 4                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 404-562-8677                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/19/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

|   |  |
|---|--|
| Date of Government Version: 10/16/2017  | Source: EPA, Region 5                  |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 312-886-7439                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

|   |   |
|---|---|
| Date of Government Version: 03/12/2018  | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 03/14/2018    | Telephone: 866-480-1028                     |
| Date Made Active in Reports: 03/21/2018 | Last EDR Contact: 12/12/2018                |
| Number of Days to Update: 7             | Next Scheduled EDR Contact: 06/25/2018      |
|   | Data Release Frequency: Varies              |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 10/13/2017  
Number of Days to Update: 136

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/13/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Varies

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018  
Date Data Arrived at EDR: 03/14/2018  
Date Made Active in Reports: 03/29/2018  
Number of Days to Update: 15

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Semi-Annually



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

|   |  |
|---|--|
| Date of Government Version: 07/06/2016  | Source: California Environmental Protection Agency |
| Date Data Arrived at EDR: 07/12/2016    | Telephone: 916-327-5092                            |
| Date Made Active in Reports: 09/19/2016 | Last EDR Contact: 03/21/2018                       |
| Number of Days to Update: 69            | Next Scheduled EDR Contact: 07/09/2018             |
|   | Data Release Frequency: Quarterly                  |

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

|   |  |
|---|--|
| Date of Government Version: 10/24/2017  | Source: EPA Region 10                  |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 206-553-2857                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

|   |  |
|---|--|
| Date of Government Version: 09/30/2017  | Source: EPA Region 9                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 415-972-3368                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

|   |  |
|---|--|
| Date of Government Version: 10/12/2017  | Source: EPA Region 8                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 303-312-6137                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

|   |  |
|---|--|
| Date of Government Version: 01/13/2018  | Source: EPA Region 7                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 913-551-7003                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

|   |  |
|---|--|
| Date of Government Version: 04/24/2017  | Source: EPA Region 6                   |
| Date Data Arrived at EDR: 07/27/2017    | Telephone: 214-665-7591                |
| Date Made Active in Reports: 12/08/2017 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 134           | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/16/2017  | Source: EPA Region 5                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 312-886-6136                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

|   |  |
|---|--|
| Date of Government Version: 10/14/2017  | Source: EPA, Region 1                  |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 617-918-1313                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/23/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

|   |  |
|---|--|
| Date of Government Version: 10/14/2017  | Source: EPA Region 4                   |
| Date Data Arrived at EDR: 01/23/2018    | Telephone: 404-562-9424                |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 01/19/2018           |
| Number of Days to Update: 80            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Varies         |

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

|   |  |
|---|--|
| Date of Government Version: 03/20/2008  | Source: EPA, Region 7                  |
| Date Data Arrived at EDR: 04/22/2008    | Telephone: 913-551-7365                |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 04/20/2009           |
| Number of Days to Update: 27            | 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  | Source: EPA, Region 1                  |
| Date Data Arrived at EDR: 09/29/2015    | Telephone: 617-918-1102                |
| Date Made Active in Reports: 02/18/2016 | Last EDR Contact: 03/21/2018           |
| Number of Days to Update: 142           | Next Scheduled EDR Contact: 07/09/2018 |
|   | Data Release Frequency: Varies         |

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

|   |  |
|---|--|
| Date of Government Version: 01/30/2018  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 01/31/2018    | Telephone: 916-323-3400                        |
| Date Made Active in Reports: 03/19/2018 | Last EDR Contact: 01/31/2018                   |
| Number of Days to Update: 47            | Next Scheduled EDR Contact: 05/14/2018         |
|   | Data Release Frequency: Quarterly              |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal Brownfields sites***

### **BROWNFIELDS: Considered Brownfields Sites Listing**

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/22/2017  
Date Data Arrived at EDR: 12/26/2017  
Date Made Active in Reports: 01/31/2018  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 03/27/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018  
Date Data Arrived at EDR: 01/19/2018  
Date Made Active in Reports: 02/09/2018  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/21/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### **WMUDS/SWAT: Waste Management Unit Database**

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: No Update Planned

#### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Quarterly

#### **HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/08/2018  
Date Data Arrived at EDR: 02/09/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 39

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/09/2018  
Next Scheduled EDR Contact: 02/26/2018  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 01/30/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
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: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: No Update Planned

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
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

## 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 Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 02/02/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 02/09/2018  
Number of Days to Update: 16

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/27/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: No Update Planned

### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/30/2018  
Date Data Arrived at EDR: 01/31/2018  
Date Made Active in Reports: 03/19/2018  
Number of Days to Update: 47

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Quarterly

## CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 08/18/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 34

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Varies

## TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/09/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 02/09/2018  
Number of Days to Update: 16

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 02/27/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: Quarterly

## **Local Lists of Registered Storage Tanks**

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/28/2018  
Date Data Arrived at EDR: 03/01/2018  
Date Made Active in Reports: 03/28/2018  
Number of Days to Update: 27

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 02/22/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: Annually

## HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## 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: 11/30/2017  
Date Data Arrived at EDR: 12/01/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 41

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/22/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 02/06/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

|   |  |
|---|--|
| Date of Government Version: 02/08/2018  | Source: DTSC and SWRCB                 |
| Date Data Arrived at EDR: 02/08/2018    | Telephone: 916-323-3400                |
| Date Made Active in Reports: 02/08/2018 | Last EDR Contact: 03/06/2018           |
| Number of Days to Update: 0             | Next Scheduled EDR Contact: 06/18/2018 |
|   | Data Release Frequency: Semi-Annually  |

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

|   |   |
|---|---|
| Date of Government Version: 01/19/2018  | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 01/19/2018    | Telephone: 202-366-4555                   |
| Date Made Active in Reports: 03/23/2018 | Last EDR Contact: 03/27/2018              |
| Number of Days to Update: 63            | Next Scheduled EDR Contact: 07/09/2018    |
|   | Data Release Frequency: Quarterly         |

### **CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

|   |  |
|---|--|
| Date of Government Version: 02/15/2018  | Source: Office of Emergency Services   |
| Date Data Arrived at EDR: 02/20/2018    | Telephone: 916-845-8400                |
| Date Made Active in Reports: 04/03/2018 | Last EDR Contact: 02/20/2018           |
| Number of Days to Update: 42            | Next Scheduled EDR Contact: 05/07/2018 |
|   | Data Release Frequency: Semi-Annually  |

### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

|   |   |
|---|---|
| Date of Government Version: 03/12/2018  | Source: State Water Quality Control Board |
| Date Data Arrived at EDR: 03/14/2018    | Telephone: 866-480-1028                   |
| Date Made Active in Reports: 03/21/2018 | Last EDR Contact: 12/12/2018              |
| Number of Days to Update: 7             | Next Scheduled EDR Contact: 06/25/2018    |
|   | Data Release Frequency: Quarterly         |

### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

|   |   |
|---|---|
| Date of Government Version: 03/12/2018  | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 03/14/2018    | Telephone: 866-480-1028                     |
| Date Made Active in Reports: 03/21/2018 | Last EDR Contact: 12/12/2018                |
| Number of Days to Update: 7             | Next Scheduled EDR Contact: 06/25/2018      |
|   | Data Release Frequency: Quarterly           |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

|   |   |
|---|---|
| Date of Government Version: 06/06/2012  | Source: FirstSearch                       |
| Date Data Arrived at EDR: 01/03/2013    | Telephone: N/A                            |
| Date Made Active in Reports: 02/22/2013 | Last EDR Contact: 01/03/2013              |
| Number of Days to Update: 50            | Next Scheduled EDR Contact: N/A           |
|   | Data Release Frequency: No Update Planned |

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

|   |   |
|---|---|
| Date of Government Version: 12/11/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/26/2017    | Telephone: (415) 495-8895               |
| Date Made Active in Reports: 02/09/2018 | Last EDR Contact: 03/28/2018            |
| Number of Days to Update: 45            | Next Scheduled EDR Contact: 07/09/2018  |
|   | Data Release Frequency: Quarterly       |

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

|   |  |
|---|--|
| Date of Government Version: 01/31/2015  | Source: U.S. Army Corps of Engineers   |
| Date Data Arrived at EDR: 07/08/2015    | Telephone: 202-528-4285                |
| Date Made Active in Reports: 10/13/2015 | Last EDR Contact: 02/21/2018           |
| Number of Days to Update: 97            | Next Scheduled EDR Contact: 06/04/2018 |
|   | Data Release Frequency: Varies         |

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

|   |  |
|---|--|
| Date of Government Version: 12/31/2005  | Source: USGS                           |
| Date Data Arrived at EDR: 11/10/2006    | Telephone: 888-275-8747                |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 04/13/2018           |
| Number of Days to Update: 62            | Next Scheduled EDR Contact: 07/23/2018 |
|   | Data Release Frequency: Semi-Annually  |

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

|   |  |
|---|--|
| Date of Government Version: 12/31/2005  | Source: U.S. Geological Survey         |
| Date Data Arrived at EDR: 02/06/2006    | Telephone: 888-275-8747                |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 04/11/2018           |
| Number of Days to Update: 339           | Next Scheduled EDR Contact: 07/23/2018 |
|   | Data Release Frequency: N/A            |

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 02/16/2018  
Next Scheduled EDR Contact: 05/28/2018  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018  
Date Data Arrived at EDR: 01/19/2018  
Date Made Active in Reports: 03/02/2018  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/27/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 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: 02/08/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/23/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 01/10/2018  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 2

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/23/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/09/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/22/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 21

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/09/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/08/2017  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

|   |  |
|---|--|
| Date of Government Version: 10/25/2013  | Source: EPA                            |
| Date Data Arrived at EDR: 10/17/2014    | Telephone: 202-564-6023                |
| Date Made Active in Reports: 10/20/2014 | Last EDR Contact: 02/06/2018           |
| Number of Days to Update: 3             | Next Scheduled EDR Contact: 05/21/2018 |
|   | Data Release Frequency: Quarterly      |

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

|   |  |
|---|--|
| Date of Government Version: 06/01/2017  | Source: EPA                            |
| Date Data Arrived at EDR: 06/09/2017    | Telephone: 202-566-0500                |
| Date Made Active in Reports: 10/13/2017 | Last EDR Contact: 04/13/2018           |
| Number of Days to Update: 126           | Next Scheduled EDR Contact: 07/23/2018 |
|   | Data Release Frequency: Annually       |

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

|   |   |
|---|---|
| Date of Government Version: 11/18/2016  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/23/2016    | Telephone: 202-564-2501                 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 04/09/2018            |
| Number of Days to Update: 79            | Next Scheduled EDR Contact: 07/23/2018  |
|   | Data Release Frequency: Quarterly       |

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

|   |   |
|---|---|
| Date of Government Version: 04/09/2009  | Source: EPA/Office of Prevention, Pesticides and Toxic Substances |
| Date Data Arrived at EDR: 04/16/2009    | Telephone: 202-566-1667   |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017                                      |
| Number of Days to Update: 25            | Next Scheduled EDR Contact: 12/04/2017                            |
|   | Data Release Frequency: Quarterly                                 |

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

|   |  |
|---|--|
| Date of Government Version: 04/09/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 04/16/2009    | Telephone: 202-566-1667                |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017           |
| Number of Days to Update: 25            | Next Scheduled EDR Contact: 12/04/2017 |
|   | Data Release Frequency: Quarterly      |

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

|   |  |
|---|--|
| Date of Government Version: 08/30/2016  | Source: Nuclear Regulatory Commission  |
| Date Data Arrived at EDR: 09/08/2016    | Telephone: 301-415-7169                |
| Date Made Active in Reports: 10/21/2016 | Last EDR Contact: 01/19/2018           |
| Number of Days to Update: 43            | Next Scheduled EDR Contact: 05/21/2018 |
|   | Data Release Frequency: Quarterly      |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

|   |  |
|---|--|
| Date of Government Version: 12/31/2005  | Source: Department of Energy           |
| Date Data Arrived at EDR: 08/07/2009    | Telephone: 202-586-8719                |
| Date Made Active in Reports: 10/22/2009 | Last EDR Contact: 03/09/2018           |
| Number of Days to Update: 76            | Next Scheduled EDR Contact: 06/18/2018 |
|   | Data Release Frequency: Varies         |

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

|   |   |
|---|---|
| Date of Government Version: 07/01/2014  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 09/10/2014    | Telephone: N/A                          |
| Date Made Active in Reports: 10/20/2014 | Last EDR Contact: 03/06/2018            |
| Number of Days to Update: 40            | Next Scheduled EDR Contact: 06/18/2018  |
|   | Data Release Frequency: Varies          |

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

|   |   |
|---|---|
| Date of Government Version: 05/24/2017  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/30/2017    | Telephone: 202-566-0517                 |
| Date Made Active in Reports: 12/15/2017 | Last EDR Contact: 01/26/2018            |
| Number of Days to Update: 15            | Next Scheduled EDR Contact: 05/07/2018  |
|   | Data Release Frequency: Varies          |

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

|   |   |
|---|---|
| Date of Government Version: 01/03/2018  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/04/2018    | Telephone: 202-343-9775                 |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 04/05/2018            |
| Number of Days to Update: 99            | Next Scheduled EDR Contact: 07/16/2018  |
|   | Data Release Frequency: Quarterly       |

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

|   |   |
|---|---|
| Date of Government Version: 10/19/2006  | Source: Environmental Protection Agency   |
| Date Data Arrived at EDR: 03/01/2007    | Telephone: 202-564-2501                   |
| Date Made Active in Reports: 04/10/2007 | Last EDR Contact: 12/17/2007              |
| Number of Days to Update: 40            | Next Scheduled EDR Contact: 03/17/2008    |
|   | Data Release Frequency: No Update Planned |

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 04/13/2018  
Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 04/06/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/23/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/11/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/17/2017  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 01/19/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 02/23/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018  
Date Data Arrived at EDR: 02/06/2018  
Date Made Active in Reports: 03/02/2018  
Number of Days to Update: 24

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/06/2018  
Next Scheduled EDR Contact: 07/16/2018  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/29/2017  
Date Data Arrived at EDR: 11/28/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

|   |  |
|---|--|
| Date of Government Version: 12/05/2005  | Source: USGS                           |
| Date Data Arrived at EDR: 02/29/2008    | Telephone: 703-648-7709                |
| Date Made Active in Reports: 04/18/2008 | Last EDR Contact: 03/02/2018           |
| Number of Days to Update: 49            | Next Scheduled EDR Contact: 06/11/2018 |
|   | Data Release Frequency: Varies         |

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

|   |  |
|---|--|
| Date of Government Version: 04/14/2011  | Source: USGS                           |
| Date Data Arrived at EDR: 06/08/2011    | Telephone: 703-648-7709                |
| Date Made Active in Reports: 09/13/2011 | Last EDR Contact: 03/02/2018           |
| Number of Days to Update: 97            | Next Scheduled EDR Contact: 06/11/2018 |
|   | 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: 12/20/2017  | Source: Department of Interior         |
| Date Data Arrived at EDR: 12/21/2017    | Telephone: 202-208-2609                |
| Date Made Active in Reports: 03/23/2018 | Last EDR Contact: 03/07/2018           |
| Number of Days to Update: 92            | Next Scheduled EDR Contact: 06/25/2018 |
|   | Data Release Frequency: Quarterly      |

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

|   |  |
|---|--|
| Date of Government Version: 02/21/2018  | Source: EPA                            |
| Date Data Arrived at EDR: 02/23/2018    | Telephone: (415) 947-8000              |
| Date Made Active in Reports: 03/23/2018 | Last EDR Contact: 02/23/2018           |
| Number of Days to Update: 28            | Next Scheduled EDR Contact: 06/18/2018 |
|   | Data Release Frequency: Quarterly      |

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

|   |  |
|---|--|
| Date of Government Version: 09/30/2016  | Source: Department of Defense          |
| Date Data Arrived at EDR: 10/31/2017    | Telephone: 703-704-1564                |
| Date Made Active in Reports: 01/12/2018 | Last EDR Contact: 04/13/2018           |
| Number of Days to Update: 73            | Next Scheduled EDR Contact: 07/30/2018 |
|   | Data Release Frequency: Varies         |

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

|   |   |
|---|---|
| Date of Government Version: 01/04/2018  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/19/2018    | Telephone: 202-564-0527                 |
| Date Made Active in Reports: 04/13/2018 | Last EDR Contact: 03/02/2018            |
| Number of Days to Update: 84            | Next Scheduled EDR Contact: 06/11/2018  |
|   | Data Release Frequency: Varies          |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

|   |   |
|---|---|
| Date of Government Version: 01/13/2018  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/19/2018    | Telephone: 202-564-2280                 |
| Date Made Active in Reports: 03/02/2018 | Last EDR Contact: 03/07/2018            |
| Number of Days to Update: 42            | Next Scheduled EDR Contact: 06/18/2018  |
|   | 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: 02/20/2018  | Source: EPA                            |
| Date Data Arrived at EDR: 02/21/2018    | Telephone: 800-385-6164                |
| Date Made Active in Reports: 03/23/2018 | Last EDR Contact: 02/21/2018           |
| Number of Days to Update: 30            | Next Scheduled EDR Contact: 06/04/2018 |
|   | Data Release Frequency: Quarterly      |

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

|   |   |
|---|---|
| Date of Government Version: 01/01/1989  | Source: Department of Health Services     |
| Date Data Arrived at EDR: 07/27/1994    | Telephone: 916-255-2118                   |
| Date Made Active in Reports: 08/02/1994 | Last EDR Contact: 05/31/1994              |
| Number of Days to Update: 6             | 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: 02/08/2018  | Source: CAL EPA/Office of Emergency Information |
| Date Data Arrived at EDR: 02/08/2018    | Telephone: 916-323-3400                         |
| Date Made Active in Reports: 02/08/2018 | Last EDR Contact: 03/27/2018                    |
| Number of Days to Update: 0             | Next Scheduled EDR Contact: 07/09/2018          |
|   | 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: 12/01/2017  | Source: Department of Toxic Substance Control |
| Date Data Arrived at EDR: 02/02/2018    | Telephone: 916-327-4498                       |
| Date Made Active in Reports: 03/16/2018 | Last EDR Contact: 02/28/2018                  |
| Number of Days to Update: 42            | Next Scheduled EDR Contact: 06/18/2018        |
|   | Data Release Frequency: Annually              |

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

|   |  |
|---|--|
| Date of Government Version: 12/31/2015  | Source: California Air Resources Board |
| Date Data Arrived at EDR: 03/21/2017    | Telephone: 916-322-2990                |
| Date Made Active in Reports: 08/15/2017 | Last EDR Contact: 03/23/2018           |
| Number of Days to Update: 147           | Next Scheduled EDR Contact: 07/02/2018 |
|   | Data Release Frequency: Varies         |



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

|   |   |
|---|---|
| Date of Government Version: 01/22/2018  | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 01/24/2018    | Telephone: 916-445-9379                     |
| Date Made Active in Reports: 03/19/2018 | Last EDR Contact: 01/22/2018                |
| Number of Days to Update: 54            | Next Scheduled EDR Contact: 05/07/2018      |
|   | Data Release Frequency: Varies              |

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

|   |  |
|---|--|
| Date of Government Version: 01/22/2018  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 01/24/2018    | Telephone: 916-255-3628                        |
| Date Made Active in Reports: 03/20/2018 | Last EDR Contact: 01/22/2018                   |
| Number of Days to Update: 55            | Next Scheduled EDR Contact: 05/07/2018         |
|   | Data Release Frequency: Varies                 |

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

|   |  |
|---|--|
| Date of Government Version: 02/14/2018  | Source: California Integrated Waste Management Board |
| Date Data Arrived at EDR: 02/16/2018    | Telephone: 916-341-6066                              |
| Date Made Active in Reports: 04/03/2018 | Last EDR Contact: 02/08/2018                         |
| Number of Days to Update: 46            | Next Scheduled EDR Contact: 05/28/2018               |
|   | Data Release Frequency: Varies                       |

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

|   |  |
|---|--|
| Date of Government Version: 12/31/2016  | Source: California Environmental Protection Agency |
| Date Data Arrived at EDR: 07/12/2017    | Telephone: 916-255-1136                            |
| Date Made Active in Reports: 10/17/2017 | Last EDR Contact: 04/12/2018                       |
| Number of Days to Update: 97            | Next Scheduled EDR Contact: 07/23/2018             |
|   | Data Release Frequency: Annually                   |

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

|   |  |
|---|--|
| Date of Government Version: 02/20/2018  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 02/21/2018    | Telephone: 877-786-9427                        |
| Date Made Active in Reports: 04/03/2018 | Last EDR Contact: 02/21/2018                   |
| Number of Days to Update: 41            | Next Scheduled EDR Contact: 06/04/2018         |
|   | Data Release Frequency: Quarterly              |

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

|   |  |
|---|--|
| Date of Government Version: 04/01/2001  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 01/22/2009    | Telephone: 916-323-3400                        |
| Date Made Active in Reports: 04/08/2009 | Last EDR Contact: 01/22/2009                   |
| Number of Days to Update: 76            | Next Scheduled EDR Contact: N/A                |
|   | Data Release Frequency: No Update Planned      |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

|   |  |
|---|--|
| Date of Government Version: 02/20/2018  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 02/21/2018    | Telephone: 916-323-3400                        |
| Date Made Active in Reports: 04/03/2018 | Last EDR Contact: 02/21/2018                   |
| Number of Days to Update: 41            | Next Scheduled EDR Contact: 06/04/2018         |
|   | Data Release Frequency: Quarterly              |

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

|   |  |
|---|--|
| Date of Government Version: 01/08/2018  | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 01/09/2018    | Telephone: 916-440-7145                        |
| Date Made Active in Reports: 02/06/2018 | Last EDR Contact: 04/11/2018                   |
| Number of Days to Update: 28            | Next Scheduled EDR Contact: 07/23/2018         |
|   | Data Release Frequency: Quarterly              |

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

|   |  |
|---|--|
| Date of Government Version: 12/11/2017  | Source: Department of Conservation     |
| Date Data Arrived at EDR: 12/12/2017    | Telephone: 916-322-1080                |
| Date Made Active in Reports: 01/12/2018 | Last EDR Contact: 03/14/2018           |
| Number of Days to Update: 31            | Next Scheduled EDR Contact: 06/25/2018 |
|   | Data Release Frequency: Quarterly      |

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

|   |  |
|---|--|
| Date of Government Version: 11/29/2017  | Source: Department of Public Health    |
| Date Data Arrived at EDR: 12/05/2017    | Telephone: 916-558-1784                |
| Date Made Active in Reports: 01/16/2018 | Last EDR Contact: 03/06/2018           |
| Number of Days to Update: 42            | Next Scheduled EDR Contact: 06/18/2018 |
|   | Data Release Frequency: Varies         |

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

|   |   |
|---|---|
| Date of Government Version: 02/14/2018  | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 02/14/2018    | Telephone: 916-445-9379                     |
| Date Made Active in Reports: 03/15/2018 | Last EDR Contact: 03/14/2018                |
| Number of Days to Update: 29            | Next Scheduled EDR Contact: 05/28/2018      |
|   | Data Release Frequency: Quarterly           |

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

|   |  |
|---|--|
| Date of Government Version: 12/04/2017  | Source: Department of Pesticide Regulation |
| Date Data Arrived at EDR: 12/05/2017    | Telephone: 916-445-4038                    |
| Date Made Active in Reports: 01/16/2018 | Last EDR Contact: 03/05/2018               |
| Number of Days to Update: 42            | Next Scheduled EDR Contact: 06/18/2018     |
|   | Data Release Frequency: Quarterly          |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 35

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/14/2017  
Date Data Arrived at EDR: 12/15/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 32

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/11/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water 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: 04/13/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Quarterly

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 03/21/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/09/2018  
Date Data Arrived at EDR: 01/11/2018  
Date Made Active in Reports: 02/22/2018  
Number of Days to Update: 42

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/28/2018  
Number of Days to Update: 63

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018  
Date Data Arrived at EDR: 03/05/2018  
Date Made Active in Reports: 03/15/2018  
Number of Days to Update: 10

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing

Cupa facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/25/2018  
Date Data Arrived at EDR: 01/26/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 47

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/26/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List Cupa facility list.

Date of Government Version: 02/26/2018  
Date Data Arrived at EDR: 03/01/2018  
Date Made Active in Reports: 03/15/2018  
Number of Days to Update: 14

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 02/14/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017  
Date Data Arrived at EDR: 11/29/2017  
Date Made Active in Reports: 01/19/2018  
Number of Days to Update: 51

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List Cupa Facility list

Date of Government Version: 01/05/2018  
Date Data Arrived at EDR: 02/02/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/04/2017  
Date Data Arrived at EDR: 12/06/2017  
Date Made Active in Reports: 12/27/2017  
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
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: 03/01/2018  
Date Data Arrived at EDR: 03/05/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 9

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 03/06/2018  
Next Scheduled EDR Contact: 07/16/2018  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017  
Date Data Arrived at EDR: 08/08/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 69

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/05/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/26/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 47

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## INYO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017  
Date Data Arrived at EDR: 06/09/2017  
Date Made Active in Reports: 08/04/2017  
Number of Days to Update: 56

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 03/28/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018  
Date Data Arrived at EDR: 02/02/2018  
Date Made Active in Reports: 03/28/2018  
Number of Days to Update: 54

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/01/2018  
Next Scheduled EDR Contact: 05/21/2018  
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: 11/14/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/15/2017  
Number of Days to Update: 28

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018  
Date Data Arrived at EDR: 02/09/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 33

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## LASSEN COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: No Update Planned

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 56

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 07/23/2018  
Data Release Frequency: Semi-Annually

## List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018  
Date Data Arrived at EDR: 01/16/2018  
Date Made Active in Reports: 02/14/2018  
Number of Days to Update: 29

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 04/21/2017  
Date Made Active in Reports: 10/09/2017  
Number of Days to Update: 171

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/11/2018  
Next Scheduled EDR Contact: 07/30/2018  
Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018  
Date Data Arrived at EDR: 01/17/2018  
Date Made Active in Reports: 02/14/2018  
Number of Days to Update: 28

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 01/17/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 04/19/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 21

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 04/11/2018  
Next Scheduled EDR Contact: 07/30/2018  
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: 03/09/2017  
Date Data Arrived at EDR: 03/10/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 54

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018  
Date Data Arrived at EDR: 01/05/2018  
Date Made Active in Reports: 01/18/2018  
Number of Days to Update: 13

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 04/05/2018  
Next Scheduled EDR Contact: 07/23/2018  
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: 02/21/2018  
Date Data Arrived at EDR: 02/22/2018  
Date Made Active in Reports: 04/03/2018  
Number of Days to Update: 40

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 02/14/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018  
Date Data Arrived at EDR: 01/05/2018  
Date Made Active in Reports: 01/17/2018  
Number of Days to Update: 12

Source: Public Works Department Waste Management  
Telephone: 415-473-6647  
Last EDR Contact: 03/29/2018  
Next Scheduled EDR Contact: 07/16/2018  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 01/11/2018  
Date Data Arrived at EDR: 01/12/2018  
Date Made Active in Reports: 02/08/2018  
Number of Days to Update: 27

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 02/14/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 02/22/2018  
Date Data Arrived at EDR: 02/27/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 15

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 02/22/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: Varies

## MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018  
Date Data Arrived at EDR: 01/11/2018  
Date Made Active in Reports: 01/31/2018  
Number of Days to Update: 20

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 02/20/2018  
Next Scheduled EDR Contact: 06/04/2018  
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: 02/22/2018  
Next Scheduled EDR Contact: 06/11/2018  
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: 02/22/2018  
Date Data Arrived at EDR: 02/27/2018  
Date Made Active in Reports: 03/29/2018  
Number of Days to Update: 30

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 02/22/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 01/31/2018  
Date Data Arrived at EDR: 02/01/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 41

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/29/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018  
Date Data Arrived at EDR: 02/13/2018  
Date Made Active in Reports: 04/03/2018  
Number of Days to Update: 49

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/05/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018  
Date Data Arrived at EDR: 02/13/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 35

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/05/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018  
Date Data Arrived at EDR: 02/07/2018  
Date Made Active in Reports: 03/28/2018  
Number of Days to Update: 49

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/07/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017  
Date Data Arrived at EDR: 12/12/2017  
Date Made Active in Reports: 01/31/2018  
Number of Days to Update: 50

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 03/15/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/15/2018  
Number of Days to Update: 50

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2018  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 56

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/19/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2018  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 03/28/2018  
Number of Days to Update: 64

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/19/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 01/03/2018  
Date Made Active in Reports: 02/05/2018  
Number of Days to Update: 33

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2018  
Next Scheduled EDR Contact: 07/16/2018  
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: 11/02/2017  
Date Data Arrived at EDR: 01/03/2018  
Date Made Active in Reports: 02/14/2018  
Number of Days to Update: 42

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/04/2018  
Next Scheduled EDR Contact: 07/16/2018  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017  
Date Data Arrived at EDR: 11/03/2017  
Date Made Active in Reports: 11/17/2017  
Number of Days to Update: 14

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Varies

## 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: 11/30/2017  
Date Data Arrived at EDR: 12/01/2017  
Date Made Active in Reports: 01/16/2018  
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 04/06/2018  
Next Scheduled EDR Contact: 05/21/2018  
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: 12/04/2017  
Date Data Arrived at EDR: 12/05/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 37

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 03/07/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/01/2018  
Next Scheduled EDR Contact: 05/07/2018  
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: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
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: 02/01/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017  
Date Data Arrived at EDR: 11/07/2017  
Date Made Active in Reports: 12/19/2017  
Number of Days to Update: 42

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 04/02/2018  
Next Scheduled EDR Contact: 05/21/2018  
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: 12/20/2017  
Date Data Arrived at EDR: 12/21/2017  
Date Made Active in Reports: 02/01/2018  
Number of Days to Update: 42

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 03/14/2018  
Next Scheduled EDR Contact: 07/02/2018  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/16/2017  
Date Data Arrived at EDR: 11/17/2017  
Date Made Active in Reports: 12/18/2017  
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017  
Date Data Arrived at EDR: 12/14/2017  
Date Made Active in Reports: 01/11/2018  
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/07/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Annually

## Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/23/2018  
Date Made Active in Reports: 04/11/2018  
Number of Days to Update: 78

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/07/2018  
Next Scheduled EDR Contact: 06/25/2018  
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: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

Date of Government Version: 02/20/2018  
Date Data Arrived at EDR: 02/20/2018  
Date Made Active in Reports: 03/19/2018  
Number of Days to Update: 27

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
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: 02/22/2018  
Next Scheduled EDR Contact: 06/11/2018  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018  
Date Data Arrived at EDR: 02/06/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 42

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/01/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 02/15/2018  
Next Scheduled EDR Contact: 06/04/2018  
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: 12/14/2017  
Date Data Arrived at EDR: 12/15/2017  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 28

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018  
Date Data Arrived at EDR: 03/13/2018  
Date Made Active in Reports: 03/29/2018  
Number of Days to Update: 16

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/20/2017  
Date Data Arrived at EDR: 12/21/2017  
Date Made Active in Reports: 01/31/2018  
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/22/2018  
Next Scheduled EDR Contact: 07/09/2018  
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: 01/04/2018  
Date Data Arrived at EDR: 01/09/2018  
Date Made Active in Reports: 02/06/2018  
Number of Days to Update: 28

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/22/2018  
Next Scheduled EDR Contact: 07/09/2018  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 02/06/2018  
Date Data Arrived at EDR: 02/07/2018  
Date Made Active in Reports: 03/16/2018  
Number of Days to Update: 37

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 01/16/2018  
Next Scheduled EDR Contact: 04/30/2018  
Data Release Frequency: Varies

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018  
Date Data Arrived at EDR: 03/01/2018  
Date Made Active in Reports: 03/30/2018  
Number of Days to Update: 29

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 02/28/2018  
Next Scheduled EDR Contact: 06/18/2018  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA Facility List

Cupa facilities

Date of Government Version: 01/26/2018  
Date Data Arrived at EDR: 02/02/2018  
Date Made Active in Reports: 03/21/2018  
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 02/01/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/25/2018  
Date Made Active in Reports: 03/19/2018  
Number of Days to Update: 53

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Varies

## TULARE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

Cupa program facilities

Date of Government Version: 09/27/2017  
Date Data Arrived at EDR: 09/28/2017  
Date Made Active in Reports: 10/16/2017  
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 03/06/2018  
Next Scheduled EDR Contact: 05/21/2018  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/25/2018  
Date Made Active in Reports: 03/16/2018  
Number of Days to Update: 50

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
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: 12/26/2017  
Date Data Arrived at EDR: 01/25/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 48

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
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: 03/29/2018  
Next Scheduled EDR Contact: 07/16/2018  
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: 02/08/2018  
Next Scheduled EDR Contact: 05/28/2018  
Data Release Frequency: Quarterly

### Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017  
Date Data Arrived at EDR: 01/25/2018  
Date Made Active in Reports: 03/20/2018  
Number of Days to Update: 54

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 01/22/2018  
Next Scheduled EDR Contact: 05/07/2018  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

|   |  |
|---|--|
| Date of Government Version: 02/28/2018  | Source: Environmental Health Division  |
| Date Data Arrived at EDR: 03/14/2018    | Telephone: 805-654-2813                |
| Date Made Active in Reports: 03/30/2018 | Last EDR Contact: 03/14/2018           |
| Number of Days to Update: 16            | Next Scheduled EDR Contact: 06/25/2018 |
|   | Data Release Frequency: Quarterly      |

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

|   |  |
|---|--|
| Date of Government Version: 01/02/2018  | Source: Yolo County Department of Health |
| Date Data Arrived at EDR: 01/09/2018    | Telephone: 530-666-8646                  |
| Date Made Active in Reports: 01/19/2018 | Last EDR Contact: 03/29/2018             |
| Number of Days to Update: 10            | Next Scheduled EDR Contact: 07/16/2018   |
|   | Data Release Frequency: Annually         |

## YUBA COUNTY:

### CUPA Facility List

CUPA facility listing for Yuba County.

|   |   |
|---|---|
| Date of Government Version: 02/01/2018  | Source: Yuba County Environmental Health Department |
| Date Data Arrived at EDR: 02/02/2018    | Telephone: 530-749-7523                             |
| Date Made Active in Reports: 03/21/2018 | Last EDR Contact: 01/29/2018                        |
| Number of Days to Update: 47            | Next Scheduled EDR Contact: 05/14/2018              |
|   | Data Release Frequency: Varies                      |

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

|   |   |
|---|---|
| Date of Government Version: 01/03/2018  | Source: Department of Energy & Environmental Protection |
| Date Data Arrived at EDR: 02/14/2018    | Telephone: 860-424-3375                                 |
| Date Made Active in Reports: 03/22/2018 | Last EDR Contact: 02/14/2018                            |
| Number of Days to Update: 36            | Next Scheduled EDR Contact: 05/28/2018                  |
|   | Data Release Frequency: No Update Planned               |

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

|   |  |
|---|--|
| Date of Government Version: 12/31/2016  | Source: Department of Environmental Protection |
| Date Data Arrived at EDR: 04/11/2017    | Telephone: N/A                                 |
| Date Made Active in Reports: 07/27/2017 | Last EDR Contact: 04/10/2018                   |
| Number of Days to Update: 107           | Next Scheduled EDR Contact: 07/23/2018         |
|   | Data Release Frequency: Annually               |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/31/2017  
Date Data Arrived at EDR: 01/31/2018  
Date Made Active in Reports: 03/09/2018  
Number of Days to Update: 37

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 01/31/2018  
Next Scheduled EDR Contact: 05/14/2018  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 07/25/2017  
Date Made Active in Reports: 09/25/2017  
Number of Days to Update: 62

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/12/2018  
Next Scheduled EDR Contact: 07/30/2018  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/21/2018  
Next Scheduled EDR Contact: 06/04/2018  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 04/13/2017  
Date Made Active in Reports: 07/14/2017  
Number of Days to Update: 92

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/08/2018  
Next Scheduled EDR Contact: 06/25/2018  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

## **STREET AND ADDRESS INFORMATION**

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

# **APPENDIX D**

## **HISTORICAL SOURCES**



Legend

Approximate Property Boundary 

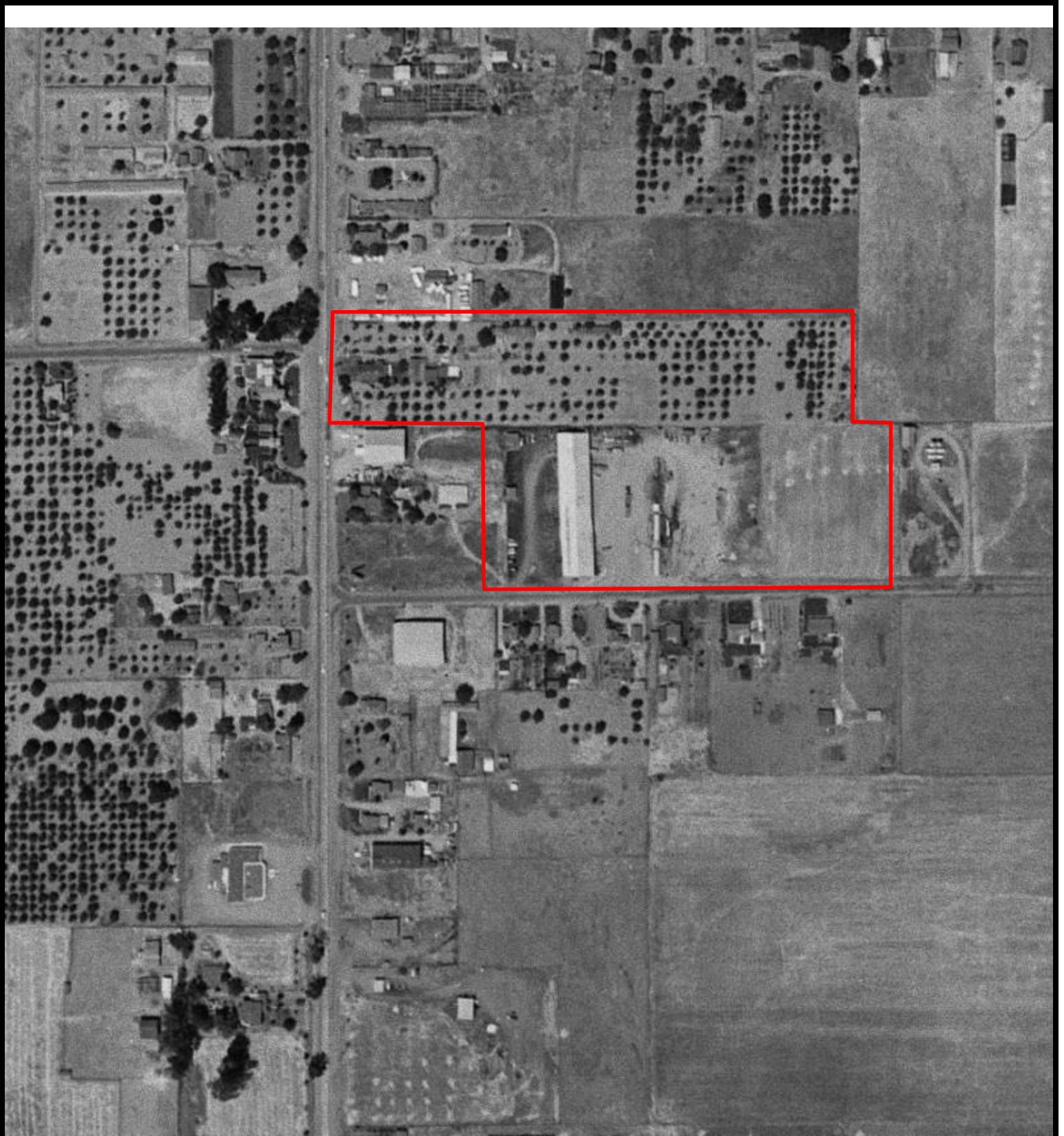


## AERIAL PHOTOGRAPH - 1942

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 1952**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants





Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 1968**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



## AERIAL PHOTOGRAPH - 1973

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 1982**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 1985**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 1993**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 2005**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 2006**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



## **AERIAL PHOTOGRAPH - 2009**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants





Legend

Approximate Property Boundary 



**AERIAL PHOTOGRAPH - 2010**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants



Legend

Approximate Property Boundary 



## **AERIAL PHOTOGRAPH - 2012**

325 Yolanda Avenue and 2532 Santa Rosa Avenue, Santa Rosa, CA 95407

Project Number: 387046

**AEI**  
Consultants

**387046**

325 Yolanda Avenue and 2532 Santa Rosa Avenue  
Santa Rosa, CA 95404

Inquiry Number: 5260394.5  
April 17, 2018

## The EDR-City Directory Abstract

## 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.

#### **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 OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels 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 providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1930 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

**infoUSA**<sup>®</sup>

Copyright©2008  
All Rights Reserved

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Source</u>                               | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|---|-----------|------------------|----------------------|---------------------|
| 2014        | EDR Digital Archive                         | -         | X                | X                    | -                   |
|             | EDR Digital Archive                         | X         | X                | X                    | -                   |
| 2010        | EDR Digital Archive                         | -         | X                | X                    | -                   |
|             | EDR Digital Archive                         | X         | X                | X                    | -                   |
| 2006        | AT & T Yellow Pages                         | X         | X                | X                    | -                   |
| 1994        | Pacific Bell                                | X         | X                | X                    | -                   |
| 1990        | R. L. Polk Co. Publishers                   | X         | X                | X                    | -                   |
| 1987        | R. L. Polk Co. Publishers                   | X         | X                | X                    | -                   |
| 1981        | The Pacific Telephone and Telegraph Company | X         | X                | X                    | -                   |
| 1976        | R. L. Polk Co. Publishers                   | X         | X                | X                    | -                   |
| 1970        | R. L. Polk Co. Publishers                   | -         | X                | X                    | -                   |

## EXECUTIVE SUMMARY

| <u>Year</u> | <u>Source</u>                            | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|--|-----------|------------------|----------------------|---------------------|
| 1965        | R. L. Polk Co. Publishers                | -         | X                | X                    | -                   |
| 1961        | R. L. Polk Co., Publishers               | -         | X                | X                    | -                   |
| 1958        | R. L. Polk Co., Publishers               | -         | X                | X                    | -                   |
| 1953        | R. L. Polk Co., Publishers               | -         | -                | -                    | -                   |
| 1947        | R. L. Polk Co., Publishers               | -         | -                | -                    | -                   |
| 1935        | R. L. Polk Co., Publishers               | -         | -                | -                    | -                   |
| 1930        | R. L. Polk Co., of California Publishers | -         | -                | -                    | -                   |

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

325 Yolanda Avenue and 2532 Santa Rosa Avenue  
Santa Rosa, CA 95404

### FINDINGS DETAIL

Target Property research detail.

### Yolanda Ave

#### 325 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>       |
|-------------|-------------------------------|---------------------|
| 2014        | HULSMAN TRANSPORTATION CO INC | EDR Digital Archive |
| 2010        | HULSMAN TRANSPORTATION CO INC | EDR Digital Archive |
|             | SR CHAIN ENVIRONMENTAL SERV   | EDR Digital Archive |

### YOLANDA AVE

#### 325 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                        | <u>Source</u>                               |
|-------------|------------------------------------|---|
| 2006        | Hulsman Transportation Co          | AT & T Yellow Pages                         |
|             | Matheson Fast Freight              | AT & T Yellow Pages                         |
| 1994        | FREIGHT                            | Pacific Bell                                |
|             | HULSMAN                            | Pacific Bell                                |
|             | MAJOR DIESEL                       | Pacific Bell                                |
|             | MATHESON FAST                      | Pacific Bell                                |
|             | RBC CONSTRUCTION CO                | Pacific Bell                                |
|             | TRANSPORTATION CO                  | Pacific Bell                                |
| 1990        | Autokraft                          | R. L. Polk Co. Publishers                   |
|             | Hulsman Transportation Co trucking | R. L. Polk Co. Publishers                   |
|             | Major Diesel                       | R. L. Polk Co. Publishers                   |
|             | P I E Nationwide trucking          | R. L. Polk Co. Publishers                   |
| 1987        | Hulsman Transportation Co trucking | R. L. Polk Co. Publishers                   |
|             | Major Diesel                       | R. L. Polk Co. Publishers                   |
|             | P I E Nationwide trucking          | R. L. Polk Co. Publishers                   |
| 1981        | Clapham Construction               | The Pacific Telephone and Telegraph Company |
|             | From Petaluma Telephones Call..... | The Pacific Telephone and Telegraph Company |
|             | HULSMAN TRANSPORTATION CO          | The Pacific Telephone and Telegraph Company |
|             | If No Answer Call.....             | The Pacific Telephone and Telegraph Company |

## FINDINGS

| <u>Year</u> | <u>Uses</u>                         | <u>Source</u>                               |
|-------------|-------------------------------------|---|
| 1981        | OPERATED EQUIPMENT                  | The Pacific Telephone and Telegraph Company |
|             | P I E Pacific Intermountain Express | The Pacific Telephone and Telegraph Company |
|             | Res                                 | The Pacific Telephone and Telegraph Company |
| 1976        | Hulsman Transportation Co trucking  | R. L. Polk Co. Publishers                   |
|             | Martin Charles                      | R. L. Polk Co. Publishers                   |



# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### COACHMAN LN

#### 2303 COACHMAN LN

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>                               |
|-------------|------------------|---|
| 1994        | Sherman Gerald H | Pacific Bell                                |
| 1990        | Sherman Gerald H | R. L. Polk Co. Publishers                   |
| 1987        | Sherman Gerald H | R. L. Polk Co. Publishers                   |
| 1981        | Sherman Gerald H | The Pacific Telephone and Telegraph Company |
| 1976        | Sherman Gerald H | R. L. Polk Co. Publishers                   |
| 1970        | Sherman Gerald H | R. L. Polk Co. Publishers                   |

#### 2305 COACHMAN LN

| <u>Year</u> | <u>Uses</u>          | <u>Source</u>                               |
|-------------|----------------------|---|
| 1994        | Carroll John M       | Pacific Bell                                |
| 1990        | Carroll John         | R. L. Polk Co. Publishers                   |
| 1987        | Carrol John          | R. L. Polk Co. Publishers                   |
| 1981        | Carroll John M       | The Pacific Telephone and Telegraph Company |
|             | Carroll John T ..... | The Pacific Telephone and Telegraph Company |
| 1976        | Carroll John         | R. L. Polk Co. Publishers                   |
| 1970        | Bridge C Jack        | R. L. Polk Co. Publishers                   |

#### 2307 COACHMAN LN

| <u>Year</u> | <u>Uses</u>   | <u>Source</u>             |
|-------------|---------------|---------------------------|
| 1990        | Anderson Rose | R. L. Polk Co. Publishers |
| 1987        | Anderson Rose | R. L. Polk Co. Publishers |
| 1976        | Sira Toby     | R. L. Polk Co. Publishers |
| 1970        | Collins V     | R. L. Polk Co. Publishers |

#### 2309 COACHMAN LN

| <u>Year</u> | <u>Uses</u>            | <u>Source</u>                               |
|-------------|------------------------|---|
| 1990        | Butterfield Sophia Mrs | R. L. Polk Co. Publishers                   |
| 1987        | Butterfield Sophia Mrs | R. L. Polk Co. Publishers                   |
| 1981        | Butterfield Chas E     | The Pacific Telephone and Telegraph Company |

## FINDINGS

| <u>Year</u> | <u>Uses</u>            | <u>Source</u>             |
|-------------|------------------------|---------------------------|
| 1976        | Butterfield Sophia Mrs | R. L. Polk Co. Publishers |
| 1970        | Foster Clarence        | R. L. Polk Co. Publishers |

### 2311 COACHMAN LN

| <u>Year</u> | <u>Uses</u>             | <u>Source</u>             |
|-------------|-------------------------|---------------------------|
| 1994        | Hopkins S W             | Pacific Bell              |
| 1990        | Hopkins Robt            | R. L. Polk Co. Publishers |
| 1987        | Hopkins Robt            | R. L. Polk Co. Publishers |
| 1976        | Swingler Florence E Mrs | R. L. Polk Co. Publishers |
| 1970        | Carpenter J             | R. L. Polk Co. Publishers |

### 2313 COACHMAN LN

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>                               |
|-------------|------------------|---|
| 1990        | Young Charles    | R. L. Polk Co. Publishers                   |
| 1987        | Grauer Joan      | R. L. Polk Co. Publishers                   |
| 1981        | Jones Clarence D | The Pacific Telephone and Telegraph Company |
| 1976        | Jones Clarence D | R. L. Polk Co. Publishers                   |
| 1970        | Jones Clarence D | R. L. Polk Co. Publishers                   |

### 2315 COACHMAN LN

| <u>Year</u> | <u>Uses</u>       | <u>Source</u>             |
|-------------|-------------------|---------------------------|
| 1990        | Casebolt Phillip  | R. L. Polk Co. Publishers |
| 1987        | Commings Robert J | R. L. Polk Co. Publishers |
| 1976        | Gabriel Gus       | R. L. Polk Co. Publishers |
| 1970        | Harbert Everett W | R. L. Polk Co. Publishers |

### 2317 COACHMAN LN

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>                               |
|-------------|------------------|---|
| 2006        | Edward W         | AT & T Yellow Pages                         |
|             | POWELLArlene     | AT & T Yellow Pages                         |
| 1990        | Powell Edw Jr    | R. L. Polk Co. Publishers                   |
| 1987        | Powell Edw Jr    | R. L. Polk Co. Publishers                   |
| 1981        | Powell Edward S  | The Pacific Telephone and Telegraph Company |
| 1976        | Powell Edw       | R. L. Polk Co. Publishers                   |
| 1970        | Jones Hannah Mrs | R. L. Polk Co. Publishers                   |

# FINDINGS

## Santa Rosa Ave

### 2612 Santa Rosa Ave

| <u>Year</u> | <u>Uses</u>             | <u>Source</u>       |
|-------------|-------------------------|---------------------|
| 2014        | HINKOS AUTO PERFORMANCE | EDR Digital Archive |
|             | SOUNDWAVE AUDIO INC     | EDR Digital Archive |
|             | CARTRONICS OF MARIN     | EDR Digital Archive |
| 2010        | SOUNDWAVE AUDIO INC     | EDR Digital Archive |
|             | HINKOS AUTO PERFORMANCE | EDR Digital Archive |

## SANTA ROSA AVE

### 2612 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>                            | <u>Source</u>                               |
|-------------|--|---|
| 1994        | NORTH BAY HONDA                        | Pacific Bell                                |
| 1981        | Manly W K Sr .....                     | The Pacific Telephone and Telegraph Company |
|             | HONDA OF SANTA ROSA                    | The Pacific Telephone and Telegraph Company |
|             | Automobile Service Sales & Parts.....  | The Pacific Telephone and Telegraph Company |
|             | Motorcycle Service Sales & Parts ..... | The Pacific Telephone and Telegraph Company |
|             | Manly Honda Of Santa Rosa              | The Pacific Telephone and Telegraph Company |
| 1965        | Carson Duane signs                     | R. L. Polk Co. Publishers                   |
| 1961        | Pisenti Bros used cars                 | R. L. Polk Co., Publishers                  |
| 1958        | Pisenti Bros used cars                 | R. L. Polk Co., Publishers                  |

### 2616 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>              |
|-------------|-------------------------------|----------------------------|
| 1994        | SUN TINT                      | Pacific Bell               |
| 1965        | Santa Rosa Marine dirs & repr | R. L. Polk Co. Publishers  |
| 1961        | Caribbean Gourmet restr       | R. L. Polk Co., Publishers |

## Santa Rosa Ave

### 2620 Santa Rosa Ave

| <u>Year</u> | <u>Uses</u>        | <u>Source</u>       |
|-------------|--------------------|---------------------|
| 2014        | QUALITY MOTORS LLC | EDR Digital Archive |
| 2010        | QUALITY MOTORS LLC | EDR Digital Archive |

## FINDINGS

### SANTA ROSA AVE

#### 2620 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>            | <u>Source</u>              |
|-------------|------------------------|----------------------------|
| 1994        | Kempf Joseph           | Pacific Bell               |
| 1965        | White Albert L         | R. L. Polk Co. Publishers  |
|             | Whites Tamale          | R. L. Polk Co. Publishers  |
| 1961        | Williams Constance Mrs | R. L. Polk Co., Publishers |
| 1958        | Whites Tamale Factory  | R. L. Polk Co., Publishers |
|             | White Albert L         | R. L. Polk Co., Publishers |

### Santa Rosa Ave

#### 2626 Santa Rosa Ave

| <u>Year</u> | <u>Uses</u>    | <u>Source</u>       |
|-------------|----------------|---------------------|
| 2010        | WEISINGER JOEY | EDR Digital Archive |

### SANTA ROSA AVE

#### 2626 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>      | <u>Source</u> |
|-------------|------------------|---------------|
| 1994        | REPAIR           | Pacific Bell  |
|             | SANTA ROSA AUTO  | Pacific Bell  |
|             | UPHOLSTERY       | Pacific Bell  |
|             | NOLEN AUTOMOTIVE | Pacific Bell  |

#### 2628 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>              |
|-------------|------------------|----------------------------|
| 1965        | Vacant           | R. L. Polk Co. Publishers  |
| 1961        | Arneson Clarence | R. L. Polk Co., Publishers |
| 1958        | Arneson Clarence | R. L. Polk Co., Publishers |

#### 2636 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>       | <u>Source</u>              |
|-------------|-------------------|----------------------------|
| 1965        | Broderick Wm      | R. L. Polk Co. Publishers  |
| 1961        | Zumwalt Delbert W | R. L. Polk Co., Publishers |
| 1958        | Zumwalt Delbert W | R. L. Polk Co., Publishers |

#### 2640 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>         | <u>Source</u> |
|-------------|---------------------|---------------|
| 1994        | MALM METAL PRODUCTS | Pacific Bell  |

## FINDINGS

| <u>Year</u> | <u>Uses</u>             | <u>Source</u>                               |
|-------------|-------------------------|---|
| 1981        | MAUM METAL PRODUCTS INC | The Pacific Telephone and Telegraph Company |
|             | Maim Robt K             | The Pacific Telephone and Telegraph Company |
| 1965        | Malm Mtl Products Inc   | R. L. Polk Co. Publishers                   |
|             | Malm & Wilson mech eng  | R. L. Polk Co. Publishers                   |
| 1961        | Malm Mtl Products Inc   | R. L. Polk Co., Publishers                  |
| 1958        | Malm Mtl Products Inc   | R. L. Polk Co., Publishers                  |

### Santa Rosa Ave

#### 2642 Santa Rosa Ave

| <u>Year</u> | <u>Uses</u>            | <u>Source</u>       |
|-------------|------------------------|---------------------|
| 2014        | D C T INC              | EDR Digital Archive |
|             | DARDI FOOD SERVICE INC | EDR Digital Archive |
| 2010        | D C T INC              | EDR Digital Archive |

### SANTA ROSA AVE

#### 2642 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>                         | <u>Source</u>                               |
|-------------|-------------------------------------|---|
| 1994        | CAR CITY                            | Pacific Bell                                |
| 1981        | Downtown                            | The Pacific Telephone and Telegraph Company |
|             | BUDGET RENT A CAR                   | The Pacific Telephone and Telegraph Company |
|             | Airport Sonoma County Airport ..... | The Pacific Telephone and Telegraph Company |
|             | Budget Rent A Truck                 | The Pacific Telephone and Telegraph Company |
| 1965        | Davis Signal Serv gas sta           | R. L. Polk Co. Publishers                   |
|             | Signal Oil Co                       | R. L. Polk Co. Publishers                   |
| 1961        | Davis Signal Serv gas sta           | R. L. Polk Co., Publishers                  |
|             | Signal Oil Co                       | R. L. Polk Co., Publishers                  |
| 1958        | Signal Oil Co                       | R. L. Polk Co., Publishers                  |

### Santa Rosa Ave

#### 2648 Santa Rosa Ave

| <u>Year</u> | <u>Uses</u>           | <u>Source</u>       |
|-------------|-----------------------|---------------------|
| 2014        | 7-ELEVEN INC          | EDR Digital Archive |
|             | METROPCS WIRELESS INC | EDR Digital Archive |

## FINDINGS

| <u>Year</u> | <u>Uses</u>  | <u>Source</u>       |
|-------------|--------------|---------------------|
| 2010        | METROPCS INC | EDR Digital Archive |
|             | 7-ELEVEN INC | EDR Digital Archive |

### SANTA ROSA AVE

#### 2658 SANTA ROSA AVE

| <u>Year</u> | <u>Uses</u>                        | <u>Source</u>                               |
|-------------|------------------------------------|---|
| 1981        | Northern Redwood Transportation Co | The Pacific Telephone and Telegraph Company |
| 1965        | Hulsman Transportation Co          | R. L. Polk Co. Publishers                   |
| 1958        | Hulsman Transportation Co          | R. L. Polk Co., Publishers                  |

### SQUIRE

#### 2307 SQUIRE

| <u>Year</u> | <u>Uses</u> | <u>Source</u>       |
|-------------|-------------|---------------------|
| 2006        | MOORE David | AT & T Yellow Pages |

#### 2314 SQUIRE

| <u>Year</u> | <u>Uses</u> | <u>Source</u>       |
|-------------|-------------|---------------------|
| 2006        | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |
|             | Paul A      | AT & T Yellow Pages |

### SSQUIRE LN

#### 2306 SSQUIRE LN

| <u>Year</u> | <u>Uses</u> | <u>Source</u>                               |
|-------------|-------------|---|
| 1981        | Gama Louis  | The Pacific Telephone and Telegraph Company |

### YOLANDA

#### 326 YOLANDA

| <u>Year</u> | <u>Uses</u>                             | <u>Source</u>       |
|-------------|---|---------------------|
| 2006        | Complete Equipment Repair & Maintenance | AT & T Yellow Pages |

## FINDINGS

| <u>Year</u> | <u>Uses</u>                             | <u>Source</u>       |
|-------------|---|---------------------|
| 2006        | Complete Equipment Repair & Maintenance | AT & T Yellow Pages |

### 368 YOLANDA

| <u>Year</u> | <u>Uses</u>               | <u>Source</u>       |
|-------------|---------------------------|---------------------|
| 2006        | Malnekoff Diane Ph D CEAP | AT & T Yellow Pages |

### YOLANDA AVE

#### 201 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>           | <u>Source</u>             |
|-------------|-----------------------|---------------------------|
| 1990        | Fire Safety Supply Co | R. L. Polk Co. Publishers |

#### 202 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                       | <u>Source</u>             |
|-------------|-----------------------------------|---------------------------|
| 1990        | Jackson Art Design Group graphics | R. L. Polk Co. Publishers |

#### 203 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>             |
|-------------|-------------------------------|---------------------------|
| 1990        | Diesel Fuel Injection Systems | R. L. Polk Co. Publishers |

#### 204 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>            | <u>Source</u>             |
|-------------|------------------------|---------------------------|
| 1990        | Suzans Accounting Serv | R. L. Polk Co. Publishers |

#### 205 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                    | <u>Source</u>             |
|-------------|--------------------------------|---------------------------|
| 1990        | Master Touch Custom Upholstery | R. L. Polk Co. Publishers |

#### 301 YOLANDA AVE

| <u>Year</u> | <u>Uses</u> | <u>Source</u>             |
|-------------|-------------|---------------------------|
| 1990        | Vacant      | R. L. Polk Co. Publishers |

#### 302 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                            | <u>Source</u>                               |
|-------------|--|---|
| 1994        | CROMER CLARKLIFT                       | Pacific Bell                                |
| 1990        | Golden State Welding                   | R. L. Polk Co. Publishers                   |
| 1987        | Golden State Welding                   | R. L. Polk Co. Publishers                   |
| 1981        | GOLDEN STATE WELDING AND MANUFACTURING | The Pacific Telephone and Telegraph Company |
| 1976        | Martignoli Joseph A                    | R. L. Polk Co. Publishers                   |
| 1970        | Martignoli Joeeph A                    | R. L. Polk Co. Publishers                   |

## FINDINGS

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>              |
|-------------|------------------|----------------------------|
| 1961        | Martignoli Jos A | R. L. Polk Co., Publishers |
| 1958        | Martignoli Jos A | R. L. Polk Co., Publishers |

### 303 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>           | <u>Source</u>             |
|-------------|-----------------------|---------------------------|
| 1990        | Santa Rosa Crating Co | R. L. Polk Co. Publishers |

### 305 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>       | <u>Source</u>             |
|-------------|-------------------|---------------------------|
| 1990        | Westate Packaging | R. L. Polk Co. Publishers |

### 316 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>         | <u>Source</u>                               |
|-------------|---------------------|---|
| 1990        | Calderon Phillip H  | R. L. Polk Co. Publishers                   |
| 1987        | Calderon Phillip H  | R. L. Polk Co. Publishers                   |
| 1981        | Calderon Phillip    | The Pacific Telephone and Telegraph Company |
| 1976        | Calderon Phil Bip H | R. L. Polk Co. Publishers                   |
| 1970        | Caldemon Phil Up    | R. L. Polk Co. Publishers                   |
| 1965        | C 4er T             | R. L. Polk Co. Publishers                   |
| 1961        | Calderon Phillipi   | R. L. Polk Co., Publishers                  |
| 1958        | Calderon Phillipi   | R. L. Polk Co., Publishers                  |

### Yolanda Ave

#### 324 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>       |
|-------------|-------------------------------|---------------------|
| 2014        | FIERCE CHEER ELITE            | EDR Digital Archive |
|             | MERZ ENTERPRISES              | EDR Digital Archive |
|             | COORDINATED PRJ INSTALLATIONS | EDR Digital Archive |
| 2010        | MERZ ENTERPRISES              | EDR Digital Archive |
|             | SHADOW TACTICAL               | EDR Digital Archive |

### YOLANDA AVE

#### 324 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>             | <u>Source</u>       |
|-------------|-------------------------|---------------------|
| 2006        | Merz Enterprises        | AT & T Yellow Pages |
| 1994        | THERMATEC R & D         | Pacific Bell        |
|             | B BLUE OX MANUFACTURING | Pacific Bell        |
|             | Building                | Pacific Bell        |



## FINDINGS

| <u>Year</u> | <u>Uses</u>                    | <u>Source</u>              |
|-------------|--------------------------------|----------------------------|
| 1990        | Thermatec R & D blue ox mfg    | R. L. Polk Co. Publishers  |
| 1987        | Vari Cool air condit sys & sup | R. L. Polk Co. Publishers  |
| 1976        | Vacant                         | R. L. Polk Co. Publishers  |
| 1970        | Porras Felix P                 | R. L. Polk Co. Publishers  |
| 1965        | a Brinegar Btaer M             | R. L. Polk Co. Publishers  |
|             | Flem Ing Auth WMa r            | R. L. Polk Co. Publishers  |
| 1961        | Koenig Eleanor M               | R. L. Polk Co., Publishers |
| 1958        | Hodges Gorman B geni contr     | R. L. Polk Co., Publishers |

### Yolanda Ave

#### 326 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>       |
|-------------|-------------------------------|---------------------|
| 2014        | SRT COLLISION WORKS           | EDR Digital Archive |
| 2010        | COMPLETE COLLISION CENTER LLC | EDR Digital Archive |

### YOLANDA AVE

#### 326 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                        | <u>Source</u>             |
|-------------|------------------------------------|---------------------------|
| 2006        | Complete Collision Center          | AT & T Yellow Pages       |
| 1994        | NORTH BAY AUTO BODY                | Pacific Bell              |
| 1990        | North Bay Auto Body                | R. L. Polk Co. Publishers |
| 1987        | North Bay Auto Body auto body repr | R. L. Polk Co. Publishers |

### Yolanda Ave

#### 328 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>       |
|-------------|-------------------------------|---------------------|
| 2010        | COORDINATED PRJ INSTALLATIONS | EDR Digital Archive |

### YOLANDA AVE

#### 328 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>                           | <u>Source</u>       |
|-------------|---------------------------------------|---------------------|
| 2006        | Coordinated Project Installations Inc | AT & T Yellow Pages |
|             | Coopersmith Ken                       | AT & T Yellow Pages |
| 1994        | GLASS WORKS THE                       | Pacific Bell        |

## FINDINGS

### Yolanda Ave

#### 330 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                | <u>Source</u>       |
|-------------|----------------------------|---------------------|
| 2014        | NORTH BAY PRESSURE WASHING | EDR Digital Archive |

### YOLANDA AVE

#### 330 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>      | <u>Source</u>              |
|-------------|------------------|----------------------------|
| 1994        | WHOLESALE        | Pacific Bell               |
|             | PACIFIC AUTO     | Pacific Bell               |
| 1976        | Vacant           | R. L. Polk Co. Publishers  |
| 1970        | Zumault Dale     | R. L. Polk Co. Publishers  |
| 1965        | Kabalewal Herman | R. L. Polk Co. Publishers  |
| 1961        | Thomas John H    | R. L. Polk Co., Publishers |
| 1958        | Thomas John      | R. L. Polk Co., Publishers |

#### 340 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>     | <u>Source</u>             |
|-------------|-----------------|---------------------------|
| 1994        | SONOMA COUNTY   | Pacific Bell              |
|             | CATERING        | Pacific Bell              |
|             | CATERING        | Pacific Bell              |
|             | SONOMA COUNTY   | Pacific Bell              |
| 1990        | Karuza Plumbing | R. L. Polk Co. Publishers |
| 1987        | Karuza Plumbing | R. L. Polk Co. Publishers |

### Yolanda Ave

#### 358 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>       |
|-------------|-------------------------------|---------------------|
| 2014        | HOUSE CRTV ENDV GRND MAINTNCE | EDR Digital Archive |
|             | MAGIC MOTORS                  | EDR Digital Archive |
| 2010        | BRIA RECREATION               | EDR Digital Archive |
|             | HOUSE CRTV ENDV GRND MAINTNCE | EDR Digital Archive |

### YOLANDA AVE

#### 358 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>        | <u>Source</u> |
|-------------|--------------------|---------------|
| 1994        | GOLDEN EAR SERVICE | Pacific Bell  |

## FINDINGS

| <u>Year</u> | <u>Uses</u>  | <u>Source</u>  |
|-------------|--|--|
| 1994        | CENTER   | Pacific Bell   |
| 1990        | Progressive Photography                                  | R. L. Polk Co. Publishers                              |
| 1987        | Grounds Maintenance Supply Co<br>Hals Creative Endeavors | R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers |
| 1976        | Hansel Dennis  | R. L. Polk Co. Publishers                              |
| 1965        | Cavallero John B   | R. L. Polk Co. Publishers                              |
| 1961        | Cavallero John B   | R. L. Polk Co., Publishers                             |
| 1958        | Cavallero John B   | R. L. Polk Co., Publishers                             |

### 366 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>  | <u>Source</u>              |
|-------------|--------------|----------------------------|
| 1970        | Vacant       | R. L. Polk Co. Publishers  |
| 1961        | Frohman Wm A | R. L. Polk Co., Publishers |
| 1958        | Frohman Wm A | R. L. Polk Co., Publishers |

### Yolanda Ave

#### 368 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                                      | <u>Source</u>                              |
|-------------|--|--|
| 2014        | MALM FIREPLACE CENTER INC<br>MALM FIREPLACES INC | EDR Digital Archive<br>EDR Digital Archive |
| 2010        | MALM FIREPLACES INC<br>MALM FIREPLACE CENTER INC | EDR Digital Archive<br>EDR Digital Archive |

### YOLANDA AVE

#### 368 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>  | <u>Source</u>  |
|-------------|--|--|
| 2006        | Malm Fireplaces Inc mfg  | AT & T Yellow Pages  |
| 1994        | MALM FIREPLACE CENTER<br>FIREFORM PORCELAIN  | Pacific Bell<br>Pacific Bell   |
| 1990        | Malm Fireplaces Inc<br>Malm Fireplace Center sls<br>b Bills Auto Parts<br>Stephens Automotive car repair | R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers |
| 1987        | b Bills Auto Parts<br>Stephens Automotive car repair<br>Malm Fireplaces Inc                              | R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers<br>R. L. Polk Co. Publishers                              |
| 1976        | Malm Fireplaces Inc metal fireplaces   | R. L. Polk Co. Publishers  |
| 1970        | Malm Fireplaces Inc  | R. L. Polk Co. Publishers  |

## FINDINGS

| <u>Year</u> | <u>Uses</u>                     | <u>Source</u>             |
|-------------|---------------------------------|---------------------------|
| 1965        | Malm Mtl Products Fireplace div | R. L. Polk Co. Publishers |

### 371 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>         | <u>Source</u>              |
|-------------|---------------------|----------------------------|
| 1965        | Modern Tree Experts | R. L. Polk Co. Publishers  |
| 1961        | Modern Tree Experts | R. L. Polk Co., Publishers |
| 1958        | Modern Tree Experts | R. L. Polk Co., Publishers |

### 372 YOLANDA AVE

| <u>Year</u> | <u>Uses</u> | <u>Source</u>                               |
|-------------|-------------|---|
| 1994        | Asti Sam    | Pacific Bell                                |
| 1990        | Asti Sami A | R. L. Polk Co. Publishers                   |
| 1987        | Asti Sami A | R. L. Polk Co. Publishers                   |
| 1981        | Asti Sam    | The Pacific Telephone and Telegraph Company |
| 1976        | Asti Sami A | R. L. Polk Co. Publishers                   |
| 1970        | Asti Sami A | R. L. Polk Co. Publishers                   |
| 1965        | Asti Sami A | R. L. Polk Co. Publishers                   |
| 1961        | Asti Saml A | R. L. Polk Co., Publishers                  |
| 1958        | Asti Sami A | R. L. Polk Co., Publishers                  |

### 376 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>        | <u>Source</u>                               |
|-------------|--------------------|---|
| 1994        | Berger George C    | Pacific Bell                                |
| 1990        | Berger Geo C       | R. L. Polk Co. Publishers                   |
| 1987        | Berger Geo C       | R. L. Polk Co. Publishers                   |
| 1981        | Berger George C    | The Pacific Telephone and Telegraph Company |
| 1976        | Berger Geo         | R. L. Polk Co. Publishers                   |
| 1970        | Dantzier Lemuel    | R. L. Polk Co. Publishers                   |
| 1965        | Richardson Sue Mrs | R. L. Polk Co. Publishers                   |
| 1961        | Carlson Fred       | R. L. Polk Co., Publishers                  |

### 380 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>           | <u>Source</u>              |
|-------------|-----------------------|----------------------------|
| 1990        | Danieli Ed            | R. L. Polk Co. Publishers  |
| 1987        | Danieli Ed            | R. L. Polk Co. Publishers  |
| 1976        | Porter Kenneth        | R. L. Polk Co. Publishers  |
| 1970        | Miller Emery F        | R. L. Polk Co. Publishers  |
| 1965        | Henderson Roberta Mrs | R. L. Polk Co. Publishers  |
| 1961        | Rattaro Emilio        | R. L. Polk Co., Publishers |

## FINDINGS

| <u>Year</u> | <u>Uses</u>    | <u>Source</u>              |
|-------------|----------------|----------------------------|
| 1958        | Rattaro Emilio | R. L. Polk Co., Publishers |

### 385 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>    | <u>Source</u>             |
|-------------|----------------|---------------------------|
| 1970        | Hansel Denni S | R. L. Polk Co. Publishers |
|             | Saraiba Mario  | R. L. Polk Co. Publishers |

### 386 YOLANDA AVE

| <u>Year</u> | <u>Uses</u>          | <u>Source</u>                               |
|-------------|----------------------|---|
| 1981        | Danieli Bros Mfg Inc | The Pacific Telephone and Telegraph Company |

### Yolanda Ave

#### 400 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                  | <u>Source</u>       |
|-------------|------------------------------|---------------------|
| 2014        | PLUMMER CLARK                | EDR Digital Archive |
|             | JIM STUART MOBILE WELDING    | EDR Digital Archive |
|             | AUTOKRAFT                    | EDR Digital Archive |
|             | JOHANNESSEN CHRISTOPHER JOHN | EDR Digital Archive |
|             | WALTS CUSTOM SERVICES        | EDR Digital Archive |
| 2010        | WALTS CUSTOM SERVICES        | EDR Digital Archive |
|             | AUTOKRAFT                    | EDR Digital Archive |
|             | PLUMMER CLARK                | EDR Digital Archive |

#### 404 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                    | <u>Source</u>       |
|-------------|--------------------------------|---------------------|
| 2014        | GALVIN PRECISION MACHINING INC | EDR Digital Archive |
| 2010        | GALVIN PRECISION MACHINING INC | EDR Digital Archive |
|             | MGT CONSTRUCTION               | EDR Digital Archive |

#### 455 Yolanda Ave

| <u>Year</u> | <u>Uses</u>                 | <u>Source</u>       |
|-------------|-----------------------------|---------------------|
| 2014        | REDWOOD TRANSPORTATION LLC  | EDR Digital Archive |
| 2010        | REDWOOD COAST PETROLEUM INC | EDR Digital Archive |

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

325 Yolanda Avenue and 2532  
Santa Rosa Avenue

#### Address Not Identified in Research Source

1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

201 YOLANDA AVE

202 YOLANDA AVE

203 YOLANDA AVE

204 YOLANDA AVE

205 YOLANDA AVE

2303 COACHMAN LN

2305 COACHMAN LN

2306 SSQUIRE LN

2307 COACHMAN LN

2307 SQUIRE

2309 COACHMAN LN

2311 COACHMAN LN

2313 COACHMAN LN

2314 SQUIRE

2315 COACHMAN LN

2317 COACHMAN LN

2612 SANTA ROSA AVE

2612 Santa Rosa Ave

2616 SANTA ROSA AVE

#### Address Not Identified in Research Source

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1981, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1994, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1976, 1970, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1958, 1953, 1947, 1935, 1930

## FINDINGS

### **Address Researched**

2620 SANTA ROSA AVE

2620 Santa Rosa Ave

2626 Santa Rosa Ave

2626 SANTA ROSA AVE

2628 SANTA ROSA AVE

2636 SANTA ROSA AVE

2640 SANTA ROSA AVE

2642 SANTA ROSA AVE

2642 Santa Rosa Ave

2648 Santa Rosa Ave

2658 SANTA ROSA AVE

301 YOLANDA AVE

302 YOLANDA AVE

303 YOLANDA AVE

305 YOLANDA AVE

316 YOLANDA AVE

324 YOLANDA AVE

324 Yolanda Ave

326 YOLANDA

326 Yolanda Ave

326 YOLANDA AVE

328 Yolanda Ave

328 YOLANDA AVE

330 YOLANDA AVE

330 Yolanda Ave

340 YOLANDA AVE

358 YOLANDA AVE

### **Address Not Identified in Research Source**

2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1976, 1970, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1976, 1970, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1961, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1965, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1953, 1947, 1935, 1930

2014, 2010, 1981, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1990, 1987, 1981, 1953, 1947, 1935, 1930

2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1981, 1970, 1953, 1947, 1935, 1930

## FINDINGS

### Address Researched

358 Yolanda Ave

366 YOLANDA AVE

368 YOLANDA

368 YOLANDA AVE

368 Yolanda Ave

371 YOLANDA AVE

372 YOLANDA AVE

376 YOLANDA AVE

380 YOLANDA AVE

385 YOLANDA AVE

386 YOLANDA AVE

400 Yolanda Ave

404 Yolanda Ave

455 Yolanda Ave

### Address Not Identified in Research Source

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1965, 1953, 1947, 1935, 1930

2014, 2010, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 1981, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1970, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1958, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1981, 1953, 1947, 1935, 1930

2014, 2010, 2006, 1994, 1990, 1987, 1981, 1976, 1965, 1961, 1958, 1953, 1947, 1935, 1930


2014, 2010, 2006, 1994, 1990, 1987, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930

2006, 1994, 1990, 1987, 1981, 1976, 1970, 1965, 1961, 1958, 1953, 1947, 1935, 1930





387046

325 Yolanda Avenue and 2532 Santa Rosa Avenue

Santa Rosa, CA 95404

Inquiry Number: 5260394.3

April 16, 2018

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

04/16/18

**Site Name:**

**Client Name:**

387046

325 Yolanda Avenue and 2532

Santa Rosa, CA 95404

EDR Inquiry # 5260394.3

AEI Consultants

2500 Camino Diablo

Walnut Creek, CA 94597

Contact: Tony Chilrese



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AEI Consultants 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](http://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 # | PO #   | Project | UNMAPPED PROPERTY |
|-----------------|--------|---------|-------------------|
| C8C0-41AF-8A6B  | 158358 | 387046  |                   |

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.

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™*



Sanborn® Library search results  
Certification #: C8C0-41AF-8A6B

## Limited Permission To Make Copies

AEI Consultants (the client) is permitted to make up to FIVE photocopies of this Sanborn Map Transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

## 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 OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS 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 STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels 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 providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission. EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

# **APPENDIX E**

## **REGULATORY AGENCY RECORDS**

---

## North Coast Regional Water Quality Control Board

June 26, 2017

Mr. James Hulsman  
1914 232<sup>nd</sup> Place, NE  
Sammamish, WA 98074  
[jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)

Dear Mr. Hulsman:

Subject: **No Further Action**

Site: Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, CA;  
Case No. 1TSR050

This letter confirms the completion of a site investigation and corrective 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.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Please contact Jo Bentz of my staff at (707) 576-2838 or [Jo.Bentz@waterboards.ca.gov](mailto:Jo.Bentz@waterboards.ca.gov) if you have any questions regarding this matter.

Sincerely,



Digitally signed by  
Claudia Villacorta  
Date: 2017.06.26  
12:33:18 -07'00'

Matthias St. John  
Executive Officer

170626\_JLB\_er\_Hulsman\_UST\_NFA.docx

cc: Santa Rosa Fire Department, [Gbuckheit@srcity.org](mailto:Gbuckheit@srcity.org)  
Mr. John Calomiris, Edd Clark & Associates, [JohnC@eddclarkandassociates.com](mailto:JohnC@eddclarkandassociates.com)  
Mr. David Bush, EGS, [dbush@egsconsultants.com](mailto:dbush@egsconsultants.com)  
Ms. Leslye Choate, Sonoma County Environmental Health Division,  
[leslye.choate@sonoma-county.org](mailto:leslye.choate@sonoma-county.org)  
Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)  
Mr. Jerry Swift, [cswift8140@yahoo.com](mailto:cswift8140@yahoo.com)

## North Coast Regional Water Quality Control Board

### Interoffice Communication

To: Craig Hunt



Digitally signed by Craig S. Hunt  
Reason: I concur with NFA with an SGMP  
Date: 2017.01.10 09:59:45 -08'00'

From: Jo Bentz



Digitally signed  
by Jo Bentz

Date:  
2017.01.10  
09:51:23 -08'00'

Date: January 10, 2017

Subject: **No Further Action Recommendation**

Site: Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa  
Case No- 1TSR050

#### Site Description-

The Hulsman site consists of one parcel approximately 5.46 acres in size which is zoned for "general commercial" development. The site is located within a mixed commercial, industrial, and residential land use setting in south-west Santa Rosa. The site has been used as a truck storage and truck repair facility since approximately 1940. The site is generally level and most of the site is unpaved.

Hulsman Transportation is an operating transportation company and large trucks are stored on the property. A warehouse is located on the property near Yolanda Avenue and several smaller buildings and sheds are scattered throughout. A domestic water supply well, which is the sole source of water for the property, is located at the eastern property boundary.

According to recent discussion with the property owners (Jim and Paul Hulsman), the site is likely to be redeveloped into a commercial development.

#### Site History-

This site formerly contained three USTs, two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. Remaining contamination at the site is associated with the former gasoline UST. However, site closure includes evaluation of releases from the three USTs.

The 500-gallon gasoline UST was removed in 1982. No soil was removed at the time of tank removal. Reportedly, however, the gas tank area was reopened and over-excavated in 1990 to a depth of 5 feet, tapering down to a depth of 13 feet, resulting in the removal of approximately 175 cubic yards of soil. Soil samples collected at the bottom of the

excavation showed that a release of TPH-gasoline and BTEX chemicals had occurred. The tank pit area was backfilled with clean material.

Two diesel USTs, consisting of one 4,000 gallon tank and one 8,000 gallon tank, were removed on October 4, 1988. Initial soil samples showed soil was contaminated with 60 to 3,100 ppm TPH-diesel. Due to the soil contamination, the diesel tank area was over-excavated to a depth of 14 to 16 feet. Soil samples were collected after excavation and tested for TPH-motor oil, TPH-diesel, and BTEX. Results of confirmation soil samples collected after over-excavation were non-detect. However, since a release from the tanks was documented, a groundwater investigation was required.

MW-1 and MW-2 were installed in 1988 and 1990, respectively, next to the diesel USTs. The well screen length for MW-1 extended from 24-46.5 ft bgs and MW-2 extended from 25.3 to 45.3 ft bgs. Groundwater from MW-1 and MW-2 was tested in 1989/1990, 1996, and 2001. Although initially, BTEX was reported in the groundwater, subsequent testing of the wells did not show the presence of petroleum hydrocarbons, including BTEX. In addition, the on-site domestic well was tested and no contamination was found.

During investigation of the Malm Metal UST Spill site (2640 Santa Rosa Avenue), a domestic well located at 316 Yolanda Avenue, located across the street from the Hulsman site, was found to be impacted with gasoline. The source of the gasoline was suspected to be the Malm Metal site, but the domestic well was located 150 feet southwest of the Hulsman gasoline UST.

In 1992, MW-3 was installed next to the gasoline tank UST. Additional investigation was required after gas and BTEX chemicals were detected in groundwater from MW-3.

Temporary soil borings and additional groundwater monitoring wells were installed at the site between 1998 and 2004. Original shallow monitoring well MW-3 was abandoned and one deeper (MW-3d) and four new shallow monitoring wells (MW-1s through MW-3s, and MW-4) were installed. Further investigation indicated that the Hulsman TPH-gas/BTEX plume extended southwest under Yolanda Avenue. Eventually, groundwater monitoring wells B-15, B-16, B-17 and B-27, located in Yolanda Avenue and originally installed for the Malm Metal UST Spill site, were monitored by the Hulsman site in order to define the downgradient extent of their TPH-gas/BTEX plume.

#### Groundwater-

Gasoline and benzene are the main constituents of concern in groundwater at the site. MTBE is detected infrequently and at low levels. Shallow groundwater monitoring shows that the Malm Metal UST Spill and Hulsman gas/BTEX plumes are co-mingled under Yolanda Avenue. The shallow groundwater gradient at the site is variable, but generally flows "away from a high point (at B-28) in a northeast to southwest direction" (EGS, June 26, 2014).

The highest levels of TPH-Gas/BTEX in the Hulsman plume are in shallow groundwater located on the southern border of the site in the UST source area next to Yolanda Avenue.

During the most recent monitoring event, in March/April 2015, the highest concentration of TPH-g was 6,300 ppb in MW-3s and the highest concentration of benzene was 540 ppb in B-15.

Since 2012, deeper groundwater from monitoring well MW-3d, screened from 30-35 feet bgs and located in the gasoline UST source area, contains around 200 ppb TPH-gasoline and low levels of BTEX and MTBE.

Free product has not been observed in any of the monitoring wells. The Hulsman plume appears to be stable and defined, although its downgradient margin is likely comingled with the Malm UST plume under Yolanda Avenue southwest of the Hulsman site.

#### Remediation-

As described above, the UST systems were removed and impacted soil was overexcavated in the area of the diesel and gasoline USTs.

In 2013, 10 air sparge wells were installed along the southern border of the property to remediate groundwater in the area of the gasoline UST. Eight shallow and two deeper wells were installed to depths of 27 and 40 feet bgs, respectively. Although the system was originally proposed to inject ozone, ozone was never used, based on bench test results.

The air sparging system began operating in March 2014 and was turned off during the fall of 2014. Rebound monitoring was conducted in April 2015. Although, concentrations of COCs declined during sparging operation, the April monitoring results indicate levels of petroleum hydrocarbons in groundwater rebounded to concentrations detected prior to treatment.

#### Sensitive Receptors-

Several sensitive receptor surveys were conducted for adjacent sites (Malm Fireplaces and Malm Metals UST Spill) and numerous domestic wells were identified in the area. Many of the identified domestic wells have reportedly been destroyed as part of the investigation of the Malm Fireplaces and Malm Metals UST Spill sites. Reportedly, 7 domestic wells were destroyed south and east of the Malm Metal UST Spill site in 2000 and 2005 and 6 domestic wells located on Yolanda Avenue were destroyed as part of the Malm Fireplace investigation.

An updated sensitive receptor was completed for the Hulsman site in 2016. EGS' November 25, 2016 SRS reports the existence of three active domestic wells within 500 feet of the Hulsman plume boundary. These include the Hulsman on-site well (325 Yolanda Avenue) and two wells north of the plume located at 2612 and 2620 Santa Rosa Avenue.

Groundwater collected from the Hulsman on-site domestic well has been tested four times between 1989 and 2016. The results indicate that site contaminants have not impacted the well.



The two domestic wells identified on Santa Rosa Avenue are upgradient of the Hulsman plume. Testing of shallow groundwater from intervening groundwater monitoring wells, MW-4 for the Hulsman site and B-25 for the Malm Metal UST site, which are located between the UST source areas and the domestic wells, show non-detect to very low level concentrations of hydrocarbons since groundwater monitoring began in 2004 (MW-4) and 2001 (B-25). Therefore, based on the groundwater monitoring data, the three active wells identified within 500 feet of the Hulsman site do not appear to be vulnerable to migration of the co-mingled Hulsman and Malm Metal groundwater plume under Yolanda Avenue.

EGS reports that residents and businesses in the area, with the exception of the Hulsman property, are served by City of Santa Rosa municipal supply. No surface water bodies or other sensitive receptors (day cares, schools) were identified within 1,000 feet of the site.

#### Evaluation of the Site under the LTCP- General Criteria-

The site meets the general criteria of the LTCP.

#### Groundwater Specific Criteria-

The site does not strictly meet groundwater-specific criteria 1 through 4 due to the presence of an onsite domestic water supply well located less than 250 feet from the plume boundary. However, based on groundwater monitoring and the results of EGS' November 2016 SRS, it appears that the Hulsman groundwater plume, which is relatively stable and defined and mainly underlies Yolanda Avenue, does not pose a threat to existing domestic wells. In addition, the plume is expected to decline in size and concentration over time. Therefore, staff has determined that this site meets groundwater specific criteria 5 of the LTCP.

#### Petroleum Vapor Intrusion to Indoor Air-

A site specific vapor intrusion investigation was completed at the site in August 2016. The area targeted for investigation was the UST source area and gasoline BTEX plume. Although benzene was detected in soil vapor at levels ranging from 35 to 57 ug/m<sup>3</sup> (the residential screening level for benzene is 48.5 ug/m<sup>3</sup>), the soil gas results meet criteria b., Scenario 4 (1 of 2) and (2 of 2) of the LTCP.

#### Direct Contact and Outdoor Air Exposure-

Staff reviewed the available boring logs for evidence of hydrocarbon impacts at depths to 10 feet. There is evidence of hydrocarbon odor at 15 feet below ground surface (bgs) in MW-3, 16 feet bgs in RW-7, and 12 to 20 feet bgs in RW-6 (all depths were below the water table). Staff also reviewed soil results from 0 to 10 feet bgs in EGS's March 3, 2016 site evaluation for case closure report, Table 5, "Historical Summary of Analytical Results for (Hulsman) Site Soil Samples". Based on our review, staff determined that the site meets the direct contact and outdoor air exposure criteria 3 (a). However, due to the large size of the property, the absence of soil sampling outside of source areas, and the long term use of the property as a trucking storage and repair facility, we recommend that a soil and groundwater management plan be prepared prior to site closure for implementation during site redevelopment.

Recommendations-

Staff recommends that this site be closed under the LTCP. Prior to our concurrence with site closure, however, I recommend submittal of a soil and groundwater management plan to be used during redevelopment of the site.

---

## North Coast Regional Water Quality Control Board

January 24, 2017

Mr. James Hulsman  
1914 232<sup>nd</sup> Place, NE  
Sammamish, WA 98074  
[jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)

Dear Mr. Hulsman:

Subject: Proposal for Requiring No Further Action

Site: Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, CA;  
Case No. 1TSR050

Regional Water Board staff determined that the underground storage tank cleanup site identified above meets the closure criteria of the State Water Resources Control Board's "Low-Threat Underground Storage Tank Case Closure Policy" (Policy). Note that case closure does not necessarily mean all contamination has been remediated, but rather that this agency would not require further work regarding the contamination.

Please generate and provide to this office the mailing list for the requisite public noticing and 60-day public comment period. The Policy requires notification of:

- 1) Municipal and county water districts, water replenishment districts, special act districts with groundwater management authority,
- 2) Agencies with authority to issue building permits for land affected by the petroleum release, and
- 3) All owners and occupants of the property impacted by the petroleum release (site), and the occupants of all parcels adjacent to and across Yolanda Avenue from the site.

After you provide a complete mailing list, we will issue the public notice. A copy of the public notice will be sent to you when issued.

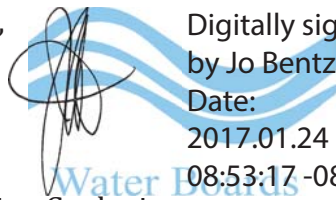
Before case closure can be completed, a soil and groundwater management plan to be used during future site re-development needs to be submitted for our review and concurrence. In addition, monitoring and remediation wells installed as part of the investigation of this site will need to be decommissioned in accordance with the California Department of Water Resources Well Standards (DWR Bulletins 74-81 and 74-90). Please submit to this office a brief workplan (e.g., letter plan) for the destruction of the wells. You will also need to obtain the proper permit from the Sonoma County Environmental Health Division. Do not proceed with the well decommissioning until the public notice period has ended and you receive concurrence with the workplan from Regional Water Board staff.

In summary, please submit the following to proceed with case closure:

- 1) A mailing list for public noticing, as requested above,
- 2) A soil and groundwater management plan, and
- 3) A monitoring and remediation well destruction workplan.

If you have any questions, please contact me at (707) 576-2838 or [Jo.Bentz@waterboards.ca.gov](mailto:Jo.Bentz@waterboards.ca.gov).

Sincerely,



Digitally signed  
by Jo Bentz  
Date:  
2017.01.24

Jo Bentz  
Engineering Geologist

170124\_JLB\_er\_Hulsman\_Pre-closure

cc: Santa Rosa Fire Department, [Gbuckheit@srcity.org](mailto:Gbuckheit@srcity.org)  
Mr. John Calomiris, Edd Clark & Associates, [JohnC@eddclarkandassociates.com](mailto:JohnC@eddclarkandassociates.com)  
Mr. David Bush, EGS, [dbush@egsconsultants.com](mailto:dbush@egsconsultants.com)  
Ms. Leslye Choate, Sonoma County Environmental Health Division,  
[leslye.choate@sonoma-county.org](mailto:leslye.choate@sonoma-county.org)  
Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)  
Mr. Jerry Swift, 4428 15th Place, Yuma, AZ 95364



## STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER

## CASE SUMMARY

|                                 |  |
|---------------------------------|--|
| <u>REPORT DATE</u><br>9/23/1982 | <u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u><br>N |
|---------------------------------|--|

|   |                                     |
|---|-------------------------------------|
| <b><u>I. REPORTED BY -</u></b><br>UNKNOWN | <b><u>CREATED BY</u></b><br>UNKNOWN |
|---|-------------------------------------|

### **III. SITE LOCATION**

|  |                                      |
|--|--------------------------------------|
| <u>FACILITY NAME</u><br>HULSMAN TRANSPORTATION COMPANY                                 | <u>FACILITY ID</u>                   |
| <u>FACILITY ADDRESS</u><br>325 YOLANDA AVENUE<br>SANTA ROSA, CA 95404<br>SONOMA COUNTY | <u>ORIENTATION OF SITE TO STREET</u> |
|  | <u>CROSS STREET</u>                  |

### **V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN**

GASOLINE

### **VI. DISCOVERY/ABATEMENT**

#### DATE DISCHARGE BEGAN

| <u>DATE DISCOVERED</u> | <u>HOW DISCOVERED</u> | <u>DESCRIPTION</u>                             |
|------------------------|-----------------------|--|
| 9/23/1982              | Tank Closure          | Tank Removal due to Impacted Water Supply Well |
| <u>DATE STOPPED</u>    | <u>STOP METHOD</u>    | <u>DESCRIPTION</u>                             |
| 9/23/1982              | Close and Remove Tank | Tank Removed.                                  |

### **VII. SOURCE/CAUSE**

|                                    |  |
|------------------------------------|--|
| <u>SOURCE OF DISCHARGE</u><br>Tank | <u>CAUSE OF DISCHARGE</u><br>Corrosion |
|------------------------------------|--|

DISCHARGE DESCRIPTION  
Impact to soil and groundwater.

### **VIII. CASE TYPE**

CASE TYPE  
Aquifer used for drinking water supply  
Soil  
Well used for drinking water supply

### **IX. REMEDIAL ACTION**

| <u>REMEDIAL ACTION</u> | <u>BEGIN DATE</u> | <u>END DATE</u> | <u>DESCRIPTION</u> |
|------------------------|-------------------|-----------------|--------------------|
| Excavation             | 12/18/1991        | 12/18/1991      |                    |

### **X. GENERAL COMMENTS**

Two former diesel USTs and one former gasoline tank. All tanks removed and overexcavated. A and B zone groundwater impacts investigated. Main area of groundwater contamination is under Yolanda Avenue and is commingled with Malm Metal (Gas-spill) plume. Downgradient receptors, i.e. water supply wells, either properly destroyed or not affected by release. Site closed with soil and groundwater management plan due to likely redevelopment into commercial properties.

### **XI. CERTIFICATION**

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN  
IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

**XII. REGULATORY USE ONLY**LOCAL AGENCY CASE NUMBERREGIONAL BOARD CASE NUMBER

1TSR050

**LOCAL AGENCY**CONTACT NAMEINITIALSORGANIZATION NAMEEMAIL ADDRESS

LOCAL PERMIT WORKER SANTA ROSA

SANTA ROSA, CITY OF

ADDRESSCONTACT DESCRIPTION

625 5th Street

SANTA ROSA, CA 95404

PHONE TYPEPHONE NUMBEREXTENSION

FAX

(707)-524-5070

PHONE

(707)-543-3500

**REGIONAL BOARD**CONTACT NAMEINITIALSORGANIZATION NAMEEMAIL ADDRESS

REGIONAL WATER BOARD SITE CLOSED ZZZ

NORTH COAST RWQCB (REGION 1) craig.hunt@waterboards.ca.gov

ADDRESSCONTACT DESCRIPTION

5550 SKYLANE BOULEVARD, SUITE A

SANTA ROSA, CA 95403

PHONE TYPEPHONE NUMBEREXTENSION

MAIN PHONE

(707)-576-2220

MAIN FAX

(707)-523-0135

[Back to Top](#)[Conditions of Use](#)[Privacy Policy](#)[Accessibility](#)[Contact Us](#)

Copyright © 2015 State of California

# STATE WATER RESOURCES CONTROL BOARD GEOTRACKER



HULSMAN TRANSPORTATION COMPANY (T0609700572) - [\(MAP\)](#)

[SIGN UP FOR EMAIL](#)

325 YOLANDA AVENUE  
SANTA ROSA, CA 95404  
SONOMA COUNTY  
[LUST CLEANUP SITE \(INFO\)](#)  
[PRINTABLE CASE SUMMARY](#) / [CSM REPORT](#)

**CLEANUP OVERSIGHT AGENCIES**  
NORTH COAST RWQCB (REGION 1) ([LEAD](#)) - CASE #: 1TSR05  
**CASEWORKER:** [REGIONAL WATER BOARD SITE CLOSE](#)  
**CUF Claim #:**  
**CUF Priority Assigned:**  
**CUF Amount Paid:**

[Summary](#) [Case Reviews](#) [Cleanup Action Report](#) [Regulatory Activities](#) [Environmental Data \(ESI\)](#) [Site Maps / Documents](#) [Community Involvement](#) [Related Cases](#) [LUST CUF Data](#)

## Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

### CLEANUP STATUS - DEFINITIONS

**COMPLETED - CASE CLOSED AS OF 6/26/2017** - [CLEANUP STATUS HISTORY](#)

### POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE

### POTENTIAL MEDIA OF CONCERN

AQUIFER USED FOR DRINKING WATER SUPPLY, SOIL, WELL USED FOR DRINKING WATER SUPPLY

### FILE LOCATION

REGIONAL BOARD

### USER DEFINED BENEFICIAL USE

GW - GROUNDWATER RECHARGE, SW - AGRICULTURAL MUN, AGR, IND, PROC, FRSH, CUL SUPPLY, SW - MUNICIPAL AND DOMESTIC SUPPLY

### DESIGNATED BENEFICIAL USE(S) - DEFINITIONS

### DWR GROUNDWATER SUB-BASIN NAME

Santa Rosa Valley - Santa Rosa Plain (1-055.01)

### CALWATER WATERSHED NAME

Russian River - Middle Russian River - Laguna (114.21)

### GROUNDWATER MONITORING FREQUENCY

# OF WELLS MONITORED - SEMI-ANNUALLY : 5

## Site History

Two former diesel USTs and one former gasoline tank. All tanks removed and overexcavated. A and B zone groundwater impacts investigated. Main area of groundwater contamination under Yolanda Avenue and is commingled with Malm Metal (Gas-spill) plume. Downgradient receptors, i.e. water supply wells, either properly destroyed or not affected by release. Site closed with soil and groundwater management plan due to likely redevelopment into commercial properties.

[Back to Top](#)

[Conditions of Use](#)

[Privacy Policy](#)

[Accessibility](#)

[Contact Us](#)

Copyright © 2015 State of California

**From:** Lowenthal, Paul  
**To:** [Bentz, Jo@Waterboards](mailto:Bentz_Jo@Waterboards)  
**Cc:** [Cook, Andrew](mailto:Cook_Andrew)  
**Subject:** RE: SGMP for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa  
**Date:** Monday, February 13, 2017 7:01:28 AM

---

Hi Jo,

What you've proposed sounds great and I'm good with it. We will be happy to ensure the SGMP is conditioned into their permit to build and we will hold them accountable for it.

Paul

**Paul Lowenthal | Assistant Fire Marshal**

Santa Rosa Fire Department | 2373 Circadian Way | Santa Rosa, CA 95407  
Tel. (707) 543-3542 | Fax (707) 543-3520 | [plowenthal@srcity.org](mailto:plowenthal@srcity.org)



---

**From:** Bentz, Jo@Waterboards [mailto:Jo.Bentz@waterboards.ca.gov]  
**Sent:** Thursday, February 09, 2017 4:14 PM  
**To:** Lowenthal, Paul <PLowenthal@srcity.org>  
**Subject:** SGMP for Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa

Hi Paul-

I hope you are well, I haven't contacted you for a long time.

I am reviewing a SGMP for the Hulsman Transportation site in south Santa Rosa. The link to the SGMP on Geotracker is below-

[http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/7792692720/T0609700572.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7792692720/T0609700572.PDF)

It is a typical UST site (2-diesel USTs and 1- gasoline UST removed). TPH-g and benzene in groundwater are the main COCs. My understanding is that the site is currently being sold and is likely to be re-developed into a big box commercial development in the future.

The RWB is in the process of closing this site because it meets criteria of the SWRCB's Low Threat Closure Policy for USTs. I requested submittal of a SGMP before closure because of the large size of the property, the former USTs, a long history of use of the site as truck repair and storage, and the likelihood of future re- development. Currently, the site is mostly vacant with one large warehouse and a few smaller structures.



I don't know if you want to review the SGMP or just have me review it and concur with it (after suggested revisions) and then make it part of the file record. During redevelopment, since it is in the city limits, the SRFD will likely be involved with the re-development.

The consultant who wrote the SGMP, EGS, is using SF Bay , RWCQB "Environmental Screening Levels" (ESLs) as soil "cleanup goals". Craig said he spoke to you about using ESLs, which for the purposes of soil screening during re-development, should be protective of human health and the environment. However, I know the SFRD may or could have additional requirements.

I am still reviewing the SGMP, and will be submitting email comments to EGS, the consultant, for revision. Please let me know if you would like to review it and submit comments also.

Thanks- Jo

Jo Bentz  
North Coast Regional Water Quality Control Board  
5550 Skylane Blvd., Suite A  
Santa Rosa, CA 95403  
Direct phone- (707) 576-2838  
[Jo.bentz@waterboards.ca.gov](mailto:Jo.bentz@waterboards.ca.gov)

**From:** [Bentz, Jo@Waterboards](mailto:Bentz_Jo@Waterboards)  
**To:** [Lowenthal, Paul \(PLowenthal@srcity.org\)](mailto:Lowenthal_Paul@srcity.org); [Moon, Scott \(SMoon@srcity.org\)](mailto:SMoon@srcity.org)  
**Subject:** SGMP for 325 Yolanda Avenue, Santa Rosa  
**Date:** Tuesday, May 16, 2017 12:08:00 PM

---

Hello Paul and Scott-

Below is a link to a Soil and Groundwater Management Plan for the Hulsman Transportation site located at 325 Yolanda Avenue in Santa Rosa. The RWB is in the process of closing the UST case at this address. The property is currently being sold and commercial redevelopment is likely.

This is a large lot (5.5 acres) and has a long history of use for truck maintenance, repair and storage, in addition to the USTs. Therefore, as a condition of site closure, the RWB required submittal of a SGMP.

I just concurred with the SGMP and it has been uploaded to Geotracker at-

[http://geotracker.waterboards.ca.gov/esi/uploads/geo\\_report/4525223016/T0609700572.PDF](http://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4525223016/T0609700572.PDF)

I communicated with Paul before I started my reviews on the SGMP and he deferred to the Water Board for review and approval of the SGMP. The SGMP does indicate that the SRFD, and RWB, will require implementation of the plan during redevelopment. I informed the current property owners that SRFD may also require a soil/GW remediation permit before grading.

I wanted you to know about the completion of the SGMP if and when this project comes onto your radar.

Let me know if you have any questions or concerns-

Thanks- Jo

Jo Bentz  
North Coast Regional Water Quality Control Board  
5550 Skylane Blvd., Suite A  
Santa Rosa, CA 95403  
Direct phone- (707) 576-2838  
[Jo.bentz@waterboards.ca.gov](mailto:Jo.bentz@waterboards.ca.gov)



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSconsultants.com

Office: 707-528-0810  
Fax: 707-528-1956

**REPORT:**  
**March 31 / April 1, 2015 Rebound Groundwater Monitoring  
and Remediation System Status  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB Case No. 1TSR050**

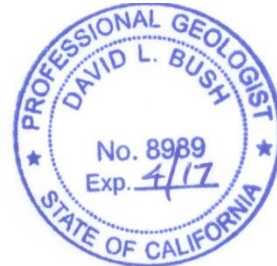
Prepared for:

Hulsman Transportation  
P.O. Box 423  
Santa Rosa, CA 95402

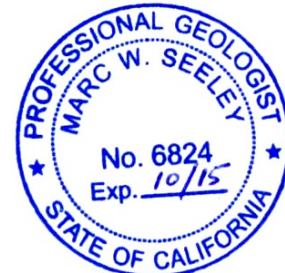
Prepared by:

**Environmental Geology Services, Inc.  
1695 Willowside Road  
Santa Rosa, CA 954010**

David L. Bush, PG 8989  
Senior Project Geologist



Marc W. Seeley, PG 6824  
Principal Geologist



**May 6, 2015**  
Project #451.0711

**TABLE OF CONTENTS**

Executive Summary. . . . . -1-

Background.. . . . -3-

Scope of Work. . . . . -5-

March 31 / April 1, 2015 Rebound Groundwater Monitoring Event. . . . . -5-

    Monitoring Well Sampling. . . . . -5-

    Groundwater Gradient.. . . . -6-

Laboratory Analysis.. . . . -6-

Purged Groundwater and Waste Disposal. . . . . -6-

Geotracker Compliance. . . . . -6-

Findings. . . . . -7-

Conclusions. . . . . -8-

Remediation System Status. . . . . -9-

Recommendations. . . . . -9-

Limitations.. . . . -10-

- Attachments:
- Plate 1: Site Location Map
  - Plate 2: March 31 / April 1, 2015 Shallow Groundwater Gradient Map
  - Plate 3: TPH-G and BTEX Analytical Results
- Tables 1 through 3  
 Historic Concentration Trend Charts 1 through 12  
 Monitoring Well Sampling Data Sheet  
 Analytical Laboratory and QA/QC Report dated April 14, 2015  
 Analytical Laboratory and QA/QC Report dated April 14, 2015

Via State GeoTracker Database: Ms. Jan Goeble, NCRWQCB, 5550 Skylane Blvd., Ste. A,  
 Santa Rosa, CA 95403

USTCF

Via E-mail: Mr. Jim Hulsman, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)  
 Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)

## **EXECUTIVE SUMMARY**

This report has been prepared at the request of Mr. Jim Hulsman and Mr. Paul Hulsman, Hulsman Transportation (Client, RP), by Environmental Geology Services, Inc. (EGS), Santa Rosa, California, in continued accordance with our Professional Services Agreement (PSA) dated August 27, 2013.

EGS has prepared this report describing the sampling procedures and analytical results of the March 31 / April 1, 2015 Rebound Groundwater Monitoring event at the subject site located at 325 Yolanda Avenue, Santa Rosa, CA (North Coast Regional Water Quality Control Board, NC-RWQCB, Case No 1TSR050).

This monitoring event analyzed contaminants of concern including residual petroleum hydrocarbon related compounds after the air sparging remedial system at the site was turned off to determine if residual petroleum related contamination would rebound. The air sparging system was operated from May 2014 through mid-November 2014, and residual concentrations of petroleum hydrocarbon contaminants significantly reduced during groundwater monitoring while the system was in operation.

Based on the analytical results detected during this rebound event (after the system was off for approximately 4 months), elevated concentrations of residual gasoline (TPH-G), as well as lower concentrations of other associated compounds (BTEX), were present in shallow groundwater beneath the southern portion of the subject site (area of former UST) in wells MW-3s, B-15, B-16, B-17, and B-27. The concentrations were generally similar to those detected prior to operation of the air sparging system. There were no detections of TPH-G and BTEX monitoring wells MW-1s, MW-2s, and MW-4, and only a very minor detection of TPH-G in the deeper groundwater monitoring well MW-3d during this monitoring event, with no BTEX compounds detected in this well.

Based on the analytical results of groundwater samples collected from the related site monitoring wells, it appears that the residual gasoline contaminant plume had significantly diminished during to the operation of the air sparging system at the site, but have since rebounded after the system was turned off. It is our opinion that the system did not operate for a long enough time frame to more fully degrade the residual contaminant plume.

This monitoring event was *not* scheduled to coincide with the groundwater monitoring performed by Edd Clark & Associates (ECA) related to the UST Investigation at 2640 Santa Rosa Avenue (NC-RWQCB Case #1TSR256). We understand that the adjacent site has requested closure evaluation under the Low-Threat Closure Policy (LTCP), and “to conserve limited amount of money remaining in the site’s Cleanup Fund Claim, site work should be stopped until the site is evaluated for closure.”

Analytical results from the September 2014 coordinated monitoring effort continued to identify residual “hot spots” located in the area of B-27 for the subject site, and in the areas of DPE-1, EW-3, EW-6, and B-30 for the adjacent site. The highest detections of TPH-G during that monitoring event (as well as previous events) resulted in the adjacent site wells DPE-1 and B-30 at concentrations of 22,000 ppb and 10,000 ppb, respectively. Based on our review of analytical results related to the adjacent site, it appears that there remains elevated concentrations of gasoline related constituents in a number of monitoring wells associated with that site, but the impacted areas of that site *appear to be separate* from the impacted areas of the subject site indicating separate residual contaminant plumes that may be converging.

EGS concludes that the plumes are separate based on the concentrations over time in wells B-15 and B-16, and especially in B-16 where concentrations are significantly lower than the “hot spot” on the Hulsman site (B-27) *as well as* the “hot spots” on the adjacent site (DPE-1 and B-30). It appears that the residual contaminant plume associated with the Hulsman site diminishes near B-16 (approximately 100 feet *down gradient* from the area of the former UST at the subject site).

EGS has consulted with Ms. Jan Goeble, case worker with the NC-RWQCB, and has again reviewed the September 2014 USTCF 5-year review. At this time, EGS concludes that active remediation further addressing the secondary source (residual groundwater plume) may be further achieved by continued operation of the air sparging system. It is our opinion that the system was not operated for a long enough time frame to fully degrade the residual groundwater contamination at the site. However, based on the concentrations of residual contaminants remaining in groundwater, concentrations of benzene at this site are well below the 3,000 ppb criteria established in the State’s LTCP. It is our opinion that the residual contaminant plume at this site is no greater than 150 feet (distance from MW-3s to the adjacent site well DPE-1).

EGS recommends the North Coast Regional Water Quality Control Board again consider case closure for this site in accordance with the State’s Low-Threat Closure Policy (LTCP). If the NC-RWQCB does not concur with LTCP evaluation at this time, we ask that they provide the RP with a path to case closure so that we may better define the remaining site requirements, if any. Additional groundwater remediation, if determined necessary, should be limited to operation of the existing air sparge system, which was proving effective but did not operate for a long enough time frame.

The following sections of this report provide additional site background and describe the procedures and results of the March / April, 2015 rebound groundwater monitoring event and AOSS status.

## **BACKGROUND**

The subject site is located in an area of Santa Rosa, CA that has mixed industrial, commercial, retail, and a few residences (Plate 1, Site Location Map). The property has historically been used as a truck terminal and repair facility since approximately 1940.

Investigation of soil and groundwater at this site is related to a former 500-gallon underground storage tank (UST) containing older, leaded gasoline which was removed from the site in September 1982. There were also two (2) UST's, one 4,000-gallon and one 8,000-gallon containing diesel fuel removed from the site in October 1988.

However, subsequent investigation and monitoring addresses gasoline and related compounds including BTEX as the constituents of concern (CoCs) at this site.

Based on the age of the former gasoline UST at this site, it is unlikely that this site is a source for the fuel oxygenate MTBE. The State Underground Storage Tank Cleanup Fund (USTCF) in their 5-year Review dated July 22, 2008, has concurred with this assessment.

Based on our review of the subject site, the following items document activities that been completed to characterize residual contamination at the site to date, and prior to the work completed by EGS:

- Herzog & Associates, *Report: Underground Tank Investigation*, February 27, 1989.
- Hilmer Consulting, Inc., *Report: Preliminary Environmental Assessment*, July 16, 1990.
- Sierra Environmental Sciences, *Report: Soil Remediation and Monitoring Well Installation*, June 8, 1992.
- Edd Clark & Associates, Inc., *Report: Soil and Groundwater Investigation*, November 2, 1998.
- Edd Clark & Associates, Inc., *Remedial Investigation*, August 2001.
- ECON, *Summary Report: Monitoring Well Installation and Groundwater Monitoring*, November 25, 2001.
- ECON, *Corrective Action Plan*, April 2, 2004.
- ECON, *Revised Corrective Action Plan*, August 16, 2004.
- ECON, *Summary Report: Groundwater Investigation and Well Installation*, March 14, 2005.

There have been numerous soil borings advanced and monitoring wells installed on the subject site. The results of which indicate that the residual contamination is limited to the south-southwest portion of the subject site and beneath Yolanda Avenue.

The site had been infrequently monitored with regard to groundwater since the time of the

UST removal in 1982 through 2010. The NC-RWQCB directed active remediation at this site, and although a Corrective Action Plan (CAP) had been prepared by the previous consultant for Hulsman Transportation, the NC-RWQCB deemed that CAP incomplete and requested additional information prior to approval in their August 26, 2010 letter.

It appears that the shallow subsurface has been fairly well defined at this site to depths of 15 feet bgs. EGS did not locate a completed Sensitive Receptor Survey for this site, although a SRS has been completed at the adjacent to the southwest. The historical groundwater gradient appears to be in a southeast to southwest direction, although it varies significantly and can be to the north-northwest, with a hydraulic high point being located around monitoring well B-28 of the adjacent site (Plate 2, Shallow Groundwater Gradient Map).

EGS was retained by Hulsman Transportation in August 2011 to continue the UST Investigation in an effort to move this site toward case closure. Since that time we have completed four (4) groundwater monitoring events, located and repaired the buried monitoring well B-15, replaced the damaged Christy boxes for wells MW-4 and B-27, submitted UST Cleanup Fund reimbursement claims for the Client, and prepared and submitted the June 26, 2012 FSCAP for the site.

Additionally, EGS completed a Bench Scale Test to determine the approach best suited to remediate the residual contamination but to attempt to limit the production of adverse additional analytes by sparging. EGS concluded, based on the results of the Bench Scale Test (report dated April 23, 2013), that air sparging would be the best remedial approach at this site.

Hulsman Transportation authorized EGS to implement the FSCAP at the subject site, upon approval of our FSCAP and Bench Test report by the NC-RWQCB, in accordance with our August 27, 2013 PSA. Since that time, EGS installed ten (10) remedial sparge wells (December 2013), completed the Pilot Study (March 2013), completed the baseline groundwater monitoring event (March 2014), installed the AOSS and subsurface conduits and connected the wells to the system (April 2014), and started up and began operation of the AOSS in late April/early May 2014.

We completed the two Quarter monitoring events in June and September 2014 which resulted in significantly decreased concentrations of residual contamination at the site. Based on the initial, although short term results, of the AOSS operation, we requested rebound monitoring. The following sections of this report present the work conducted for the March 31 / April 1, 2015 Rebound Groundwater Monitoring Event, status of the remediation system, and our conclusions and recommendations for this site. This monitoring event included all associated monitoring wells at this site, and included additional compounds analyzed related to operation of a groundwater remediation system.



## **SCOPE OF WORK**

The scope of work to implement the March 31 / April 1, 2015 Rebound Groundwater Monitoring Event consisted of the following:

- Project Management;
- March 31 / April 1, 2015 Rebound Groundwater Monitoring Event;
- Laboratory Analysis, including additional analytes;
- Waste Disposal;
- Geotracker Compliance;
- Preparation of report of findings including our conclusion and recommendations.

Details of these tasks are presented in the following sections of this report.

## **MARCH 31 / APRIL 1, 2015 REBOUND QUARTERLY GROUNDWATER MONITORING**

### **Monitoring Well Sampling**

Monitoring wells MW-1s, MW-2s, MW-3s, MW-3d, MW-4, B-15, B-16, B-17, and B-27 were monitored on March 31 / April 1, 2015. EGS' Geologist measured depth to static water level to determine the groundwater gradient, and the depth to the bottom of each well casing to calculate the minimum amount of water to be purged from each well (3 well volumes). Groundwater was purged from the wells using an electric purge pump at low flow (rate of approximately 1 gpm). Water quality parameters were measured including temperature, pH, DO, and TDS, and were recorded during low flow purging and documented on attached monitoring well sampling data sheets.

Groundwater samples were collected directly from the discharge point of the pump after water quality characteristics stabilized. Groundwater was decanted into laboratory supplied containers necessary for each EPA Test Method completed.

The groundwater samples were labeled, logged onto a chain of custody form, and placed in an ice chest containing frozen "blue ice" for transport to our State Certified analytical laboratory. Analytical testing methods for the groundwater samples are described in a following section of this report.

### **Groundwater Gradient**

EGS determined a general southeast to southwest shallow groundwater gradient during this monitoring event (Plate 2).

## **Laboratory Analysis**

Groundwater samples collected from the monitoring wells during this event were transported to our subcontracted State Certified analytical laboratory, Analytical Sciences, in Petaluma, California. The groundwater samples were analyzed for the following:

- TPH-G by EPA Test Method 8015B
- BTEX, oxygenates and other VOC's by EPA Test Method 8260B
- Selenium (Se) by EPA Test Method 200.9
- Chromium (Cr), Molybdenum (Mo), and Vanadium (V) by EPA Test Method 6010B
- Bromate (Br+) and Bromide (Br-) by EPA Test Method 300.1
- Hexavalent Chromium (Cr-6) by EPA Test Method 218.6

The Analytical Laboratory Report and QA/QC Reports dated April 14, 2015 are attached to this report.

The results of these analysis are summarized in the following sections of this report, on the attached TPH-G and total BTEX analytical results map for the shallow aquifer (Plate 3), in the attached Tables 1 through 4, and on the historic concentration trend Charts 1 through 12 attached to this report.

## **Purged Groundwater and Waste Disposal**

Groundwater purged from the monitoring wells during the sampling activities were retained in 55-gallon covered steel drums. The drums were labeled as to the content and date, and stored onsite until disposal. EGS will submit documentation to the NC-RWQCB upon completion of proper hauling and disposal of these drums.

## **GEOTRACKER COMPLIANCE**

Environmental Geology Services, Inc. has been designated as the Authorized Agent for this site, and has uploaded all data related to this UST Investigation to the State Geotracker database. EGS has reviewed site data related to this site on GeoTracker, and notes that historic data for this investigation has been uploaded to the system including X, Y, and Z files (Geo\_X, Geo\_Y, and Geo\_Z), field point names for the monitoring wells, and Geo\_Reports.

Data has been submitted to the State database associated with this Groundwater Monitoring including, well elevation data (Geo\_Well), EDF File, and this report (Geo\_Report). We will continue to include a section informing the NC-RWQCB of the Geotracker status in future reports related to this UST Investigation.

## **FINDINGS**

The following presents a narrative of the results for the March/April 2015 Rebound Groundwater Monitoring, which is the monitoring event completed after November 2014 AOSS shut down and rebound period. Tables 1 through 4 attached to this report present the current and historical results of Groundwater Monitoring at this site.

### ▶ TPH-G

Total petroleum hydrocarbon as gasoline (TPH-G) was detected during this monitoring event in wells MW-3s, B-15, B-16, B-17 and B-27 at concentrations similar to those prior to AOSS operation as follows:

Monitoring well MW-3s had a detection of 6,600 ppb of TPH-G prior to system start-up in March 2014 and TPH-G was detected at a concentration of 6,300 ppb during this event. The concentration decreased to 230 ppb during the September 2014 event while the AOSS was in operation.

TPH-G decreased in monitoring well B-15 from 1,100 ppb in March 2014 to non detect in September 2014. The concentration rebounded to 4,300 ppb during this event (concentration lower than both "hot spots" located at the subject site and the adjacent site, indicative of separate plumes).

TPH-G increased slightly in well B-16 from 160 ppb in March 2014 (prior to AOSS operation) to 790 ppb in June 2014, then was not detected in September 2014. TPH-G was detected at a concentration of 1800 ppb in B-16 during this event (concentration lower than both "hot spots" located at the subject site and the adjacent site, indicative of separate plumes).

There was a decrease of TPH-G in B-17 from 2,300 ppb in March 2014 to 420 ppb toward the end of the AOSS operation in September 2014. The current concentration of TPH-G rebounded to 3,200 ppb in B-17.

Monitoring well B-27 also increased from 5,000 ppb in March 2014 to 6,000 ppb in June 2014 during AOSS operation. This well resulted in a concentration of TPH-G during this sampling event of 6,200 ppb.

The deeper groundwater monitoring well, MW-3d, resulted in a very low detection of TPH-G at a concentration of 200 ppb, and there were no detections of TPH-G in wells MW-1s, MW-2s, nor MW-4 during this monitoring event.

▶ BTEX

This monitoring event also resulted in detections of BTEX compounds that were generally similar to concentrations prior to the start up and short operation of the AOSS.

Concentrations of benzene were all significantly below the Low-Threat Closure Policy criteria of 3,000 ppb as follows, and as presented on the concentration trend charts attached to this report: MW-3s at a concentration of 220 ppb, B-15 at 540 ppb, B-16 at 130 ppb, B-17 at 66 ppb, and B-27 at 250 ppb. There were no detections of benzene in wells MW-1s, MW-2s, MW-4, or the deeper well MW-3d during this sampling event.

## **CONCLUSIONS**

EGS has prepared this report describing the sampling procedures and analytical results of the March 31 / April 1, 2015 Rebound Groundwater Monitoring event at the subject site located at 325 Yolanda Avenue, Santa Rosa, CA (North Coast Regional Water Quality Control Board, NC-RWQCB, Case No 1TSR050). This event represented the first groundwater monitoring after the AOSS was turned off to determine if residual concentrations of petroleum hydrocarbon contaminants would rebound after the short, 6 month operation of the AOSS.

The results of groundwater samples collected from monitoring wells MW-3s, B-15, B-16, B-17, and B-27 indicated an overall similar result of residual contamination prior to AOSS start up. However, the concentrations remain lower when comparing the current groundwater concentrations to historic groundwater results since groundwater monitoring was initiated at this site.

Based on the criteria of the LTCP, the residual contaminant plume is less than 250 feet in length, and benzene concentrations are well below 3,000 ppb. Additionally, the residual contaminant plume has remained stable and decreasing at this site over time (refer to attached concentration trend charts). The USTCF issued their 5-year review in September 2014, and stated that their "assessment found that there is no significant risk of petroleum vapors adversely affecting human health."

Included in this report are Tables 1 through 4 that present historic groundwater analytical data. EGS also prepared the attached historic concentration trend charts (Charts 1 through 12) for TPH-G and benzene in selected wells. The charts include the LTCP goal for benzene, and demonstrate stable and downward trends over time for the residual contamination at this site in all wells sampled, which is one of the objectives of gaining site closure in a UST investigation, and according to the LTCP criteria.

Based on our review of the USTCF 5-year review dated September 2014, it appears that this site meets all criteria for case closure by LTCP except that there is a CDPG well listed as being within 1,000 feet of the subject site. Based on our conversations with the USTCF, they have this well listed as Lyle's Tackle Shop, State Well #4900814-001. Based on the location of this well on the State Geotracker Database (only able to be viewed by regulatory personnel), it appears that there may be either 1) incorrect well placement on the database, 2) this well has been removed, or 3) this well has been paved over since the current location places this well in an asphalt paved parking lot. There is no indication of the presence of this well at this time. During our conversation with Ms. Goeble, NC-RWQCB, there is also a concern of a possible well located at 316 Yolanda Avenue that may need to be addressed.

### **Remediation System Status**

The AOSS system operated without issue since the time of the initial start-up, albeit over a short time frame. We did not need to make any repairs, nor did the system leak. We included O&M sheets in previous monitoring reports documenting the AOSS.

EGS will include a section, as needed, in future monitoring reports that will provide the NC-RWQCB a status of the AOSS at this site.

### **RECOMMENDATIONS**

EGS makes the following recommendations for this site at this site:

- We request the NC-RWQCB again consider this case for closure by the Low-Threat Closure Policy based on the stable and decreasing plume over time, the residual plume is less than 250 feet in length, and the USTCF's assessment for potential vapor intrusion did not identify a risk;
- If the NC-RWQCB does not concur with closure by LTCP, we request a response that includes a path to closure for this site so that we may begin to address specific requirements.
- If the NC-RWQCB does not concur with closure by LTCP, we would recommend continued operation of the AOSS for a longer time frame to further degrade the residual contamination at this site.

## **CASE CLOSURE**

Case closure, when issued, will entail removal of the AOSS system, removing the delivery lines from the trenches, abandoning the sparge wells and monitoring wells by over drilling and tremmie grouting (in accordance with Work Plan and drilling permit), and final site restoration. This would be followed by the preparation of a detailed Case Closure Report, documenting the site history, investigation, remediation, and well and AOSS system abandonment. Prior to actual closure we would need to prepare a Case Closure Work Plan, presenting the details of each task. A new Professional Services Agreement would be prepared outlining the costs and schedule, for approval by the RP.

## **LIMITATIONS**

This work has been performed in accordance with generally accepted environmental investigation practices for similar investigations and groundwater sampling conducted at this time and in this geographic area. No other guarantees or warranties, express or implied are provided. Our scope of work did not include a determination of the environmental and public health impact, of known or suspected contamination.

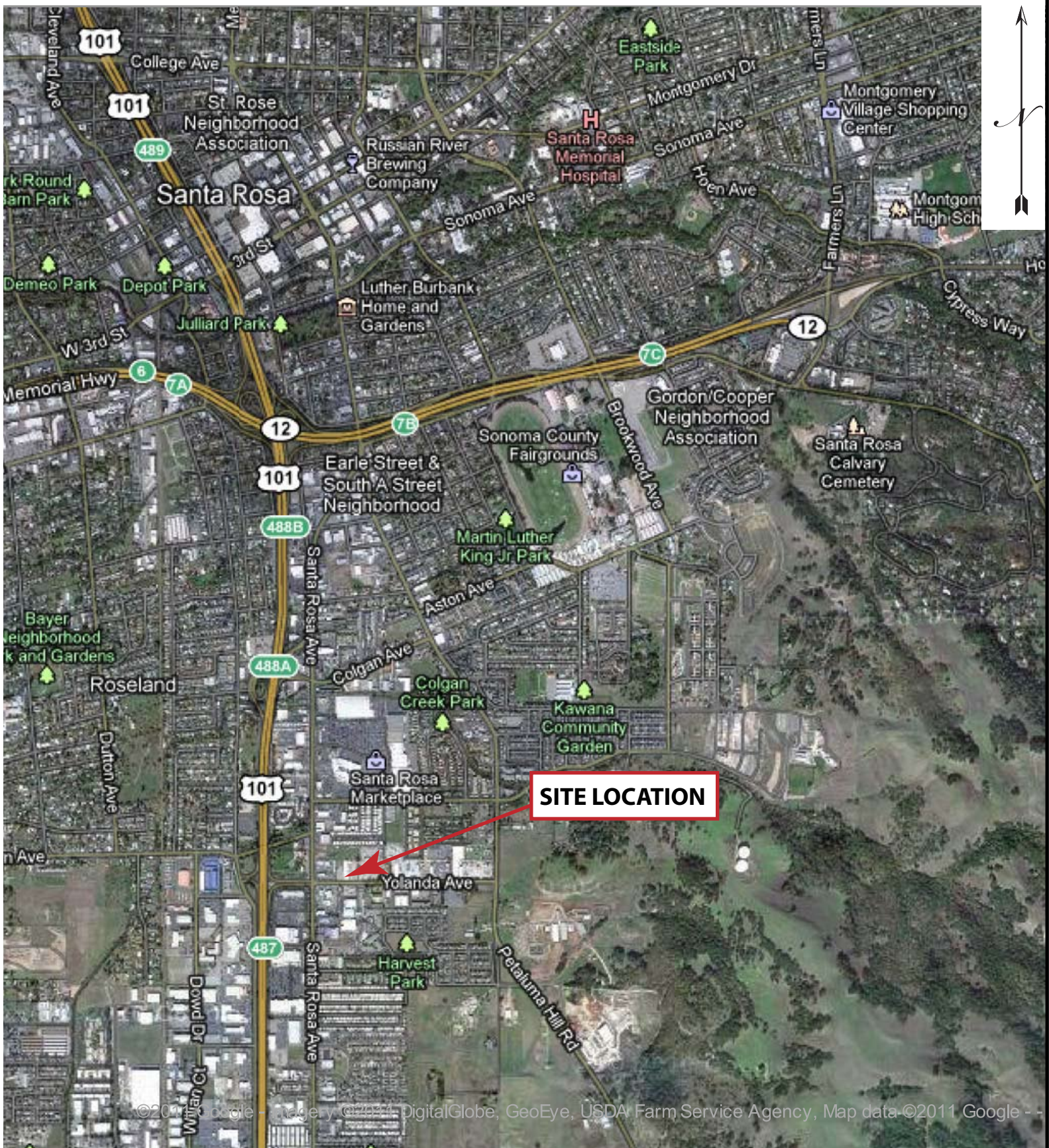
This scope did not include providing a risk assessment. Assumptions made about apparent public health risk are based on limited data and do not constitute a formal assessment of risk. If the Client desires a formal risk assessment, such assessment should be requested as a separate scope of work.

The groundwater sampling and testing program conducted was intended to provide an assessment of groundwater contamination for specific compounds, at specific locations, and depths, and at specific times. The investigation was not exhaustive, and may not have revealed contamination that may be present at locations (lateral or vertical) other than those explored, sampled and analyzed.

Also, this investigation was not intended to predict future on-site or off-site conditions from other potential discharges. It is understood by the parties hereto that the Client who has requested this investigation will use the results for the stated purpose and no other purpose. No other use or disclosure is intended by Consultant.

Client agrees to hold Consultant harmless for any inverse condemnation or devaluation of said property that may result if the Consultant's report or information generated is used for other purposes.

Lastly, this report is issued with the understanding that it is to be used only in its entirety.



©2011 Google - Imagery ©2011 DigitalGlobe, GeoEye, USDA Farm Service Agency, Map data ©2011 Google -

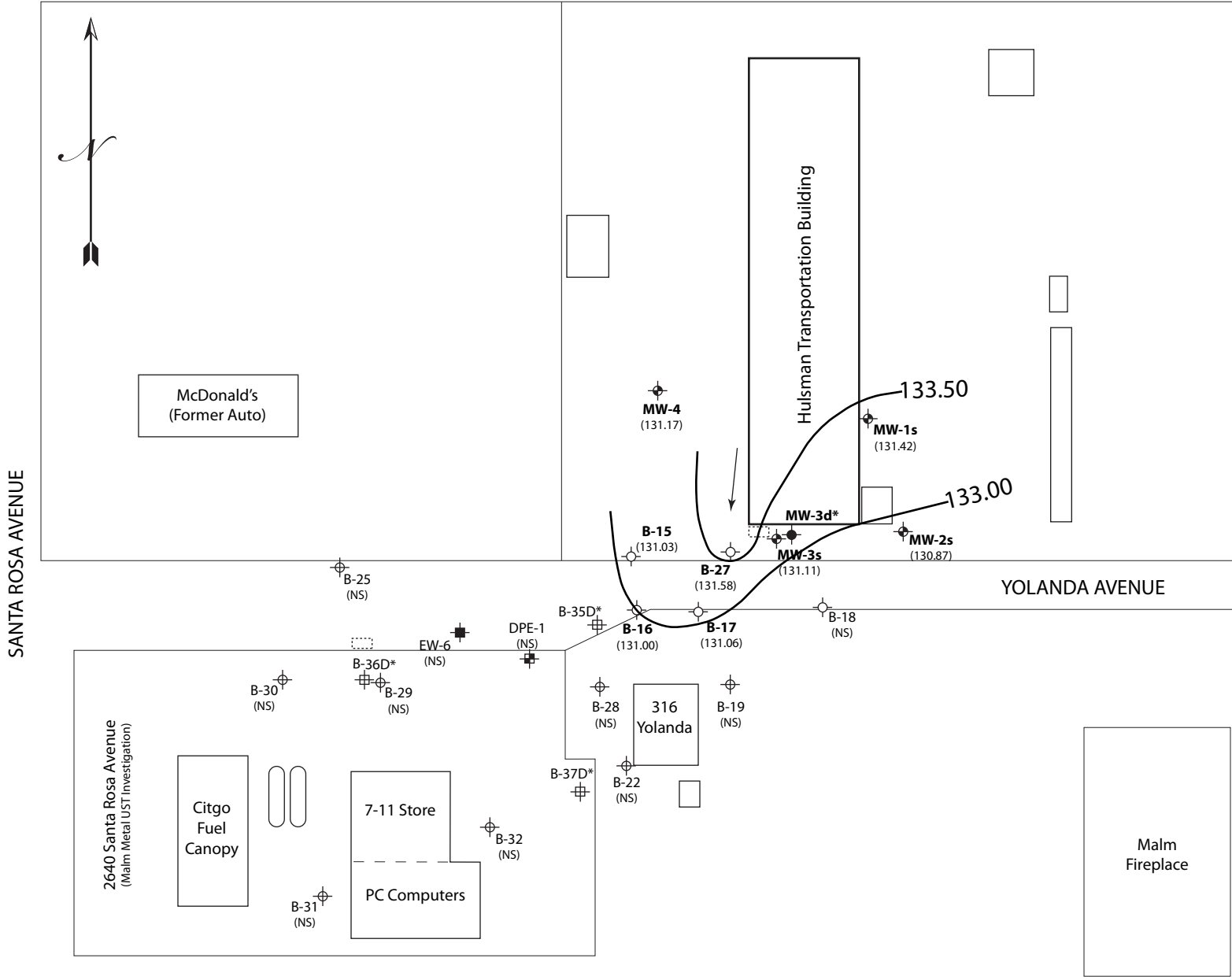


**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California  
Office: 707-528-081C  
Fax: 707-528-1956

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
APR 2015

**SITE LOCATION MAP**  
**UST INVESTIGATION**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

PLATE  
1



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊙ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- \* Monitoring well not included in gradient determination
- ⋯ FORMER UST Location
- ▭ CURRENT UST Location
- ↗ General Groundwater Gradient Direction

**NOTES:** NS = Not Sampled; GWE listed in parentheses adjacent to Well ID



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSconsultants.com

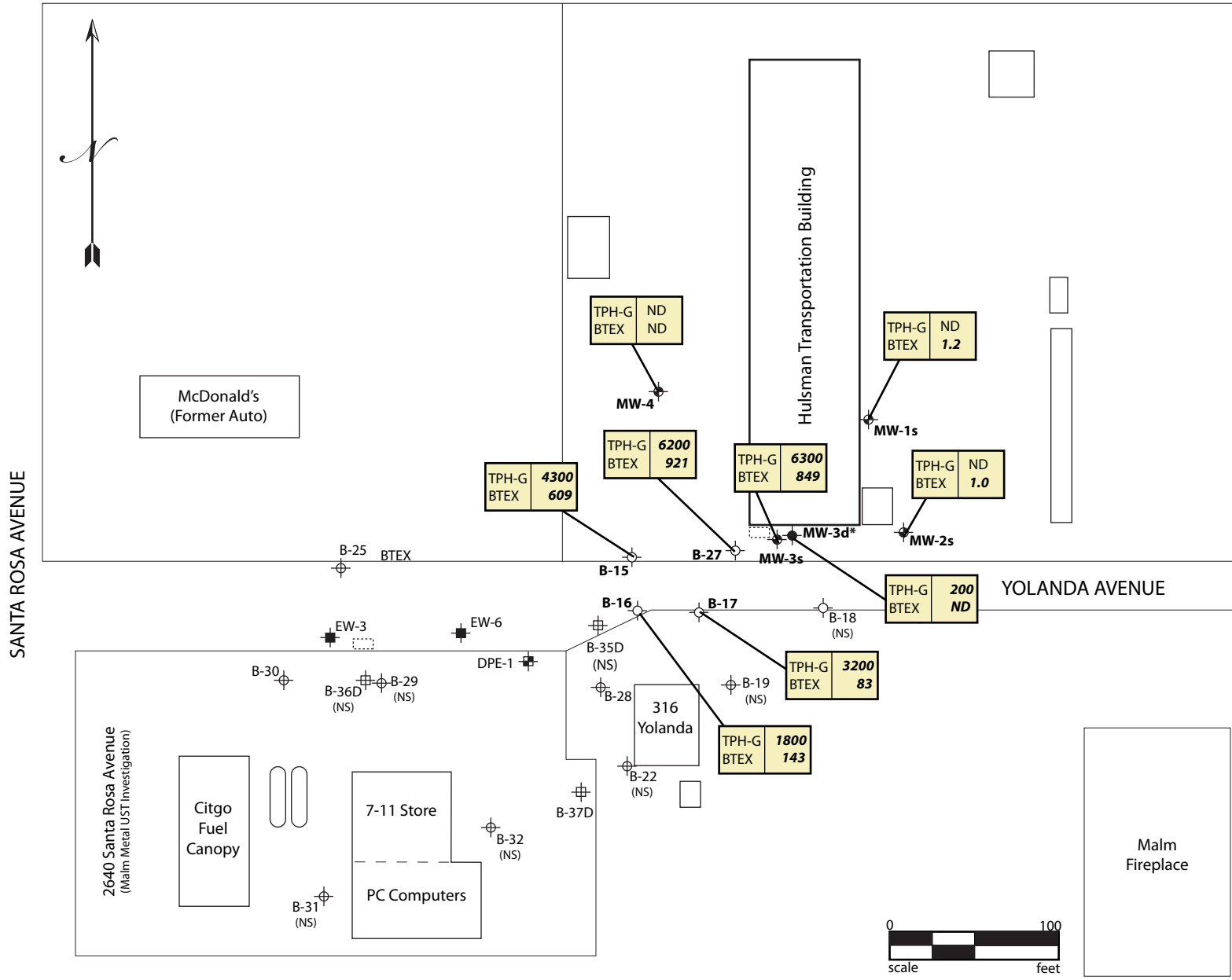
Office: 707-528-081C  
Fax: 707-528-1956

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
APR 2015

**SHALLOW GROUNDWATER GRADIENT MAP  
REPORT:  
March / April 2015 Groundwater Monitoring**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California

PLATE  
2





**EXPLANATION**

- Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA

**NOTES:** NS = Not Sampled;  
 ND = Not Detected;  
 NA = Not Analyzed  
 TPH-G and BTEX Concentrations (ug/L) listed in table adjacent to Well

FORMER UST Location

CURRENT UST Location



**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

Est. 1989, A Veteran Owned Business  
[www.EGSconsultants.com](http://www.EGSconsultants.com)

Office: 707-528-081C  
 Fax: 707-528-1956

CLIENT:  
 Hulsman  
 PROJECT:  
 451.0711  
 DRAFTED BY:  
 DLB  
 DATE:  
 APR 2015

**TPH-G AND BTEX ANALYTICAL RESULTS  
 REPORT:**  
**March / April 2015 Groundwater Monitoring**  
 Hulsman Transportation  
 325 Yolanda Avenue, Santa Rosa, California

PLATE  
 3

| <b>TABLE 1: Historical Summary of Analytical Results for On Site MW's MW-1s, MW-2s, MW-3s, MW-4, MW-3d</b> |              |             |            |           |               |               |           |              |
|--|--------------|-------------|------------|-----------|---------------|---------------|-----------|--------------|
| Date   | Sample ID    | TPH-G       | Benzene    | Toluene   | Ethyl-benzene | Total Xylenes | MTBE      | DTW          |
| 11/30/2004   | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 13.67        |
| 2/9/2005   | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 8.98         |
| 11/29/2007   | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 12.14        |
| 3/1/2010   | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 8.13         |
| 10/18/2011   | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 11.62        |
| 3/27/2012  | MW-1s        | ND          | ND         | ND        | ND            | ND            | ND        | 8.42         |
| 3/12/2014  | MW-1s        | ND          | ND         | ND        | ND            | 1.2           | ND        | 9.43         |
| <b>3/31/2015</b>   | <b>MW-1s</b> | <b>ND</b>   | <b>ND</b>  | <b>ND</b> | <b>ND</b>     | <b>ND</b>     | <b>ND</b> | <b>10.92</b> |
| 11/30/2004   | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 13.31        |
| 2/9/2005   | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 8.95         |
| 11/29/2007   | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 11.86        |
| 3/1/2010   | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 7.81         |
| 10/18/2011   | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 11.21        |
| 3/27/2012  | MW-2s        | ND          | ND         | ND        | ND            | ND            | ND        | 7.91         |
| 3/12/2014  | MW-2s        | ND          | ND         | ND        | ND            | 1.0           | ND        | 8.71         |
| <b>3/31/2015</b>   | <b>MW-2s</b> | <b>ND</b>   | <b>ND</b>  | <b>ND</b> | <b>ND</b>     | <b>ND</b>     | <b>ND</b> | <b>10.99</b> |
| 11/30/2004   | MW-3s        | 19000       | 630        | 190       | 2000          | 5800          | 33        | 13.16        |
| 2/9/2005   | MW-3s        | 17000       | 1700       | 290       | 4700          | 13000         | ND        | 8.59         |
| 11/29/2007   | MW-3s        | 23000       | 610        | ND        | 1500          | 1400          | ND        | 11.71        |
| 3/1/2010   | MW-3s        | 16000       | 550        | 62        | 970           | 790           | ND        | 7.73         |
| 10/18/2011   | MW-3s        | 5700        | 180        | ND        | 370           | 200           | ND        | 11.17        |
| 3/28/2012  | MW-3s        | 7100        | 260        | ND        | 530           | 290           | ND        | 7.91         |
| 10/5/2012  | MW-3s        | 9200        | 340        | 7.3       | 870           | 590           | ND        | 12.33        |
| 3/12/2014  | MW-3s        | 6600        | 400        | ND        | 380           | 110           | ND        | 8.74         |
| 6/12/2014  | MW-3s        | 750         | 11         | 2.6       | 4.8           | 34            | ND        | 10.62        |
| 9/16/2014  | MW-3s        | 230         | 3.9        | ND        | 9.6           | 27            | ND        | 13.35        |
| <b>3/31/2015</b>   | <b>MW-3s</b> | <b>6300</b> | <b>220</b> | <b>16</b> | <b>280</b>    | <b>333</b>    | <b>ND</b> | <b>10.71</b> |
| 11/30/2004   | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 12.16        |
| 2/9/2005   | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 7.42         |
| 11/29/2007   | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 10.76        |
| 3/1/2010   | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 6.59         |
| 10/18/2011   | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 10.22        |
| 3/27/2012  | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 6.81         |
| 3/12/2014  | MW-4         | ND          | ND         | ND        | ND            | ND            | ND        | 7.78         |
| <b>3/31/2015</b>   | <b>MW-4</b>  | <b>ND</b>   | <b>ND</b>  | <b>ND</b> | <b>ND</b>     | <b>ND</b>     | <b>ND</b> | <b>9.61</b>  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 2: Historical Summary of Analytical Results for On Site MW-3d and Off Site MW B-15**

| Date            | Sample ID    | TPH-G   | Benzene    | Toluene   | Ethyl-benzene | Total Xylenes | MTBE       | DTW          |
|-----------------|--------------|---|------------|-----------|---------------|---------------|------------|--------------|
| 11/30/2004      | MW-3d        | 1100  | 89         | 3.8       | 34            | 8.8           | 19         | 13.05        |
| 2/9/2005        | MW-3d        | 1800  | 370        | 14        | 40            | 6.5           | ND         | 8.46         |
| 11/29/2007      | MW-3d        | 850   | 14         | 1.8       | ND            | 1.5           | ND         | 11.62        |
| 3/1/2010        | MW-3d        | 240   | 2.1        | 8.3       | ND            | ND            | ND         | 7.52         |
| 10/18/2011      | MW-3d        | 480   | 4.7        | ND        | ND            | ND            | 8.7        | 11.00        |
| 3/28/2012       | MW-3d        | ND  | ND         | ND        | ND            | ND            | 6.8        | 7.69         |
| 10/5/2012       | MW-3d        | 170   | 2.2        | 2.1       | 0.58          | 1.7           | 11         | 12.37        |
| 3/12/2014       | MW-3d        | 220   | ND         | ND        | 4.0           | 1.9           | 11         | 8.63         |
| 6/12/2014       | MW-3d        | 75  | ND         | ND        | ND            | ND            | 7.0        | 10.93        |
| 9/16/2014       | MW-3d        | ND  | ND         | ND        | ND            | ND            | 5.3        | 13.72        |
| <b>4/1/2015</b> | <b>MW-3d</b> | <b>200</b>  | <b>ND*</b> | <b>ND</b> | <b>ND</b>     | <b>ND</b>     | <b>6.2</b> | <b>10.79</b> |
| 6/18/1990       | B-15         | 45000   | 12000      | 7900      | 1600          | 6600          | NA         | 21.15        |
| 6/6/1996        | B-15         | 1800  | 160        | 16        | 86            | 74            | NA         | 11.3         |
| 4/25/1997       | B-15         | 180   | 1.4        | 0.67      | 0.81          | ND            | NA         | 12.9         |
| 11/11/1998      | B-15         | 240   | 15         | 1.7       | 4.8           | 3.8           | NA         | 14.7         |
| 2/16/1999       | B-15         | 290   | 14         | 2         | 4.6           | 3.1           | NA         | 11.5         |
| 7/11/2000       | B-15         | 260   | 40         | 1.5       | 0.5           | 1.4           | NA         | 11.57        |
| 11/14/2000      | B-15         | 5700  | 190        | 190       | 380           | 680           | NA         | 12.94        |
| 5/16/2001       | B-15         | 480   | 32         | 1         | 1.2           | 2.3           | NA         | 11.06        |
| 9/26/2001       | B-15         | 770   | 220        | 310       | 570           | 1500          | NA         | 15.1         |
| 8/12/2004       | B-15         | 7400  | 1300       | 470       | 300           | 590           | NA         | 11.32        |
| 11/23/2001      | B-15         | 910   | 140        | 8.8       | 22            | 12            | NA         | 11.56        |
| 3/9/2005        | B-15         | 11000   | 2000       | 110       | 390           | 220           | NA         | 5.68         |
| 10/31/2005      | B-15         | 5900  | 720        | 98        | 110           | 150           | NA         | 10.21        |
| 6/1/2006        | B-15         | 11000   | 1800       | 70        | 530           | 170           | NA         | 6.85         |
| 9/26/2006       | B-15         | 13000   | 2200       | 220       | 460           | 380           | NA         | 10.29        |
| 12/20/2006      | B-15         | 11000   | 2000       | 240       | 420           | 480           | NA         | 7.8          |
| 7/19/2007       | B-15         | 8300  | 1100       | 24        | 130           | 29            | NA         | 9.05         |
| 9/3/2008        | B-15         | 11000   | 1600       | 95        | 220           | 100           | NA         | 11.11        |
| 4/13/2012       | B-15         | Well located, determined to be in good repair, and new Christy box installed. |            |           |               |               |            |              |
| 4/25/2012       | B-15         | 4900  | 170        | 29        | 95            | 35            | ND         | 5.95         |
| 10/4/2012       | B-15         | 1500  | 81         | 7.8       | 10            | 9.0           | ND         | 10.26        |
| 3/12/2014       | B-15         | 1100  | 110        | 12        | 57            | 18.8          | ND         | 6.81         |
| 6/12/2014       | B-15         | 110   | 2.8        | ND        | ND            | ND            | ND         | 7.92         |
| 9/16/2014       | B-15         | ND  | ND         | ND        | ND            | ND            | ND         | 11.51        |
| <b>4/1/2015</b> | <b>B-15</b>  | <b>4300</b>   | <b>540</b> | <b>32</b> | <b>11</b>     | <b>26.4</b>   | <b>ND</b>  | <b>8.86</b>  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

\*There were also detections of chlorinated solvents in this well related to the adjacent site to the south.

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 3: Historical Summary of Analytical Results for Off Site MW B-16**

| Date            | Sample ID   | TPH-G       | Benzene    | Toluene    | Ethyl-benzene | Total Xylenes | MTBE      | DTW         |
|-----------------|-------------|-------------|------------|------------|---------------|---------------|-----------|-------------|
| 12/13/1989      | B-16        | 43000       | 10000      | 10000      | 900           | 4600          | NA        | --          |
| 6/7/1996        | B-16        | 10000       | 330        | 330        | 590           | 1100          | NA        | 11.92       |
| 4/25/1997       | B-16        | 4700        | 150        | 150        | 290           | 320           | NA        | 13.33       |
| 11/12/1998      | B-16        | 2200        | 55         | 55         | 120           | 130           | NA        | 15.71       |
| 2/15/1999       | B-16        | 960         | 14         | 14         | 43            | 45            | NA        | 12.13       |
| 7/11/2000       | B-16        | 3800        | 86         | 86         | 210           | 110           | NA        | 12.13       |
| 11/14/2000      | B-16        | 1800        | 31         | 31         | 110           | 120           | NA        | 13.41       |
| 5/16/2001       | B-16        | 2100        | 35         | 35         | 170           | 190           | NA        | 11.6        |
| 9/26/2001       | B-16        | 3900        | 52         | 52         | 270           | 210           | NA        | 15.68       |
| 8/12/2004       | B-16        | 5000        | 150        | 150        | 250           | 260           | NA        | 11.86       |
| 11/23/2004      | B-16        | 1200        | 85         | 85         | 17            | 14            | NA        | 11.66       |
| 3/9/2005        | B-16        | 1400        | 270        | 270        | 47            | 14            | NA        | 6.26        |
| 10/31/2005      | B-16        | 5400        | 870        | 870        | 200           | 75            | NA        | 10.24       |
| 6/1/2006        | B-16        | 1400        | 130        | 130        | 0.72          | 13            | NA        | 7.57        |
| 9/25/2006       | B-16        | 1900        | 350        | 350        | 53            | 5.8           | NA        | 10.96       |
| 12/20/2006      | B-16        | 290         | 99         | 99         | 2.1           | 0.89          | NA        | 8.41        |
| 7/16/2007       | B-16        | 820         | 31         | 31         | 6.2           | 1.1           | NA        | 9.65        |
| 9/20/2007       | B-16        | 210         | 40         | 40         | 5.9           | 1             | NA        | 10.91       |
| 1/7/2008        | B-16        | 99          | 4          | 4          | 1.3           | ND            | NA        | 7.33        |
| 9/3/2008        | B-16        | 500         | 5.6        | 5.6        | 1.7           | 1.5           | NA        | 11.27       |
| 10/19/2011      | B-16        | 2600        | 190        | ND         | 15            | 11            | ND        | 9.84        |
| 3/28/2012       | B-16        | ND          | 1.2        | ND         | 0.9           | ND            | ND        | 6.61        |
| 10/4/2012       | B-16        | 220         | 14         | 3.0        | 1.5           | 2.8           | ND        | 10.85       |
| 3/12/2014       | B-16        | 160         | 2.4        | ND         | ND            | ND            | ND        | 7.44        |
| 6/12/2014       | B-16        | 790         | 26         | 1.0        | 0.89          | ND            | ND        | 9.04        |
| 9/16/2014       | B-16        | ND          | ND         | ND         | ND            | ND            | ND        | 12.02       |
| <b>4/1/2015</b> | <b>B-16</b> | <b>1800</b> | <b>130</b> | <b>6.6</b> | <b>3.0</b>    | <b>3.6</b>    | <b>ND</b> | <b>9.49</b> |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 4: Historical Summary of Analytical Results for Off Site MW's B-17 & B-27**

| Date            | Sample ID   | TPH-G       | Benzene    | Toluene    | Ethyl-benzene | Total Xylenes | MTBE      | DTW         |
|-----------------|-------------|-------------|------------|------------|---------------|---------------|-----------|-------------|
| 11/12/1998      | B-17        | 49000       | 3300       | 530        | 1400          | 2900          | NA        | 16.2        |
| 2/15/1999       | B-17        | 24000       | 3600       | 710        | 1400          | 2500          | NA        | 12.5        |
| 7/11/2000       | B-17        | 4700        | 1700       | 220        | 570           | 1300          | NA        | 8.99        |
| 11/14/2000      | B-17        | 17000       | 1600       | 330        | 960           | 1100          | NA        | 12.57       |
| 5/16/2001       | B-17        | 7200        | 530        | 120        | 470           | 600           | NA        | 13.99       |
| 9/26/2001       | B-17        | 15000       | 1300       | 310        | 1100          | 1200          | NA        | 11.98       |
| 8/12/2004       | B-17        | 8800        | 530        | 83         | 930           | 390           | NA        | 16.17       |
| 11/23/2004      | B-17        | 870         | 28         | 3.4        | 5.2           | 3.4           | NA        | 12.27       |
| 3/9/2005        | B-17        | 1000        | 130        | 12         | 24            | 26            | NA        | 12.04       |
| 10/31/2005      | B-17        | 12000       | 2400       | 67         | 550           | 320           | NA        | 6.59        |
| 6/1/2006        | B-17        | 4400        | 960        | 7.3        | 56            | 12            | NA        | 11.07       |
| 9/25/2006       | B-17        | 12000       | 2000       | 60         | 220           | 310           | NA        | 7.87        |
| 12/20/2006      | B-17        | 14000       | 1800       | 52         | 260           | 70            | NA        | 11.3        |
| 7/16/2007       | B-17        | 5600        | 800        | 13         | 32            | 20            | NA        | 8.71        |
| 9/20/2007       | B-17        | 7300        | 1100       | 8          | 22            | 9.6           | NA        | 10.02       |
| 1/7/2008        | B-17        | 4600        | 460        | 5.6        | 13            | 14            | NA        | 7.69        |
| 9/3/2008        | B-17        | 11000       | 390        | 8.7        | 40            | 16            | NA        | 11.98       |
| 10/19/2011      | B-17        | 3300        | 280        | ND         | 39            | 23            | ND        | 10.21       |
| 3/28/2012       | B-17        | 6300        | 140        | ND         | 11            | 21            | ND        | 6.94        |
| 10/4/2012       | B-17        | 3100        | 180        | 4.0        | 11            | 10            | ND        | 11.31       |
| 3/12/2014       | B-17        | 2300        | 48         | 1.9        | 4.0           | 5.0           | 3.7       | 7.78        |
| 6/12/2014       | B-17        | 700         | 7.6        | ND         | 0.6           | 1.7           | 16        | 9.23        |
| 9/16/2014       | B-17        | 420         | ND         | ND         | ND            | ND            | ND        | 12.37       |
| <b>4/1/2015</b> | <b>B-17</b> | <b>3200</b> | <b>66</b>  | <b>5.6</b> | <b>3.5</b>    | <b>7.4</b>    | <b>ND</b> | <b>9.78</b> |
| 9/26/2001       | B-27        | 67000       | 1400       | 2300       | 4600          | 18000         | NA        | 15.65       |
| 8/12/2004       | B-27        | 38000       | 850        | 210        | 3100          | 8900          | NA        | 11.22       |
| 11/23/2004      | B-27        | 25000       | 280        | 90         | 1800          | 5500          | NA        | 10.99       |
| 3/9/2005        | B-27        | 25000       | 370        | 63         | 1600          | 4400          | NA        | 5.44        |
| 10/31/2005      | B-27        | 36000       | 740        | 110        | 2200          | 5700          | NA        | 10.34       |
| 6/1/2006        | B-27        | 24000       | 610        | 57         | 1600          | 3200          | NA        | 6.67        |
| 9/26/2006       | B-27        | 23000       | 650        | 100        | 1800          | 3500          | NA        | 10.11       |
| 12/20/2006      | B-27        | 18000       | 460        | 58         | 1300          | 2800          | NA        | 7.75        |
| 9/21/2007       | B-27        | 24000       | 610        | 59         | 1400          | 1700          | NA        | 10.19       |
| 9/9/2008        | B-27        | 15000       | 560        | 52         | 1200          | 940           | NA        | --          |
| 10/18/2011      | B-27        | 7600        | 610        | 63         | 980           | 580           | ND        | 9.15        |
| 3/28/2012       | B-27        | 5000        | 250        | ND         | 130           | 54            | ND        | 5.86        |
| 3/12/2014       | B-27        | 5000        | 280        | 14         | 620           | 220           | 17        | 6.73        |
| 6/12/2014       | B-27        | 6000        | 300        | 3.5        | 280           | 400           | ND        | 8.57        |
| 9/16/2014       | B-27        | 4300        | 120        | ND         | 130           | 360           | ND        | 11.46       |
| <b>4/1/2015</b> | <b>B-27</b> | <b>6200</b> | <b>250</b> | <b>11</b>  | <b>470</b>    | <b>190</b>    | <b>13</b> | <b>6.68</b> |

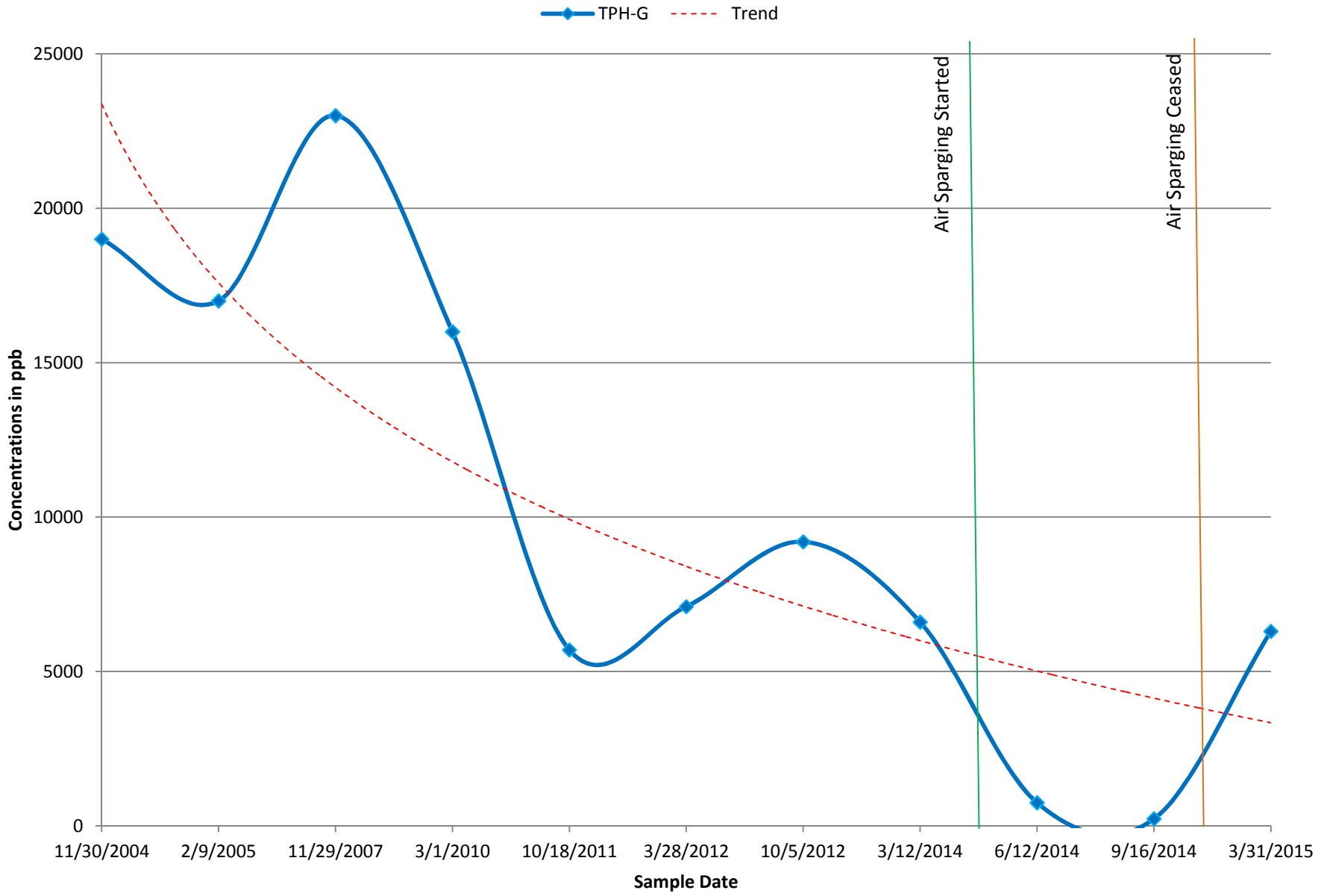
NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

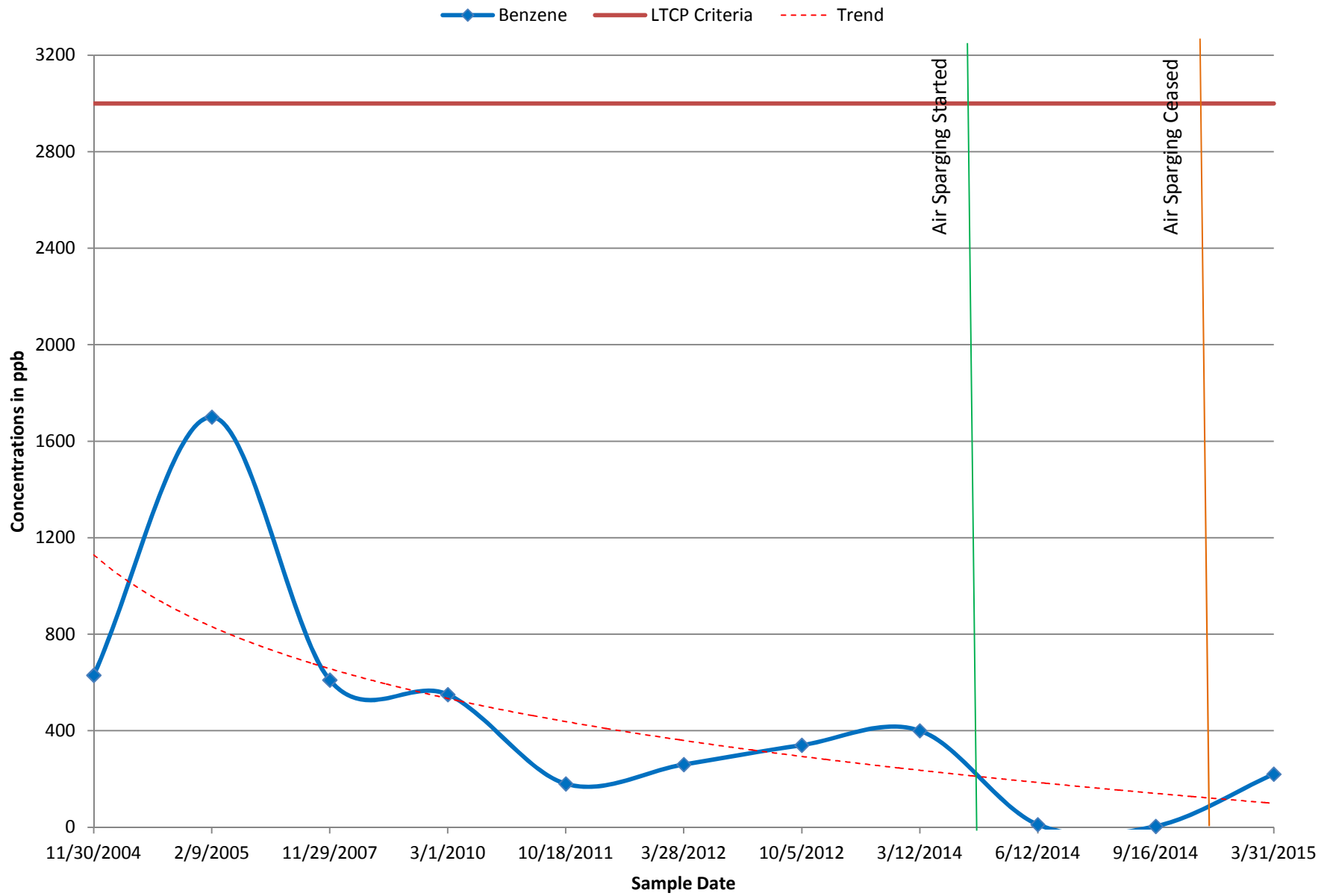
Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

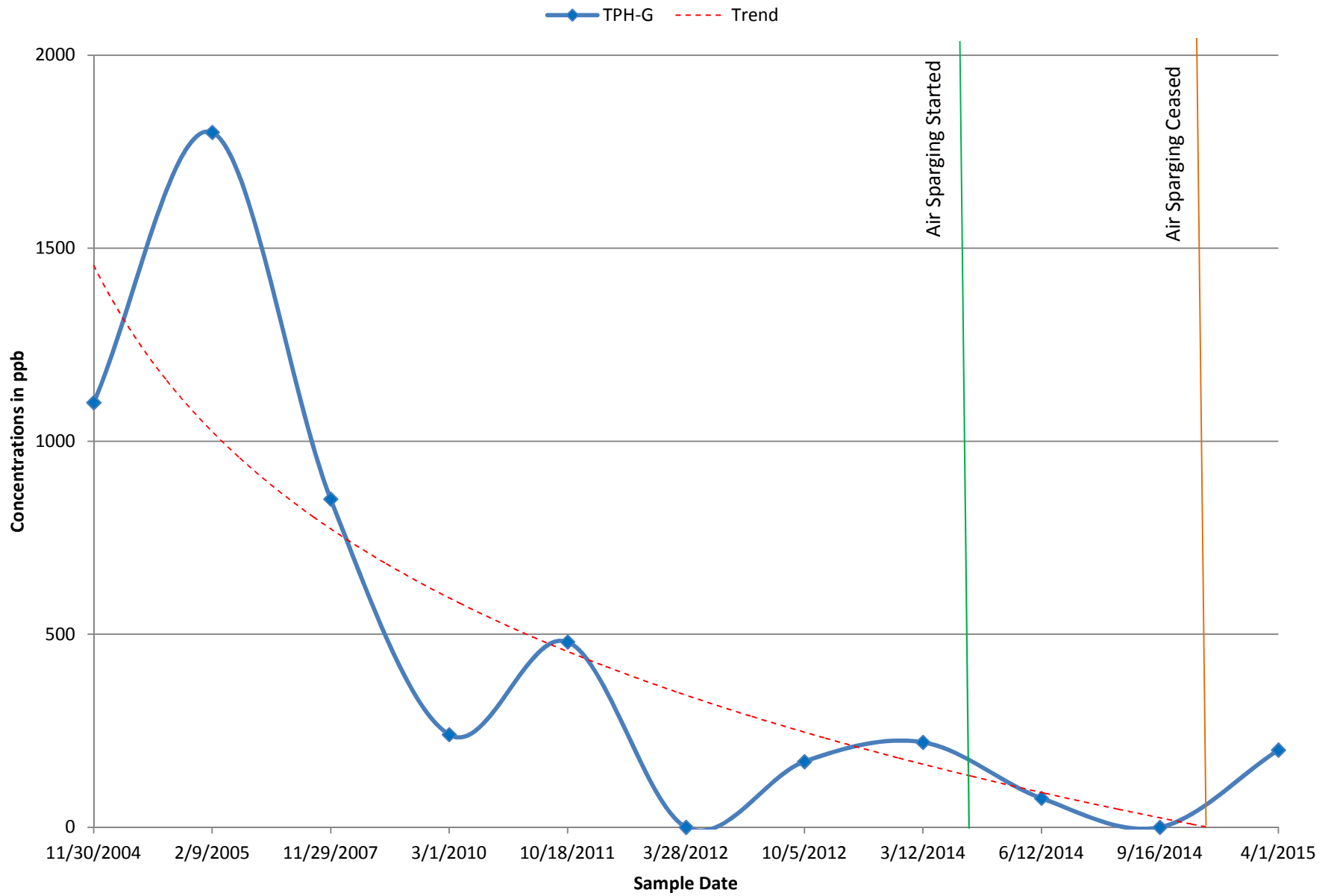
Chart 1: Historic Concentration Trend for TPH-G in MW-3s



### Chart 2: Historic Concentration Trend for Benzene in MW-3s

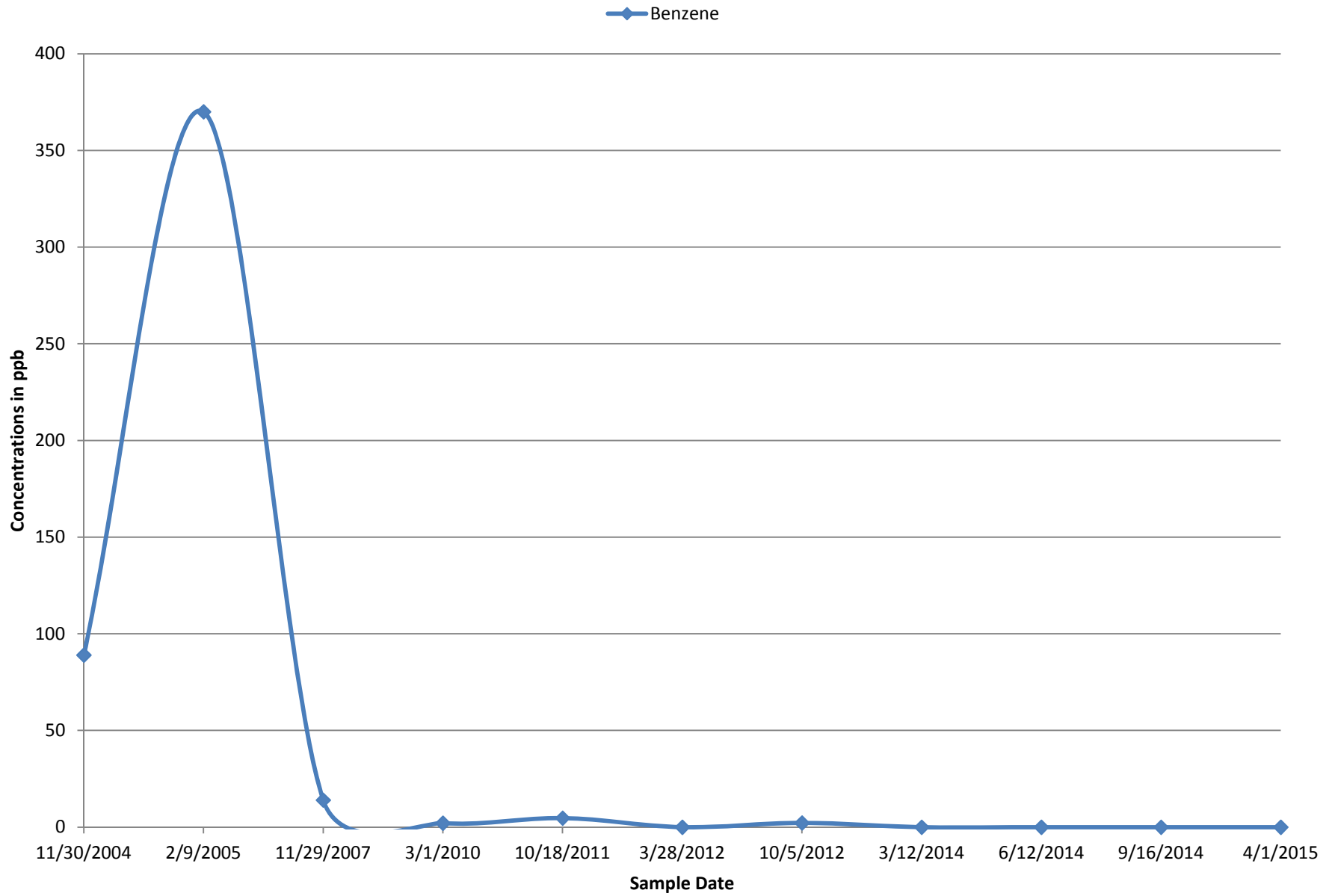


**Chart 3: Historic Concentration Trend for TPH-G in MW-3d**



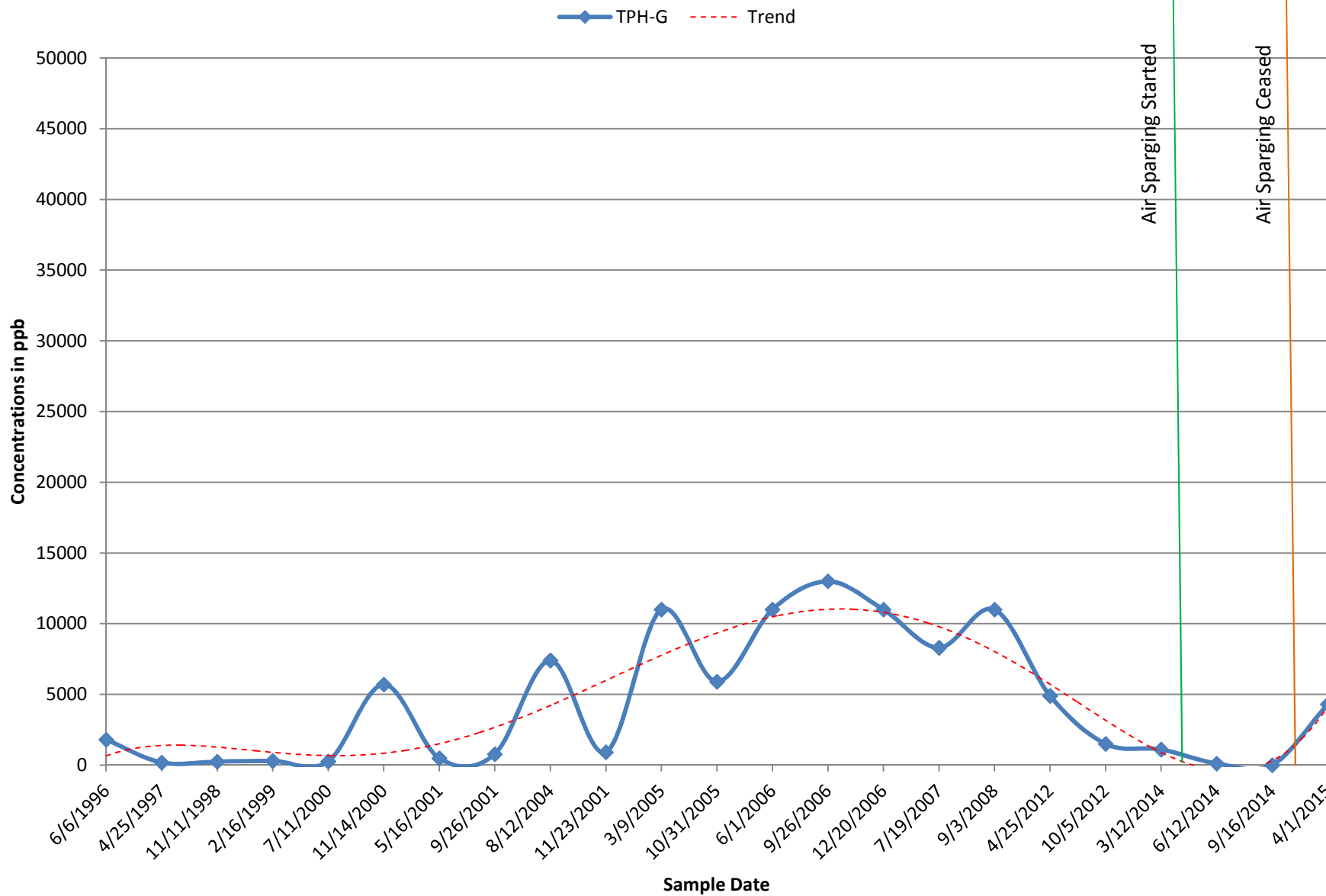


**Chart 4: Historic Concentration Trend for Benzene in MW-3d**



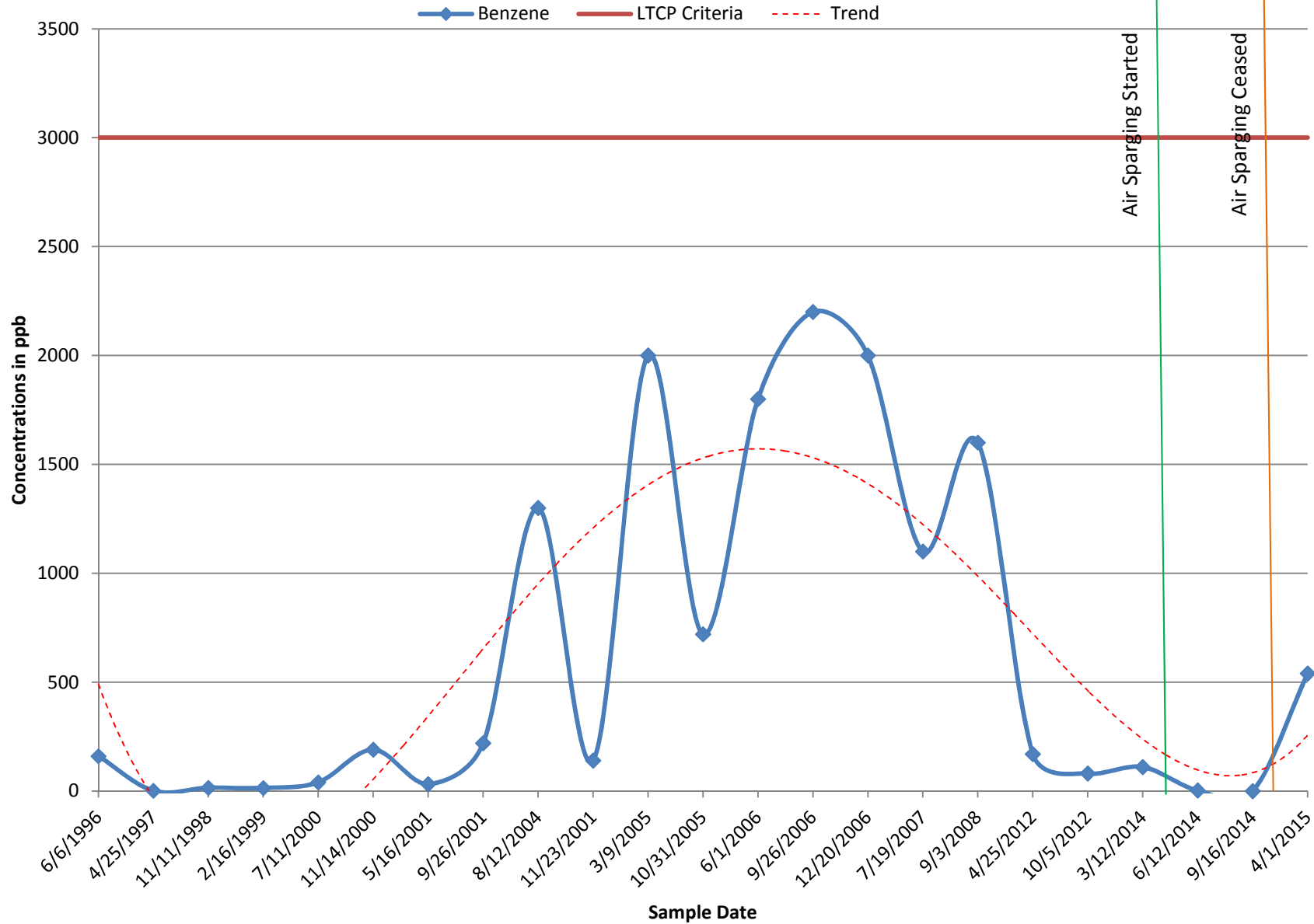
### Chart 5: Historic Concentration Trend for TPH-G in B-15

The highest (initial) concentration of 45,000 ppb detected in June 1990 was removed for improved data representation.



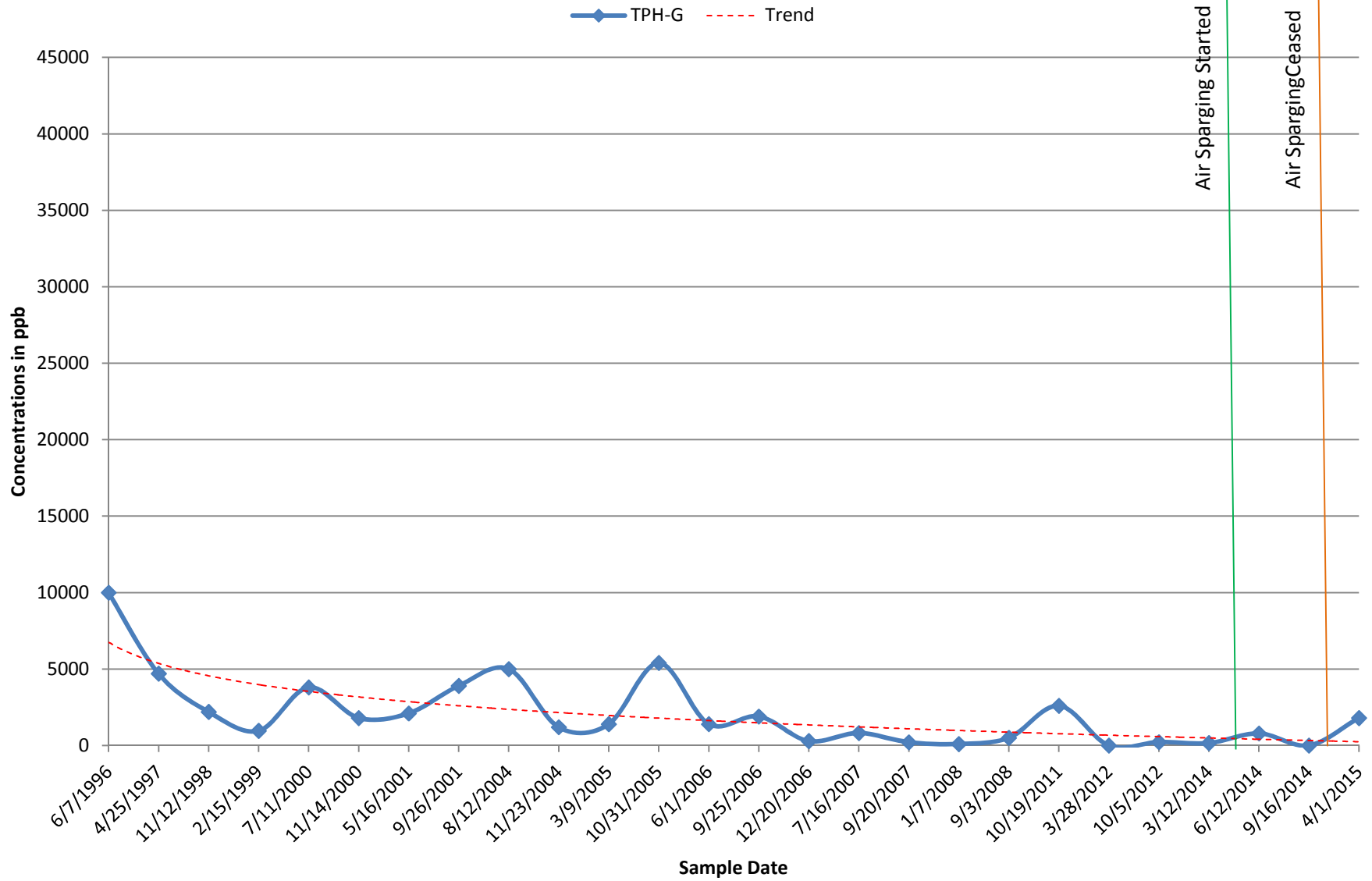
### Chart 6: Historic Concentration Trend for Benzene in B-15

The highest (initial) concentration of 12,000 ppb detected in June 1990 was removed for improved data representation.



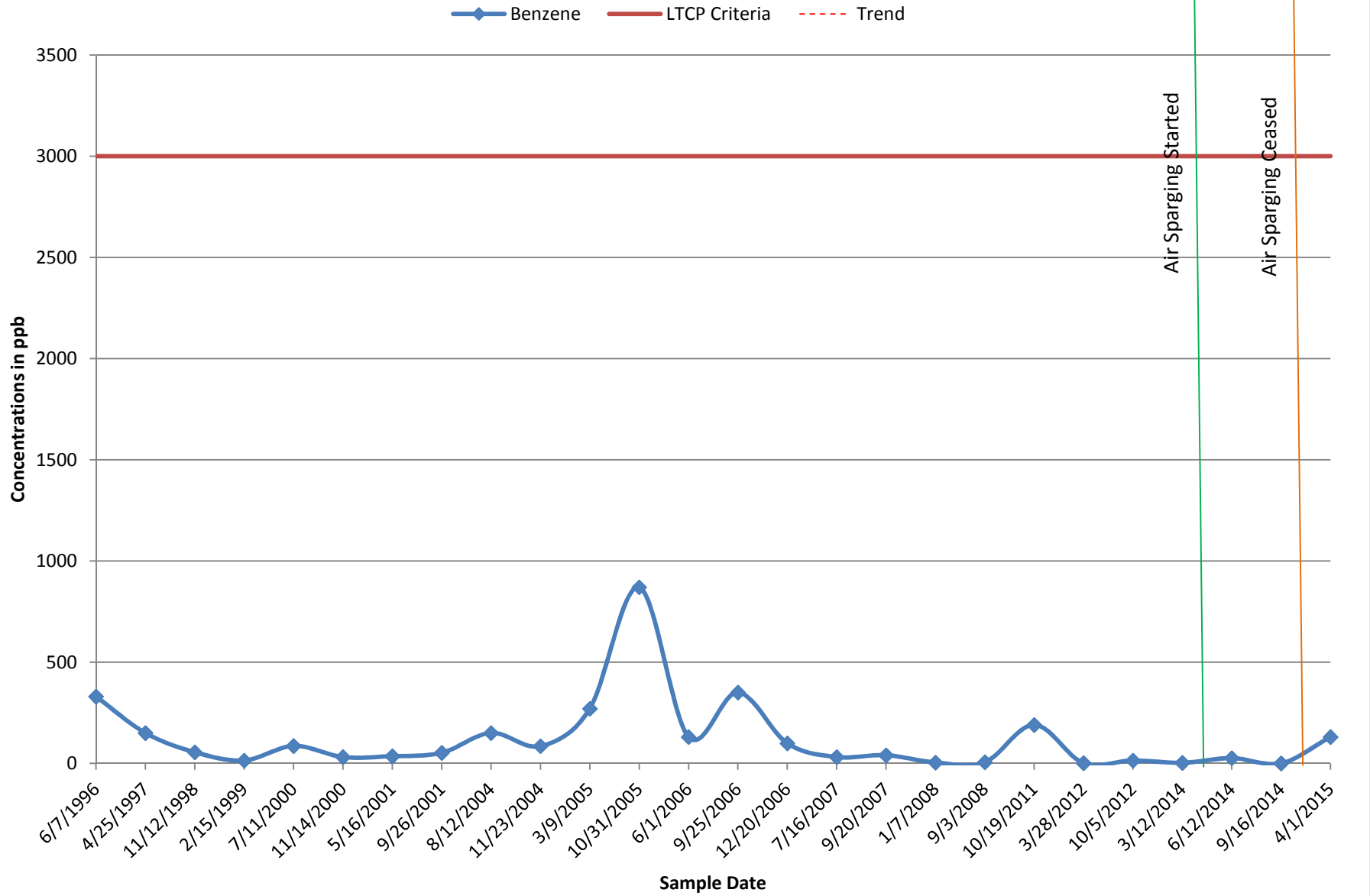
### Chart 7: Historic Concentration Trend for TPH-G in B-16

The highest (initial) concentration of 43,000 ppb detected in December 1989 was removed for improved data representation.



### Chart 8: Historic Concentration Trend for Benzene in B-16

The highest (initial) concentration of 10,000 ppb detected in December 1989 was removed for improved data representation.



### Chart 9: Historic Concentration Trend for TPH-G in B-17

The highest (initial) concentration of 49,000 ppb detected in November 1998 was removed for improved data representation.

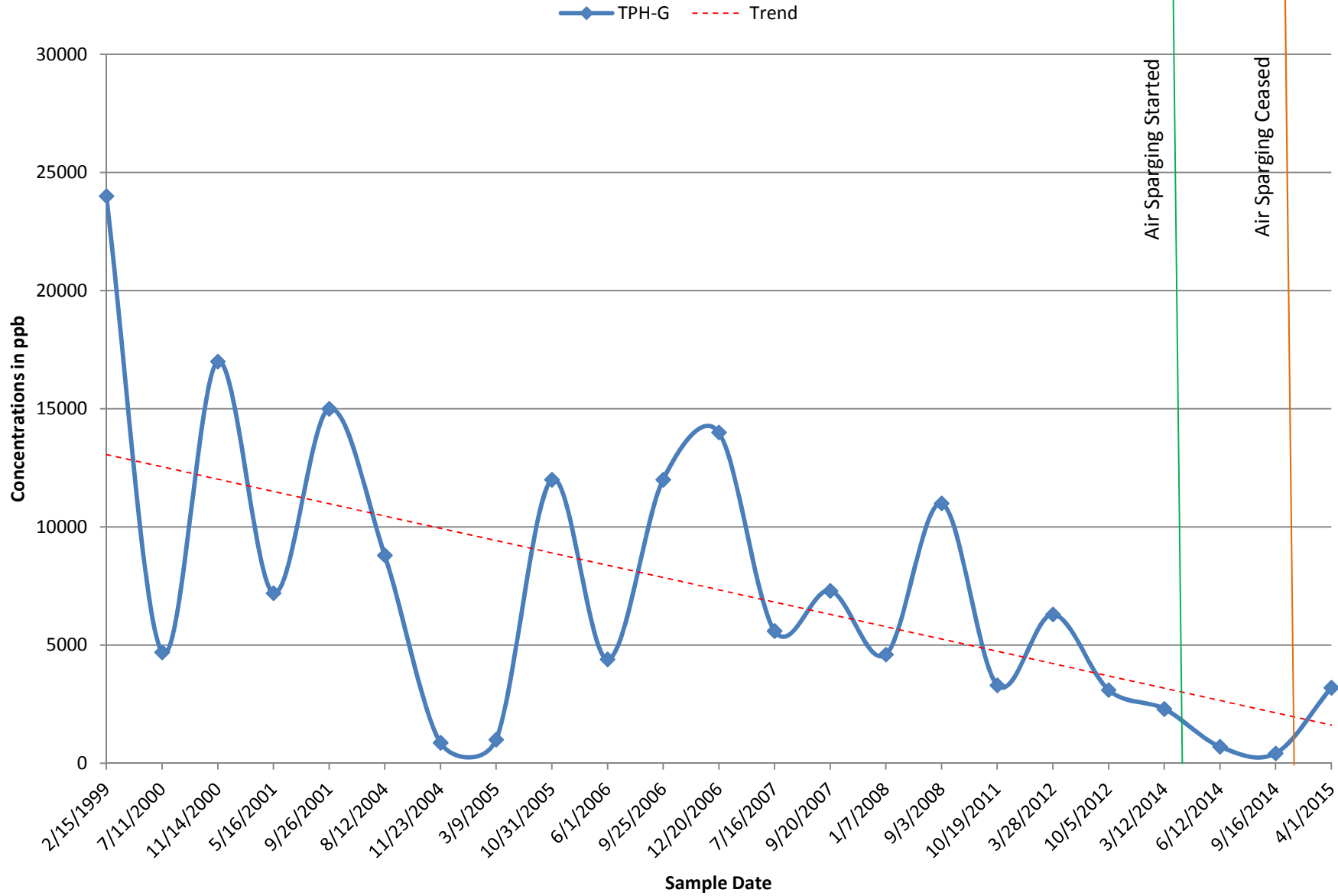


Chart 10: Historic Concentration Trend for Benzene in B-17

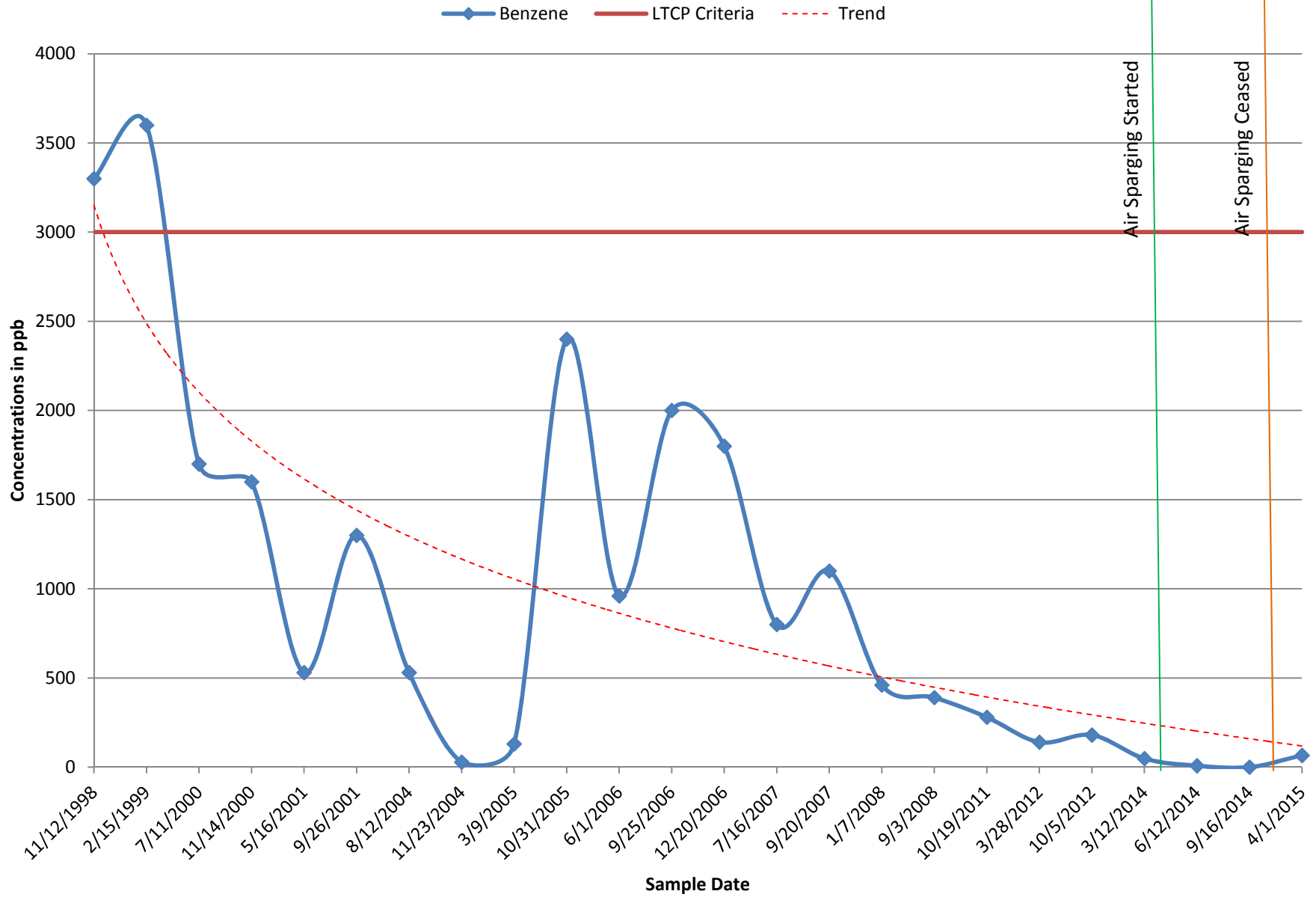


Chart 11: Historic Concentration Trend for TPH-G in B-27

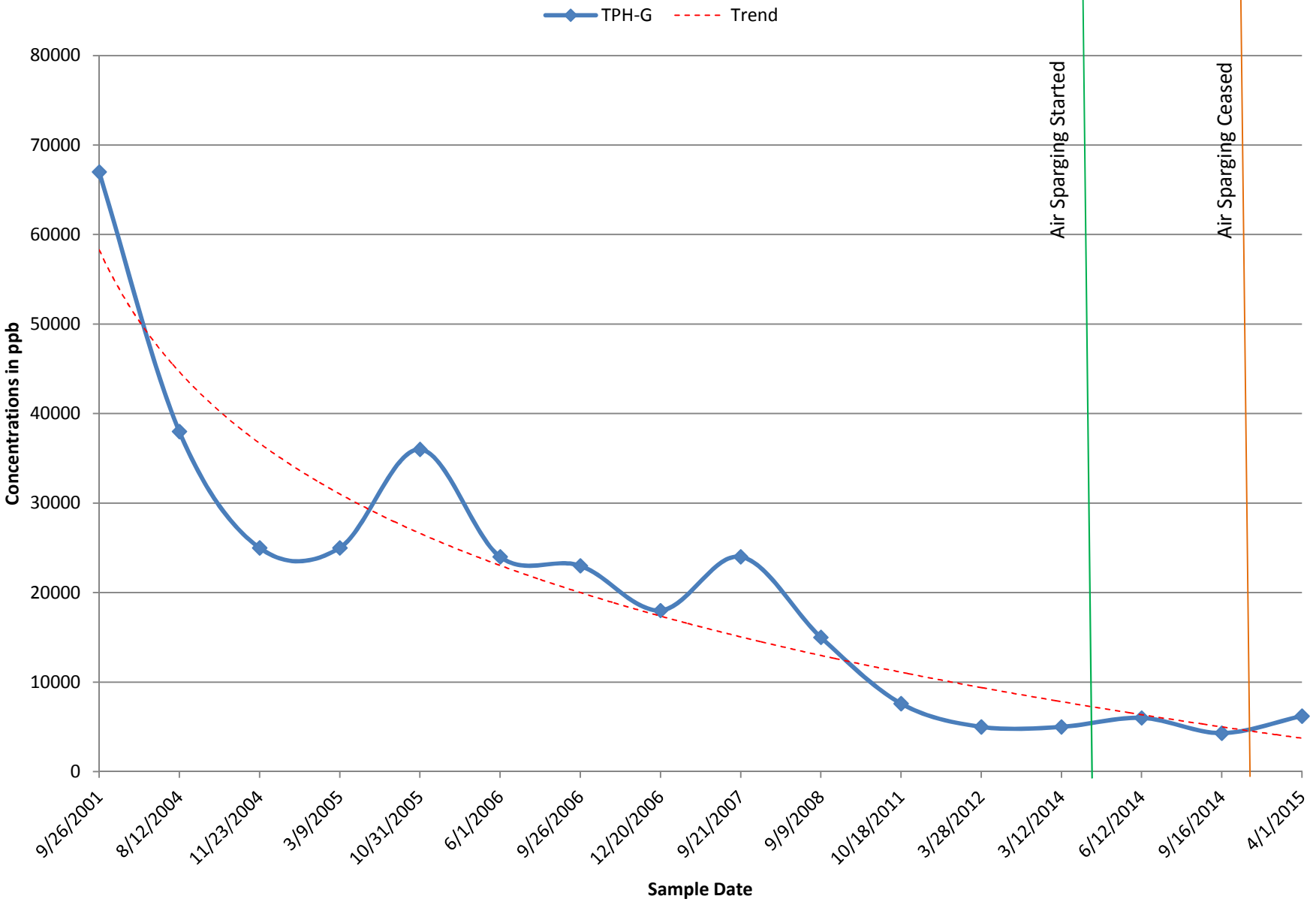
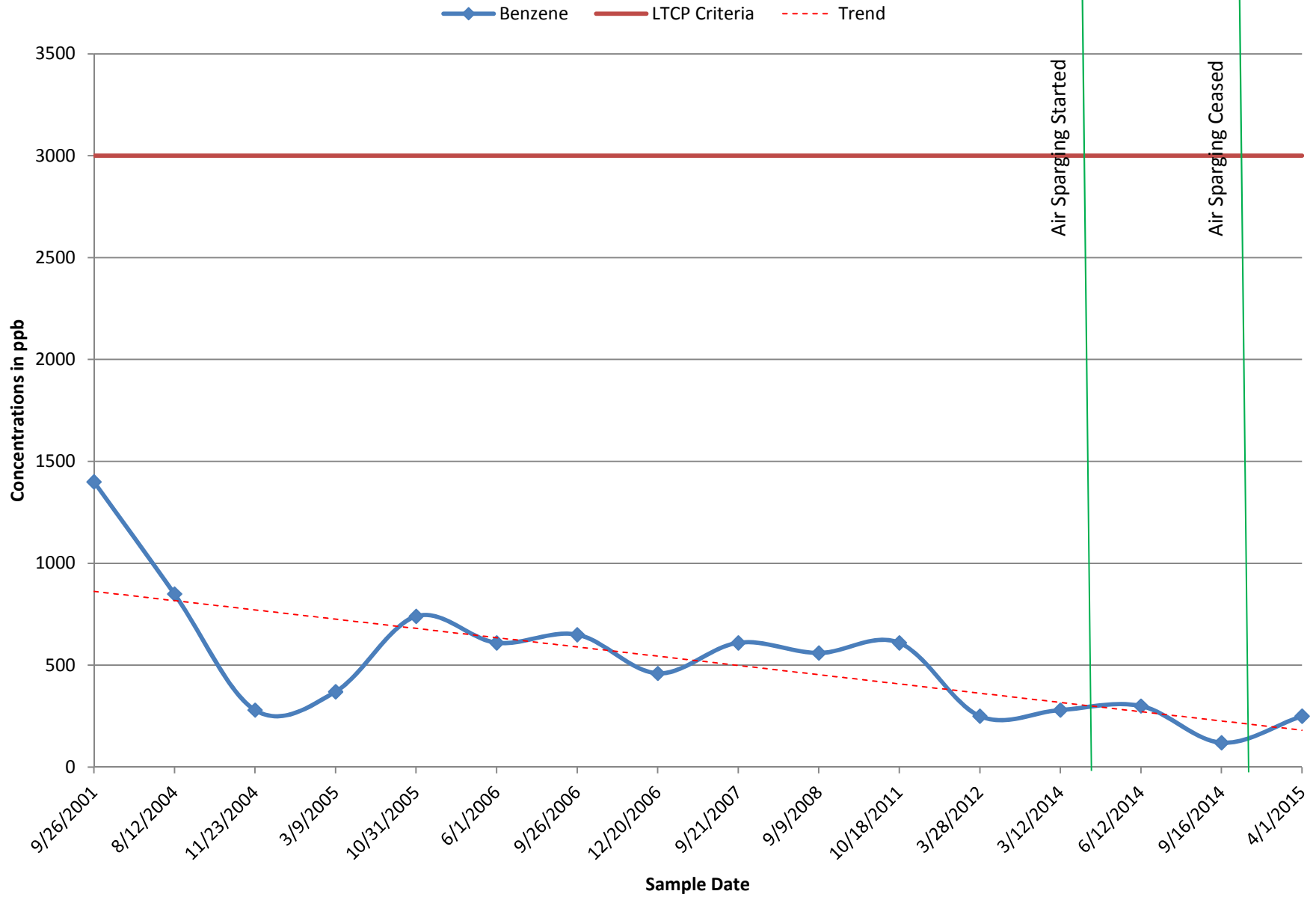




Chart 12: Historic Concentration Trend for Benzene in B-27



| Date - MW-3s | TPH-G |            | Benzene | LTC-Benz | Date - MW-3d | TPH-G |
|--------------|-------|------------|---------|----------|--------------|-------|
| 11/30/2004   | 19000 | 11/30/2004 | 630     | 3000     | 11/30/2004   | 1100  |
| 2/9/2005     | 17000 | 2/9/2005   | 1700    | 3000     | 2/9/2005     | 1800  |
| 11/29/2007   | 23000 | 11/29/2007 | 610     | 3000     | 11/29/2007   | 850   |
| 3/1/2010     | 16000 | 3/1/2010   | 550     | 3000     | 3/1/2010     | 240   |
| 10/18/2011   | 5700  | 10/18/2011 | 180     | 3000     | 10/18/2011   | 480   |
| 3/28/2012    | 7100  | 3/28/2012  | 260     | 3000     | 3/28/2012    | 0     |
| 10/5/2012    | 9200  | 10/5/2012  | 340     | 3000     | 10/5/2012    | 170   |
| 3/12/2014    | 6600  | 3/12/2014  | 400     | 3000     | 3/12/2014    | 220   |
| 6/12/2014    | 750   | 6/12/2014  | 11      | 3000     | 6/12/2014    | 75    |
| 9/16/2014    | 230   | 9/16/2014  | 3.9     | 3000     | 9/16/2014    | 0     |
| 3/31/2015    | 6300  | 3/31/2015  | 220     | 3000     | 4/1/2015     | 200   |

|            | Benzene | LTC-Benz | Date - B-15 | TPH-G |            | Benzene | LTC-Benz |
|------------|---------|----------|-------------|-------|------------|---------|----------|
| 11/30/2004 | 89      | 3000     | 6/18/1990   | 45000 | 6/18/1990  | 12000   | 3000     |
| 2/9/2005   | 370     | 3000     | 6/6/1996    | 1800  | 6/6/1996   | 160     | 3000     |
| 11/29/2007 | 14      | 3000     | 4/25/1997   | 180   | 4/25/1997  | 1.4     | 3000     |
| 3/1/2010   | 2.1     | 3000     | 11/11/1998  | 240   | 11/11/1998 | 15      | 3000     |
| 10/18/2011 | 4.7     | 3000     | 2/16/1999   | 290   | 2/16/1999  | 14      | 3000     |
| 3/28/2012  | 0.0001  | 3000     | 7/11/2000   | 260   | 7/11/2000  | 40      | 3000     |
| 10/5/2012  | 2.2     | 3000     | 11/14/2000  | 5700  | 11/14/2000 | 190     | 3000     |
| 3/12/2014  | 0.00001 | 3000     | 5/16/2001   | 480   | 5/16/2001  | 32      | 3000     |
| 6/12/2014  | 0.0001  | 3000     | 9/26/2001   | 770   | 9/26/2001  | 220     | 3000     |
| 9/16/2014  | 0.0001  | 3000     | 8/12/2004   | 7400  | 8/12/2004  | 1300    | 3000     |
| 4/1/2015   | 0.0001  | 3000     | 11/23/2001  | 910   | 11/23/2001 | 140     | 3000     |
|            |         |          | 3/9/2005    | 11000 | 3/9/2005   | 2000    | 3000     |
|            |         |          | 10/31/2005  | 5900  | 10/31/2005 | 720     | 3000     |
|            |         |          | 6/1/2006    | 11000 | 6/1/2006   | 1800    | 3000     |
|            |         |          | 9/26/2006   | 13000 | 9/26/2006  | 2200    | 3000     |
|            |         |          | 12/20/2006  | 11000 | 12/20/2006 | 2000    | 3000     |
|            |         |          | 7/19/2007   | 8300  | 7/19/2007  | 1100    | 3000     |
|            |         |          | 9/3/2008    | 11000 | 9/3/2008   | 1600    | 3000     |
|            |         |          | 4/25/2012   | 4900  | 4/25/2012  | 170     | 3000     |
|            |         |          | 10/5/2012   | 1500  | 10/5/2012  | 81      | 3000     |
|            |         |          | 3/12/2014   | 1100  | 3/12/2014  | 110     | 3000     |
|            |         |          | 6/12/2014   | 110   | 6/12/2014  | 2.8     | 3000     |
|            |         |          | 9/16/2014   | 0     | 9/16/2014  | 0       | 3000     |
|            |         |          | 4/1/2015    | 4300  | 4/1/2015   | 540     | 3000     |

| Date - B-16 | TPH-G |            | Benzene | LTC-Benz | Date - B-17 | TPH-G |
|-------------|-------|------------|---------|----------|-------------|-------|
| 12/13/1989  | 43000 | 12/13/1989 | 10000   | 3000     | 11/12/1998  | 49000 |
| 6/7/1996    | 10000 | 6/7/1996   | 330     | 3000     | 2/15/1999   | 24000 |
| 4/25/1997   | 4700  | 4/25/1997  | 150     | 3000     | 7/11/2000   | 4700  |
| 11/12/1998  | 2200  | 11/12/1998 | 55      | 3000     | 11/14/2000  | 17000 |
| 2/15/1999   | 960   | 2/15/1999  | 14      | 3000     | 5/16/2001   | 7200  |
| 7/11/2000   | 3800  | 7/11/2000  | 86      | 3000     | 9/26/2001   | 15000 |
| 11/14/2000  | 1800  | 11/14/2000 | 31      | 3000     | 8/12/2004   | 8800  |
| 5/16/2001   | 2100  | 5/16/2001  | 35      | 3000     | 11/23/2004  | 870   |
| 9/26/2001   | 3900  | 9/26/2001  | 52      | 3000     | 3/9/2005    | 1000  |
| 8/12/2004   | 5000  | 8/12/2004  | 150     | 3000     | 10/31/2005  | 12000 |
| 11/23/2004  | 1200  | 11/23/2004 | 85      | 3000     | 6/1/2006    | 4400  |
| 3/9/2005    | 1400  | 3/9/2005   | 270     | 3000     | 9/25/2006   | 12000 |
| 10/31/2005  | 5400  | 10/31/2005 | 870     | 3000     | 12/20/2006  | 14000 |
| 6/1/2006    | 1400  | 6/1/2006   | 130     | 3000     | 7/16/2007   | 5600  |
| 9/25/2006   | 1900  | 9/25/2006  | 350     | 3000     | 9/20/2007   | 7300  |
| 12/20/2006  | 290   | 12/20/2006 | 99      | 3000     | 1/7/2008    | 4600  |
| 7/16/2007   | 820   | 7/16/2007  | 31      | 3000     | 9/3/2008    | 11000 |
| 9/20/2007   | 210   | 9/20/2007  | 40      | 3000     | 10/19/2011  | 3300  |
| 1/7/2008    | 99    | 1/7/2008   | 4       | 3000     | 3/28/2012   | 6300  |
| 9/3/2008    | 500   | 9/3/2008   | 5.6     | 3000     | 10/5/2012   | 3100  |
| 10/19/2011  | 2600  | 10/19/2011 | 190     | 3000     | 3/12/2014   | 2300  |
| 3/28/2012   | 0     | 3/28/2012  | 1.2     | 3000     | 6/12/2014   | 700   |
| 10/5/2012   | 220   | 10/5/2012  | 14      | 3000     | 9/16/2014   | 420   |
| 3/12/2014   | 160   | 3/12/2014  | 2.4     | 3000     | 4/1/2015    | 3200  |
| 6/12/2014   | 790   | 6/12/2014  | 26      | 3000.00  |             |       |
| 9/16/2014   | 0     | 9/16/2014  | 0       | 3000.00  |             |       |
| 4/1/2015    | 1800  | 4/1/2015   | 130     | 3000     |             |       |

| Benzene LTC-Benz |      |         | Date - B-27 TPH-G |       | Benzene LTC-Benz |      |         |
|------------------|------|---------|-------------------|-------|------------------|------|---------|
| 11/12/1998       | 3300 | 3000    | 9/26/2001         | 67000 | 9/26/2001        | 1400 | 3000    |
| 2/15/1999        | 3600 | 3000    | 8/12/2004         | 38000 | 8/12/2004        | 850  | 3000    |
| 7/11/2000        | 1700 | 3000    | 11/23/2004        | 25000 | 11/23/2004       | 280  | 3000    |
| 11/14/2000       | 1600 | 3000    | 3/9/2005          | 25000 | 3/9/2005         | 370  | 3000    |
| 5/16/2001        | 530  | 3000    | 10/31/2005        | 36000 | 10/31/2005       | 740  | 3000    |
| 9/26/2001        | 1300 | 3000    | 6/1/2006          | 24000 | 6/1/2006         | 610  | 3000    |
| 8/12/2004        | 530  | 3000    | 9/26/2006         | 23000 | 9/26/2006        | 650  | 3000    |
| 11/23/2004       | 28   | 3000    | 12/20/2006        | 18000 | 12/20/2006       | 460  | 3000    |
| 3/9/2005         | 130  | 3000    | 9/21/2007         | 24000 | 9/21/2007        | 610  | 3000    |
| 10/31/2005       | 2400 | 3000    | 9/9/2008          | 15000 | 9/9/2008         | 560  | 3000    |
| 6/1/2006         | 960  | 3000    | 10/18/2011        | 7600  | 10/18/2011       | 610  | 3000    |
| 9/25/2006        | 2000 | 3000    | 3/28/2012         | 5000  | 3/28/2012        | 250  | 3000    |
| 12/20/2006       | 1800 | 3000    | 3/12/2014         | 5000  | 3/12/2014        | 280  | 3000    |
| 7/16/2007        | 800  | 3000    | 6/12/2014         | 6000  | 6/12/2014        | 300  | 3000    |
| 9/20/2007        | 1100 | 3000    | 9/16/2014         | 4300  | 9/16/2014        | 120  | 3000.00 |
| 1/7/2008         | 460  | 3000    | 4/1/2015          | 6200  | 4/1/2015         | 250  | 3000    |
| 9/3/2008         | 390  | 3000    |                   |       |                  |      |         |
| 10/19/2011       | 280  | 3000    |                   |       |                  |      |         |
| 3/28/2012        | 140  | 3000    |                   |       |                  |      |         |
| 10/5/2012        | 180  | 3000    |                   |       |                  |      |         |
| 3/12/2014        | 48   | 3000    |                   |       |                  |      |         |
| 6/12/2014        | 7.6  | 3000    |                   |       |                  |      |         |
| 9/16/2014        | 0    | 3000.00 |                   |       |                  |      |         |
| 4/1/2015         | 66   | 3000    |                   |       |                  |      |         |

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: MW-1s

DATE: 3/31/15

TOC ELEV: 142.34

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 10.92 |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.82 |
| WATER THICKNESS (h)       | 13.97 |

Groundwater Elevation: TOC-D = 131.42

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 7.12$ 

VOLUME OF WATER PURGED FROM WELL: 10 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE                 |
|------|------|----------|-----------|-----------|--------------|----------------------------|
| 1212 | 8.31 | 17.27    | 409       | 4.79      | 1            | Cloudy, no odor or sheen   |
| 1216 | 7.75 | 16.98    | 418       | 10.43     | 2.5          | Clearing, no odor or sheen |
| 1218 | 7.47 | 16.85    | 432       | 8.49      | 5            | Clear, no odor or sheen    |
| 1221 | 7.05 | 17.59    | 401       | 9.31      | 7.5          | "                          |
| 1225 | 6.95 | 17.66    | 385       | 6.08      | 10           | "                          |

TIME SAMPLED COLLECTED: 1225

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, no odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: MW-2s

DATE: 3/31/15

TOC ELEV: 141.86

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 10.99 |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.72 |
| WATER THICKNESS (h)       | 13.73 |

Groundwater Elevation: TOC-D = 130.87

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 7.0$ 

VOLUME OF WATER PURGED FROM WELL: 10 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE                 |
|------|------|----------|-----------|-----------|--------------|----------------------------|
| 1253 | 8.02 | 18.76    | 301       | 11.66     | 1            | Cloudy, no odor or sheen   |
| 1256 | 7.16 | 19.29    | 265       | 7.12      | 2.5          | "                          |
| 1300 | 6.84 | 18.49    | 256       | 7.67      | 5            | Clearing, no odor or sheen |
| 1305 | 6.62 | 18.79    | 253       | 6.01      | 7.5          | "                          |
| 1309 | 6.64 | 18.88    | 252       | 6.04      | 10           | Clear, no odor or sheen    |

TIME SAMPLED COLLECTED: 1309

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, no odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: MW-3s

DATE: 3/31/15

TOC ELEV: 141.82

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 10.71 |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.41 |
| WATER THICKNESS (h)       | 13.70 |

Groundwater Elevation: TOC-D = 131.11

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 6.98$ 

VOLUME OF WATER PURGED FROM WELL: 10 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE               |
|------|------|----------|-----------|-----------|--------------|--------------------------|
| 1443 | 8.48 | 20.64    | 426       | 9.17      | 1            | Cloudy, odor, no sheen   |
| 1447 | 7.98 | 19.31    | 402       | 3.84      | 2.5          | Clearing, odor, no sheen |
| 1450 | 7.76 | 19.12    | 397       | 5.76      | 5            | Clear, odor, no sheen    |
| 1453 | 7.59 | 19.38    | 389       | 4.85      | 7.5          | "                        |
| 1458 | 7.56 | 19.25    | 389       | 5.08      | 10           | "                        |

TIME SAMPLED COLLECTED: 1450

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, odor in sample.



**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: MW-4

DATE: 3/31/15

TOC ELEV: 140.78

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 9.61  |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.85 |
| WATER THICKNESS (h)       | 15.24 |

Groundwater Elevation: TOC-D = 131.17

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 7.77$ 

VOLUME OF WATER PURGED FROM WELL: 10.0 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE               |
|------|------|----------|-----------|-----------|--------------|--------------------------|
| 1333 | 6.97 | 19.45    | 850       | 12.27     | 1            | Cloudy, no odor or sheen |
| 135  | 6.95 | 19.41    | 879       | 9.01      | 2.5          | Clear, no odor or sheen  |
| 1338 | 6.96 | 19.32    | 941       | 7.83      | 5            | "                        |
| 1342 | 6.99 | 19.30    | 953       | 6.66      | 7.5          | "                        |
| 1345 | 6.99 | 19.14    | 962       | 6.77      | 10           | "                        |

TIME SAMPLED COLLECTED: 1345

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, no odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: B-15

DATE: 4/1/15

TOC ELEV: 139.89

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 8.86  |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.90 |
| WATER THICKNESS (h)       | 16.04 |

Groundwater Elevation: TOC-D = 131.03

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 8.18$ 

VOLUME OF WATER PURGED FROM WELL: 10 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE           |
|------|------|----------|-----------|-----------|--------------|----------------------|
| 1123 | 7.86 | 17.43    | 473       | 9.32      | 1            | Clear odor, no sheen |
| 1125 | 7.66 | 16.13    | 492       | 5.51      | 2.5          | "                    |
| 1129 | 7.21 | 18.03    | 485       | 5.13      | 5            | "                    |
| 1131 | 7.15 | 16.62    | 485       | 6.31      | 7.5          | "                    |
| 1134 | 7.20 | 18.78    | 485       | 7.08      | 10           | "                    |

TIME SAMPLED COLLECTED: 1134

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: B-16

DATE: 4/1/15

TOC ELEV: 140.49

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 9.49  |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.00 |
| WATER THICKNESS (h)       | 14.51 |

Groundwater Elevation: TOC-D = 131.00

## VOLUME OF WATER TO BE PURGED

3 Well Volumes:  $3 \times 0.17 \times h = 7.4$ 

VOLUME OF WATER PURGED FROM WELL: 10.0 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE                   |
|------|------|----------|-----------|-----------|--------------|------------------------------|
| 1219 | 8.19 | 17.49    | 365       | 9.24      | 1            | Cloudy, slight odor no sheen |
| 1222 | 7.82 | 17.43    | 360       | 4.44      | 2.5          | "                            |
| 1226 | 7.69 | 17.12    | 364       | 6.28      | 5            | Clear, faint odor no sheen   |
| 1230 | 7.61 | 17.48    | 362       | 6.41      | 7.5          | "                            |
| 1233 | 7.21 | 17.82    | 359       | 7.11      | 10           | "                            |

TIME SAMPLED COLLECTED: 1233

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, faint odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: B-17

DATE: 4/1/15

TOC ELEV: 140.84

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 9.78  |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 24.84 |
| WATER THICKNESS (h)       | 15.06 |

Groundwater Elevation: TOC-D = 131.06

## VOLUME OF WATER TO BE PURGED

3 Well Volumes:  $3 \times 0.17 \times h = 7.68$ 

VOLUME OF WATER PURGED FROM WELL: 10.0 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE                   |
|------|------|----------|-----------|-----------|--------------|------------------------------|
| 1346 | 7.44 | 18.53    | 498       | 8.47      | 1            | Cloudy, odor no sheen        |
| 1348 | 7.1  | 18.57    | 505       | 7.96      | 2.5          | Clearing, odor no sheen      |
| 1351 | 7.15 | 18.38    | 506       | 5.52      | 5            | Clear, slight odor, no sheen |
| 1354 | 7.4  | 18.14    | 512       | 4.54      | 7.5          | "                            |
| 1357 | 7.01 | 18.53    | 510       | 6.49      | 10           | "                            |

TIME SAMPLED COLLECTED: 1357

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, faint odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: B-27

DATE: 4/1/15

TOC ELEV: 140.26

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 8.68  |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 18.27 |
| WATER THICKNESS (h)       | 9.59  |

Groundwater Elevation: TOC-D = 131.58

**VOLUME OF WATER TO BE PURGED**3 Well Volumes:  $3 \times 0.17 \times h = 4.89$ 

VOLUME OF WATER PURGED FROM WELL: 10.0 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE            |
|------|------|----------|-----------|-----------|--------------|-----------------------|
| 1446 | 7.52 | 19.09    | 430       | 10.82     | 1            | Cloudy, odor no sheen |
| 1448 | 7.16 | 19.38    | 423       | 4.21      | 2.5          | Clear, odor no sheen  |
| 1451 | 7.14 | 18.92    | 418       | 3.47      | 5            | "                     |
| 1455 | 7.00 | 19.63    | 406       | 4.37      | 7.5          | "                     |
| 1458 | 6.94 | 18.78    | 391       | 3.84      | 10           | "                     |

TIME SAMPLED COLLECTED: 1458

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, odor in sample.

**MONITORING WELL SAMPLING DATA SHEET**

PROJECT NO: 451.0711

WELL NO: MW-3d

DATE: 4/1/15

TOC ELEV: 141.54

JOB NAME: 325 Yolanda Ave

BORING DIAMETER (d): 8"

JOB ADDRESS: Santa Rosa, CA

WELL CASING DIAMETER: 2"

SAMPLED BY: DLB

| DEPTH MEASURED            | FEET  |
|---------------------------|-------|
| DEPTH TO WATER (D)        | 10.79 |
| DEPTH TO PRODUCT          | na    |
| PRODUCT THICKNESS         | 0     |
| DEPTH TO BOTTOM OF CASING | 34.0  |
| WATER THICKNESS (h)       | 23.21 |

Groundwater Elevation: TOC-D = 130.75

## VOLUME OF WATER TO BE PURGED

3 Well Volumes:  $3 \times 0.17 \times h = 11.84$ 

VOLUME OF WATER PURGED FROM WELL: 15 gallons

| TIME | pH   | TEMP (C) | TDS (ppm) | DO (mg/L) | VOLUME (gal) | APPEARANCE                  |
|------|------|----------|-----------|-----------|--------------|-----------------------------|
| 1034 | 8.42 | 15.93    | 456       | 17.26     | 1            | Cloudy, no odor or sheen    |
| 1037 | 7.92 | 16.49    | 447       | 4.26      | 5            | Clear, slight odor or sheen |
| 1041 | 7.73 | 16.59    | 442       | 4.94      | 7.5          | "                           |
| 1044 | 7.45 | 17.34    | 431       | 3.49      | 10           | "                           |
| 1047 | 7.14 | 17.70    | 429       | 6.97      | 12.5         | "                           |
| 1051 | 7.13 | 17.70    | 430       | 4.03      | 15           | "                           |

TIME SAMPLED COLLECTED: 1051

SAMPLING METHOD: Low flow

SAMPLE CONTAINERS: three preserved 40 ml VOAs, two unpreserved 40 mL VOAs, two preserved 250 mL plastic, one unpreserved 250 mL plastic

TESTS REQUIRED: EPA 8260+GRO, Cr, Mo, Se, V, Cr+6, Br+, Br-, DO, ORP

ANALYTICAL LAB: Analytical Sciences, Petaluma

COMMENTS: Started cloudy, then cleared, slight odor in sample.





### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-01 | MW-1s     | Gasoline      | ND            | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 03/31/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-02 | MW-2s     | Gasoline      | ND            | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 03/31/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-03 | MW-3s     | Gasoline      | 6300          | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 03/31/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-04 | MW-4s     | Gasoline      | ND            | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 03/31/15 | Method:        | EPA 8015B |           |         |





### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L)        |
|----------------------|---------------|--------------------------------|----------------------|-------------------|
| 5033119-01           | MW-1s         | Benzene                        | ND                   | 1.0               |
|                      |               | Toluene                        | ND                   | 1.0               |
|                      |               | Ethylbenzene                   | ND                   | 1.0               |
|                      |               | m,p-Xylene                     | ND                   | 1.0               |
|                      |               | o-Xylene                       | ND                   | 1.0               |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 1.0               |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 1.0               |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12                |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0               |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0               |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0               |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0               |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |                   |
| Dibromofluoromethane | 20.5          | 103                            | 70-130               |                   |
| Toluene-d8           | 22.3          | 112                            | 70-130               |                   |
| 4-Bromofluorobenzene | 21.0          | 105                            | 70-130               |                   |
| Date Sampled:        | 03/31/15      | Date Analyzed:                 | 04/06/15             | QC Batch: B014474 |
| Date Received:       | 03/31/15      | Method:                        | EPA 8260B            |                   |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L) |
|----------------------|---------------|--------------------------------|----------------------|------------|
| 5033119-02           | MW-2s         | Benzene                        | ND                   | 1.0        |
|                      |               | Toluene                        | ND                   | 1.0        |
|                      |               | Ethylbenzene                   | ND                   | 1.0        |
|                      |               | m,p-Xylene                     | ND                   | 1.0        |
|                      |               | o-Xylene                       | ND                   | 1.0        |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 1.0        |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 1.0        |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12         |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0        |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0        |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0        |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0        |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |            |
| Dibromofluoromethane | 18.5          | 92                             | 70-130               |            |
| Toluene-d8           | 22.6          | 113                            | 70-130               |            |
| 4-Bromofluorobenzene | 20.4          | 102                            | 70-130               |            |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: B014474 |
| Date Received: | 03/31/15 | Method:        | EPA 8260B |                   |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L) |
|----------------------|---------------|--------------------------------|----------------------|------------|
| 5033119-03           | MW-3s         | Benzene                        | 220                  | 5.0        |
|                      |               | Toluene                        | 16                   | 5.0        |
|                      |               | Ethylbenzene                   | 280                  | 5.0        |
|                      |               | m,p-Xylene                     | 320                  | 5.0        |
|                      |               | o-Xylene                       | 13                   | 5.0        |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 5.0        |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 5.0        |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 60         |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 5.0        |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 5.0        |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 5.0        |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 5.0        |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |            |
| Dibromofluoromethane | 19.0          | 95                             | 70-130               |            |
| Toluene-d8           | 20.4          | 102                            | 70-130               |            |
| 4-Bromofluorobenzene | 21.2          | 106                            | 70-130               |            |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014474 |
| Date Received: | 03/31/15 | Method:        | EPA 8260B |           |         |



### Volatile Hydrocarbons by GC/MS

| Lab#       | Sample ID            | Compound Name                  | Result (µg/L) | RDL (µg/L)           |
|------------|----------------------|--------------------------------|---------------|----------------------|
| 5033119-04 | MW-4s                | Benzene                        | ND            | 1.0                  |
|            |                      | Toluene                        | ND            | 1.0                  |
|            |                      | Ethylbenzene                   | ND            | 1.0                  |
|            |                      | m,p-Xylene                     | ND            | 1.0                  |
|            |                      | o-Xylene                       | ND            | 1.0                  |
|            |                      | 1,2-Dichloroethane (EDC)       | ND            | 1.0                  |
|            |                      | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|            |                      | Tertiary Butyl Alcohol (TBA)   | ND            | 12                   |
|            |                      | Methyl tert-Butyl Ether (MTBE) | ND            | 1.0                  |
|            |                      | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|            |                      | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|            |                      | Tert-Amlyl Methyl Ether (TAME) | ND            | 1.0                  |
| Surrogates |                      | Result (µg/L)                  | % Recovery    | Acceptance Range (%) |
|            | Dibromofluoromethane | 19.2                           | 96            | 70-130               |
|            | Toluene-d8           | 21.6                           | 108           | 70-130               |
|            | 4-Bromofluorobenzene | 19.5                           | 98            | 70-130               |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014474 |
| Date Received: | 03/31/15 | Method:        | EPA 8260B |           |         |

### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5033119-01 | MW-1s     | Chromium (Cr)   | ND            | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15  | QC Batch: | B014486 |
| Date Received: | 03/31/15 | Method:        | EPA 6010B |           |         |



### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5033119-02 | MW-2s     | Chromium (Cr)   | ND            | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15  | QC Batch: | B014486 |
| Date Received: | 03/31/15 | Method:        | EPA 6010B |           |         |

### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5033119-03 | MW-3s     | Chromium (Cr)   | 0.013         | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15  | QC Batch: | B014486 |
| Date Received: | 03/31/15 | Method:        | EPA 6010B |           |         |

### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5033119-04 | MW-4s     | Chromium (Cr)   | ND            | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15  | QC Batch: | B014486 |
| Date Received: | 03/31/15 | Method:        | EPA 6010B |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5033119-01 | MW-1s     | Dissolved Oxygen | 3.5           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15         | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 4500-O G-2011 |           |         |



### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5033119-02 | MW-2s     | Dissolved Oxygen | 5.1           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15         | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 4500-O G-2011 |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5033119-03 | MW-3s     | Dissolved Oxygen | 2.8           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15         | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 4500-O G-2011 |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5033119-04 | MW-4s     | Dissolved Oxygen | 5.4           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15         | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 4500-O G-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5033119-01 | MW-1s     | Oxidation Reduction Potential (ORP) | 350         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15       | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 2580 B-2011 |           |         |



### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5033119-02 | MW-2s     | Oxidation Reduction Potential (ORP) | 350         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15       | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 2580 B-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5033119-03 | MW-3s     | Oxidation Reduction Potential (ORP) | 360         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15       | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 2580 B-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5033119-04 | MW-4s     | Oxidation Reduction Potential (ORP) | 350         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/01/15       | QC Batch: | B014487 |
| Date Received: | 03/31/15 | Method:        | SM 2580 B-2011 |           |         |

### Bromate

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-01 | MW-1s     | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |



### Bromate

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-02 | MW-2s     | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Bromate

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-03 | MW-3s     | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Bromate

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-04 | MW-4s     | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/10/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-01 | MW-1s     | Bromide       | 0.17          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |





### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-02 | MW-2s     | Bromide       | 0.27          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-03 | MW-3s     | Bromide       | 0.15          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5033119-04 | MW-4s     | Bromide       | 0.67          | 0.025      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/10/15  | QC Batch: | B014527 |
| Date Received: | 03/31/15 | Method:        | EPA 300.1 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5033119-01 | MW-1s     | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 03/31/15 | Method:        | EPA 218.6 |           |         |



### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5033119-02 | MW-2s     | Hexavalent Chromium (Cr+6) | 1.5           | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 03/31/15 | Method:        | EPA 218.6 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5033119-03 | MW-3s     | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 03/31/15 | Method:        | EPA 218.6 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5033119-04 | MW-4s     | Hexavalent Chromium (Cr+6) | 1.3           | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 03/31/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 03/31/15 | Method:        | EPA 218.6 |           |         |



## Quality Assurance Report

### TPH Gasoline

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B014498 - EPA 5030 GC**

**Blank (B014498-BLK1)**

Prepared & Analyzed: 04/06/15

|          |    |    |      |
|----------|----|----|------|
| Gasoline | ND | 50 | µg/L |
|----------|----|----|------|

**Matrix Spike (B014498-MS1)**

Source: 5033119-01

Prepared & Analyzed: 04/06/15

|              |      |      |      |      |    |     |        |
|--------------|------|------|------|------|----|-----|--------|
| Benzene      | 10.1 | 0.50 | µg/L | 10.0 | ND | 101 | 70-130 |
| Toluene      | 9.59 | 0.50 | µg/L | 10.0 | ND | 96  | 70-130 |
| Ethylbenzene | 9.44 | 0.50 | µg/L | 10.0 | ND | 94  | 70-130 |
| Xylenes      | 29.1 | 1.5  | µg/L | 30.0 | ND | 97  | 70-130 |

**Matrix Spike Dup (B014498-MSD1)**

Source: 5033119-01

Prepared & Analyzed: 04/06/15

|              |      |      |      |      |    |     |        |      |    |
|--------------|------|------|------|------|----|-----|--------|------|----|
| Benzene      | 10.1 | 0.50 | µg/L | 10.0 | ND | 101 | 70-130 | 0.09 | 20 |
| Toluene      | 9.46 | 0.50 | µg/L | 10.0 | ND | 95  | 70-130 | 1    | 20 |
| Ethylbenzene | 9.44 | 0.50 | µg/L | 10.0 | ND | 94  | 70-130 | 0.03 | 20 |
| Xylenes      | 29.0 | 1.5  | µg/L | 30.0 | ND | 97  | 70-130 | 0.09 | 20 |



## Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

### Batch B014474 - EPA 5030 GC/MS

#### Blank (B014474-BLK1)

Prepared & Analyzed: 03/26/15

|                                |    |     |      |  |  |  |  |  |  |
|--------------------------------|----|-----|------|--|--|--|--|--|--|
| Benzene                        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Toluene                        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Ethylbenzene                   | ND | 1.0 | µg/L |  |  |  |  |  |  |
| m,p-Xylene                     | ND | 1.0 | µg/L |  |  |  |  |  |  |
| o-Xylene                       | ND | 1.0 | µg/L |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)       | ND | 1.0 | µg/L |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Tertiary Butyl Alcohol (TBA)   | ND | 12  | µg/L |  |  |  |  |  |  |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Di-isopropyl Ether (DIPE)      | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Ethyl tert-Butyl Ether (ETBE)  | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Tert-Amyl Methyl Ether (TAME)  | ND | 1.0 | µg/L |  |  |  |  |  |  |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 21.1 |  | µg/L | 20.0 |  | 105 | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 20.0 |  | µg/L | 20.0 |  | 100 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.5 |  | µg/L | 20.0 |  | 102 | 70-130 |  |  |

#### Matrix Spike (B014474-MS1)

Source: 5032601-02

Prepared & Analyzed: 03/26/15

|                              |      |     |      |      |    |     |        |  |  |
|------------------------------|------|-----|------|------|----|-----|--------|--|--|
| 1,1-Dichloroethene (1,1-DCE) | 26.9 | 1.0 | µg/L | 25.0 | ND | 108 | 70-130 |  |  |
| Benzene                      | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 |  |  |
| Trichloroethene (TCE)        | 26.5 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 |  |  |
| Toluene                      | 29.6 | 1.0 | µg/L | 25.0 | ND | 118 | 70-130 |  |  |
| Chlorobenzene                | 24.7 | 1.0 | µg/L | 25.0 | ND | 99  | 70-130 |  |  |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 19.4 |  | µg/L | 20.0 |  | 97  | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 21.9 |  | µg/L | 20.0 |  | 109 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.3 |  | µg/L | 20.0 |  | 102 | 70-130 |  |  |

#### Matrix Spike Dup (B014474-MSD1)

Source: 5032601-02

Prepared & Analyzed: 03/26/15

|                              |      |     |      |      |    |     |        |      |    |
|------------------------------|------|-----|------|------|----|-----|--------|------|----|
| 1,1-Dichloroethene (1,1-DCE) | 27.0 | 1.0 | µg/L | 25.0 | ND | 108 | 70-130 | 0.3  | 20 |
| Benzene                      | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 | 0.04 | 20 |
| Trichloroethene (TCE)        | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 | 0.2  | 20 |
| Toluene                      | 29.2 | 1.0 | µg/L | 25.0 | ND | 117 | 70-130 | 1    | 20 |
| Chlorobenzene                | 24.6 | 1.0 | µg/L | 25.0 | ND | 98  | 70-130 | 0.5  | 20 |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 19.2 |  | µg/L | 20.0 |  | 96  | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 21.6 |  | µg/L | 20.0 |  | 108 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.0 |  | µg/L | 20.0 |  | 100 | 70-130 |  |  |



## Metals

| Analyte                          | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------|--------|-----------------|-------|-------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch B014486 - EPA 3010A</b> |        |                 |       |                               |               |      |             |      |           |       |
| <b>Blank (B014486-BLK1)</b>      |        |                 |       | Prepared & Analyzed: 04/01/15 |               |      |             |      |           |       |
| Chromium (Cr)                    | ND     | 0.010           | mg/L  |                               |               |      |             |      |           |       |
| Molybdenum (Mo)                  | ND     | 0.020           | mg/L  |                               |               |      |             |      |           |       |
| Vanadium (V)                     | ND     | 0.050           | mg/L  |                               |               |      |             |      |           |       |
| <b>LCS (B014486-BS1)</b>         |        |                 |       | Prepared & Analyzed: 04/01/15 |               |      |             |      |           |       |
| Chromium (Cr)                    | 0.553  | 0.010           | mg/L  | 0.500                         |               | 111  | 70-130      |      |           |       |
| Molybdenum (Mo)                  | 0.529  | 0.020           | mg/L  | 0.500                         |               | 106  | 70-130      |      |           |       |
| Vanadium (V)                     | 0.538  | 0.050           | mg/L  | 0.500                         |               | 108  | 70-130      |      |           |       |
| <b>LCS Dup (B014486-BSD1)</b>    |        |                 |       | Prepared & Analyzed: 04/01/15 |               |      |             |      |           |       |
| Chromium (Cr)                    | 0.552  | 0.010           | mg/L  | 0.500                         |               | 110  | 70-130      | 0.09 | 20        |       |
| Molybdenum (Mo)                  | 0.530  | 0.020           | mg/L  | 0.500                         |               | 106  | 70-130      | 0.2  | 20        |       |
| Vanadium (V)                     | 0.538  | 0.050           | mg/L  | 0.500                         |               | 108  | 70-130      | 0.1  | 20        |       |



### Dissolved Oxygen

| Analyte                         | Result | Reporting Limit           | Units | Spike Level | Source Result                            | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|---------------------------|-------|-------------|--|------|-------------|-----|-----------|-------|
| <b>Batch B014487 - NO PREP</b>  |        |                           |       |             |  |      |             |     |           |       |
| <b>Duplicate (B014487-DUP1)</b> |        | <b>Source: 5033119-01</b> |       |             | <b>Prepared &amp; Analyzed: 04/01/15</b> |      |             |     |           |       |
| Dissolved Oxygen                | 3.50   | 0.20                      | mg/L  |             | 3.51                                     |      |             | 0.3 | 15        |       |



### Oxygen Reduction Potential (ORP)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B014487 - NO PREP**

| <b>Duplicate (B014487-DUP1)</b>     | <b>Source: 5033119-01</b> |      |    | <b>Prepared &amp; Analyzed: 04/01/15</b> |     |  |  |     |    |  |
|-------------------------------------|---------------------------|------|----|--|-----|--|--|-----|----|--|
| Oxidation Reduction Potential (ORP) | 350                       | 0.50 | mV |  | 352 |  |  | 0.6 | 15 |  |



## Bromate

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level                | Source<br>Result | %REC | %REC<br>Limits                        | RPD | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|-------|-------------------------------|------------------|------|---------------------------------------|-----|--------------|-------|
| <b>Batch B014527 - NO PREP</b>    |        |                    |       |                               |                  |      |                                       |     |              |       |
| <b>Blank (B014527-BLK1)</b>       |        |                    |       | Prepared & Analyzed: 04/09/15 |                  |      |                                       |     |              |       |
| Bromate                           | ND     | 0.002              | mg/L  |                               |                  |      |                                       |     |              |       |
| <b>LCS (B014527-BS1)</b>          |        |                    |       | Prepared & Analyzed: 04/09/15 |                  |      |                                       |     |              |       |
| Bromate                           | 0.020  | 0.002              | mg/L  | 0.0200                        |                  | 102  | 85-115                                |     |              |       |
| <b>Matrix Spike (B014527-MS1)</b> |        |                    |       | Source: 5040710-01            |                  |      | Prepared & Analyzed: 04/09/15         |     |              |       |
| Bromate                           | 0.036  | 0.005              | mg/L  | 0.0400                        | ND               | 90   | 75-125                                |     |              |       |
| <b>Matrix Spike (B014527-MS2)</b> |        |                    |       | Source: 5040117-05            |                  |      | Prepared: 04/09/15 Analyzed: 04/10/15 |     |              |       |
| Bromate                           | 0.089  | 0.012              | mg/L  | 0.100                         | ND               | 89   | 75-125                                |     |              |       |





## Bromide

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B014527 - NO PREP</b>                           |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B014527-BLK1)</b>                              |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 04/09/15                            |        |                 |       |             |               |      |             |     |           |       |
| Bromide  | ND     | 0.005           | mg/L  |             |               |      |             |     |           |       |
| <b>LCS (B014527-BS1)</b>                                 |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 04/09/15                            |        |                 |       |             |               |      |             |     |           |       |
| Bromide  | 0.051  | 0.005           | mg/L  | 0.0500      |               | 101  | 85-115      |     |           |       |
| <b>Matrix Spike (B014527-MS1)</b>                        |        |                 |       |             |               |      |             |     |           |       |
| Source: 5040710-01 Prepared & Analyzed: 04/09/15         |        |                 |       |             |               |      |             |     |           |       |
| Bromide  | 0.160  | 0.010           | mg/L  | 0.100       | 0.056         | 104  | 75-125      |     |           |       |
| <b>Matrix Spike (B014527-MS2)</b>                        |        |                 |       |             |               |      |             |     |           |       |
| Source: 5040117-05 Prepared: 04/09/15 Analyzed: 04/10/15 |        |                 |       |             |               |      |             |     |           |       |
| Bromide  | 0.538  | 0.025           | mg/L  | 0.250       | 0.270         | 107  | 75-125      |     |           |       |



## Hexavalent Chromium

| Analyte                                | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result              | %REC<br>%REC | %REC<br>Limits                | RPD | RPD<br>Limit | Notes |
|--|--------|--------------------|-------|----------------|-------------------------------|--------------|-------------------------------|-----|--------------|-------|
| <b>Batch B014512 - NO PREP</b>         |        |                    |       |                |                               |              |                               |     |              |       |
| <b>Blank (B014512-BLK1)</b>            |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Prepared & Analyzed: 04/08/15 |              |                               |     |              |       |
| Hexavalent Chromium (Cr+6)             | ND     | 1.0                | µg/L  |                |                               |              |                               |     |              |       |
| <b>LCS (B014512-BS1)</b>               |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Prepared & Analyzed: 04/08/15 |              |                               |     |              |       |
| Hexavalent Chromium (Cr+6)             | 9.93   | 1.0                | µg/L  | 10.0           |                               | 99           | 90-110                        |     |              |       |
| <b>Matrix Spike (B014512-MS1)</b>      |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Source: 5033006-02            |              | Prepared & Analyzed: 04/08/15 |     |              |       |
| Hexavalent Chromium (Cr+6)             | 10.3   | 1.0                | µg/L  | 10.0           | ND                            | 103          | 85-115                        |     |              |       |
| <b>Matrix Spike Dup (B014512-MSD1)</b> |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Source: 5033006-02            |              | Prepared & Analyzed: 04/08/15 |     |              |       |
| Hexavalent Chromium (Cr+6)             | 10.2   | 1.0                | µg/L  | 10.0           | ND                            | 102          | 85-115                        | 1   | 20           |       |



## Notes and Definitions

---

|     |  |
|-----|--|
| RDL | Reporting Detection Limit  |
| ND  | Analyte NOT DETECTED at or above the reporting detection limit (RDL) |
| RPD | Relative Percent Difference  |
| NR  | Not Reported   |



Analytical Sciences  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

# CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5033119

CLIENT'S PROJECT NAME: 325 YOLANDA AVE

CLIENT'S PROJECT NUMBER: \_\_\_\_\_

## CLIENT INFORMATION

COMPANY NAME: ENVIRONMENTAL GEOLOGY SERVICES

ADDRESS: 1695 WILLOWSIDE ROAD

SANTA ROSA, CA 95401

CONTACT: MARC W. SEELEY

PHONE#: 707-528-0810

FAX #: 707-528-1956

## TURNAROUND TIME (check one)

MOBILE LAB \_\_\_\_\_

SAME DAY \_\_\_\_\_

48 HOURS \_\_\_\_\_

5 DAYS \_\_\_\_\_

72 HOURS \_\_\_\_\_

24 HOURS \_\_\_\_\_

NORMAL

GEOTRACKER EDF:  Y  N

GLOBAL ID: \_\_\_\_\_

COOLER TEMPERATURE

1060 °C

COC

PAGE 1 OF 1

## ANALYSIS

| ITEM | CLIENT SAMPLE I.D. | DATE SAMPLED | TIME | MATRIX           | # CONT. | PRESV. YES/NO | TPH-G | 8260 BTEX, Oxy & Pb Scavengers | Cr, Mo, Se & V | Hex-Chrome | Bromate Bromide | Diss. Oxygen | ORP | COMMENTS | LAB SAMPLE # |
|------|--------------------|--------------|------|------------------|---------|---------------|-------|--------------------------------|----------------|------------|-----------------|--------------|-----|----------|--------------|
| 1    | Mw-1s              | 3/31/15      | 1225 | H <sub>2</sub> O | 8       | Y/N           | X     | X                              | X              | X          | X               | X            | X   |          | 5033119-01   |
| 2    | Mw-2s              | ↓            | 1309 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   |          | -02          |
| 3    | Mw-3s              | ↓            | 1455 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   |          | -03          |
| 4    | Mw-4               | ↓            | 1345 | X                | X       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   |          | -04          |
| 5    | B-15               |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 6    | B-16               |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 7    | B-17               |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 8    | B-27               |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 9    | Mw-3d              |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 10   |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 11   |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |

## SIGNATURES

SAMPLED BY: DAVID BUSH

RELINQUISHED BY: \_\_\_\_\_

SIGNATURE

DATE

TIME

RECEIVED BY LABORATORY: \_\_\_\_\_

SIGNATURE

DATE

TIME



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

# Analytical Report

**Client:** Analytical Sciences  
**Project:** #5033119; 325 Yolanda Ave  
**Date Received:** 4/1/15 13:01  
**Date Prepared:** 4/2/15

**WorkOrder:** 1504025  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

## Metals

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| MW-1s     | 1504025-001A | Water          | 03/31/2015 12:25 | ICP-MS1    | 103126   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/02/2015 16:37 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| MW-2s     | 1504025-002A | Water          | 03/31/2015 13:09 | ICP-MS1    | 103126   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/02/2015 16:42 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| MW-3s     | 1504025-003A | Water          | 03/31/2015 14:55 | ICP-MS1    | 103126   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/02/2015 16:47 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| MW-4      | 1504025-004A | Water          | 03/31/2015 13:45 | ICP-MS1    | 103126   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/02/2015 16:52 |

Analyst(s): DVH



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

# CHAIN OF CUSTODY

SUBCONTRACT LAB: McC Campbell Analytical

AS Project Name: 325 Yolanda Ave

AS Project Number: 5633119

**CLIENT INFORMATION**

Company Name: **ANALYTICAL SCIENCES**

Address: **P.O. BOX 750336**

**PETALUMA, CA 94975-0336**

Contact: **MARK VALENTINI**

Phone #: **707-769-3128**

Fax #: **707-769-8093**

email: **analytical110@aol.com**

EDT Required: Yes No

System ID:

**TURNAROUND TIME (check one)**

Same Day  72 Hours

48 Hours  24 Hours

5 Days  Normal

Page 1 of 1

**ANALYSIS**

| Item | Client Sample ID | Date Sampled | Time | Matrix | # Cont. | Presv. Y/N | Arsenic by 200.8 | Lead by 200.8 | Selenium by 200.8 | Antimony by 200.8 | Thallium by 200.8 |  |  |  |  |  |  |  |  | Comments | Lab Sample # |  |
|------|------------------|--------------|------|--------|---------|------------|------------------|---------------|-------------------|-------------------|-------------------|--|--|--|--|--|--|--|--|----------|--------------|--|
| ✓ 1  | MW-1s            | 3/31/15      | 1225 | W      | 1       | Y          |                  |               | X                 |                   |                   |  |  |  |  |  |  |  |  | 5033119  | -01          |  |
| ✓ 2  | MW-2s            | ↓            | 1309 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |  |  | ↓        | -02          |  |
| ⊗ 3  | MW-3s            | ↓            | 1455 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |  |  | ↓        | -03          |  |
| ⊗ 4  | MW-4             | ↓            | 1345 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |  |  | ↓        | -04          |  |
| 5    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |
| 6    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |
| 7    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |
| 8    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |
| 9    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |
| 10   |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |  |  |          |              |  |

**SIGNATURES**

Relinquished By:

Alonzo

Signature

4/1/15 0900

Date

Time

Received By:

[Signature]

Signature

4-1-15 0900

Date

Time

[Signature] 4-1-15 1210

[Signature] 4/1/15 1210



Report Date: April 16, 2015

## Laboratory Report

Marc Seeley  
Environmental Geology Services, Inc.  
1695 Willowside Road  
Santa Rosa, CA 95401

Project Name: **325 Yolanda Ave.** **451.0711**  
Lab Project Number: **5040117**

This 24 page report of analytical data has been reviewed and approved for release.

---

Mark A. Valentini, Ph.D.

Laboratory Director



### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-01 | B-15      | Gasoline      | 4300          | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 04/01/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-02 | B-16      | Gasoline      | 1800          | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 04/01/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-03 | B-17      | Gasoline      | 3200          | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 04/01/15 | Method:        | EPA 8015B |           |         |

### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-04 | B-27      | Gasoline      | 6200          | 50         |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014498 |
| Date Received: | 04/01/15 | Method:        | EPA 8015B |           |         |





### TPH Gasoline

| Lab#       | Sample ID | Compound Name | Result (µg/L) | RDL (µg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-05 | MW-3d     | Gasoline      | 200           | 50         |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: B014498 |
| Date Received: | 04/01/15 | Method:        | EPA 8015B |                   |

### Volatile Hydrocarbons by GC/MS

| Lab#       | Sample ID | Compound Name                  | Result (µg/L) | RDL (µg/L) |
|------------|-----------|--------------------------------|---------------|------------|
| 5040117-01 | B-15      | Benzene                        | 540           | 10         |
|            |           | Toluene                        | 32            | 1.0        |
|            |           | Ethylbenzene                   | 11            | 1.0        |
|            |           | m,p-Xylene                     | 25            | 1.0        |
|            |           | o-Xylene                       | 1.4           | 1.0        |
|            |           | 1,2-Dichloroethane (EDC)       | ND            | 1.0        |
|            |           | 1,2-Dibromoethane (EDB)        | ND            | 1.0        |
|            |           | Tertiary Butyl Alcohol (TBA)   | ND            | 12         |
|            |           | Methyl tert-Butyl Ether (MTBE) | ND            | 1.0        |
|            |           | Di-isopropyl Ether (DIPE)      | ND            | 1.0        |
|            |           | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0        |
|            |           | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0        |

| Surrogates           | Result (µg/L) | % Recovery | Acceptance Range (%) |
|----------------------|---------------|------------|----------------------|
| Dibromofluoromethane | 20.4          | 102        | 70-130               |
| Toluene-d8           | 22.3          | 111        | 70-130               |
| 4-Bromofluorobenzene | 21.5          | 108        | 70-130               |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: B014474 |
| Date Received: | 04/01/15 | Method:        | EPA 8260B |                   |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L) |
|----------------------|---------------|--------------------------------|----------------------|------------|
| 5040117-02           | B-16          | Benzene                        | 130                  | 5.0        |
|                      |               | Toluene                        | 6.6                  | 1.0        |
|                      |               | Ethylbenzene                   | 3.0                  | 1.0        |
|                      |               | m,p-Xylene                     | 3.6                  | 1.0        |
|                      |               | o-Xylene                       | ND                   | 1.0        |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 1.0        |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 1.0        |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12         |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0        |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0        |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0        |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0        |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |            |
| Dibromofluoromethane | 18.1          | 90                             | 70-130               |            |
| Toluene-d8           | 22.4          | 112                            | 70-130               |            |
| 4-Bromofluorobenzene | 21.6          | 108                            | 70-130               |            |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014474 |
| Date Received: | 04/01/15 | Method:        | EPA 8260B |           |         |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L)        |
|----------------------|---------------|--------------------------------|----------------------|-------------------|
| 5040117-03           | B-17          | Benzene                        | 66                   | 1.0               |
|                      |               | Toluene                        | 5.6                  | 1.0               |
|                      |               | Ethylbenzene                   | 3.5                  | 1.0               |
|                      |               | m,p-Xylene                     | 7.4                  | 1.0               |
|                      |               | o-Xylene                       | ND                   | 1.0               |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 1.0               |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 1.0               |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12                |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0               |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0               |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0               |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0               |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |                   |
| Dibromofluoromethane | 20.7          | 103                            | 70-130               |                   |
| Toluene-d8           | 21.5          | 107                            | 70-130               |                   |
| 4-Bromofluorobenzene | 21.6          | 108                            | 70-130               |                   |
| Date Sampled:        | 04/01/15      | Date Analyzed:                 | 04/06/15             | QC Batch: B014474 |
| Date Received:       | 04/01/15      | Method:                        | EPA 8260B            |                   |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L) |
|----------------------|---------------|--------------------------------|----------------------|------------|
| 5040117-04           | B-27          | Benzene                        | 250                  | 10         |
|                      |               | Toluene                        | 11                   | 10         |
|                      |               | Ethylbenzene                   | 470                  | 10         |
|                      |               | m,p-Xylene                     | 190                  | 10         |
|                      |               | o-Xylene                       | ND                   | 10         |
|                      |               | 1,2-Dichloroethane (EDC)       | ND                   | 10         |
|                      |               | 1,2-Dibromoethane (EDB)        | ND                   | 10         |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 120        |
|                      |               | Methyl tert-Butyl Ether (MTBE) | 13                   | 10         |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 10         |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 10         |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 10         |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |            |
| Dibromofluoromethane | 17.5          | 87                             | 70-130               |            |
| Toluene-d8           | 21.0          | 105                            | 70-130               |            |
| 4-Bromofluorobenzene | 19.5          | 97                             | 70-130               |            |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: B014474 |
| Date Received: | 04/01/15 | Method:        | EPA 8260B |                   |



### Volatile Hydrocarbons by GC/MS

| Lab#       | Sample ID            | Compound Name                  | Result (µg/L) | RDL (µg/L)           |
|------------|----------------------|--------------------------------|---------------|----------------------|
| 5040117-05 | MW-3d                | Benzene                        | ND (2)        | 1.0                  |
|            |                      | Toluene                        | ND            | 1.0                  |
|            |                      | Ethylbenzene                   | ND            | 1.0                  |
|            |                      | m,p-Xylene                     | ND            | 1.0                  |
|            |                      | o-Xylene                       | ND            | 1.0                  |
|            |                      | 1,2-Dichloroethane (EDC)       | 1.4           | 1.0                  |
|            |                      | 1,2-Dibromoethane (EDB)        | ND            | 1.0                  |
|            |                      | Tertiary Butyl Alcohol (TBA)   | ND            | 12                   |
|            |                      | Methyl tert-Butyl Ether (MTBE) | 6.2           | 1.0                  |
|            |                      | Di-isopropyl Ether (DIPE)      | ND            | 1.0                  |
|            |                      | Ethyl tert-Butyl Ether (ETBE)  | ND            | 1.0                  |
|            |                      | Tert-Amyl Methyl Ether (TAME)  | ND            | 1.0                  |
| Surrogates |                      | Result (µg/L)                  | % Recovery    | Acceptance Range (%) |
|            | Dibromofluoromethane | 17.6                           | 88            | 70-130               |
|            | Toluene-d8           | 20.6                           | 103           | 70-130               |
|            | 4-Bromofluorobenzene | 21.0                           | 105           | 70-130               |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/06/15  | QC Batch: | B014474 |
| Date Received: | 04/01/15 | Method:        | EPA 8260B |           |         |

### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5040117-01 | B-15      | Chromium (Cr)   | ND            | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15  | QC Batch: | B014493 |
| Date Received: | 04/01/15 | Method:        | EPA 6010B |           |         |



### Metals

| Lab#       | Sample ID   | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-------------|-----------------|---------------|------------|
| 5040117-02 | <b>B-16</b> | Chromium (Cr)   | ND            | 0.010      |
|            |             | Molybdenum (Mo) | ND            | 0.020      |
|            |             | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15  | QC Batch: | B014493 |
| Date Received: | 04/01/15 | Method:        | EPA 6010B |           |         |

### Metals

| Lab#       | Sample ID   | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-------------|-----------------|---------------|------------|
| 5040117-03 | <b>B-17</b> | Chromium (Cr)   | ND            | 0.010      |
|            |             | Molybdenum (Mo) | ND            | 0.020      |
|            |             | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15  | QC Batch: | B014493 |
| Date Received: | 04/01/15 | Method:        | EPA 6010B |           |         |

### Metals

| Lab#       | Sample ID   | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-------------|-----------------|---------------|------------|
| 5040117-04 | <b>B-27</b> | Chromium (Cr)   | ND            | 0.010      |
|            |             | Molybdenum (Mo) | ND            | 0.020      |
|            |             | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15  | QC Batch: | B014493 |
| Date Received: | 04/01/15 | Method:        | EPA 6010B |           |         |



### Metals

| Lab#       | Sample ID | Compound Name   | Result (mg/L) | RDL (mg/L) |
|------------|-----------|-----------------|---------------|------------|
| 5040117-05 | MW-3d     | Chromium (Cr)   | 0.013         | 0.010      |
|            |           | Molybdenum (Mo) | ND            | 0.020      |
|            |           | Vanadium (V)    | ND            | 0.050      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15  | QC Batch: | B014493 |
| Date Received: | 04/01/15 | Method:        | EPA 6010B |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5040117-01 | B-15      | Dissolved Oxygen | 3.0           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15         | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 4500-O G-2011 |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5040117-02 | B-16      | Dissolved Oxygen | 3.5           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15         | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 4500-O G-2011 |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5040117-03 | B-17      | Dissolved Oxygen | 2.6           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15         | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 4500-O G-2011 |           |         |



### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5040117-04 | B-27      | Dissolved Oxygen | 2.1           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15         | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 4500-O G-2011 |           |         |

### Dissolved Oxygen

| Lab#       | Sample ID | Compound Name    | Result (mg/L) | RDL (mg/L) |
|------------|-----------|------------------|---------------|------------|
| 5040117-05 | MW-3d     | Dissolved Oxygen | 2.8           | 0.20       |

|                |          |                |                  |           |         |
|----------------|----------|----------------|------------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15         | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 4500-O G-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5040117-01 | B-15      | Oxidation Reduction Potential (ORP) | 240         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15       | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 2580 B-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5040117-02 | B-16      | Oxidation Reduction Potential (ORP) | 210         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15       | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 2580 B-2011 |           |         |





### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5040117-03 | B-17      | Oxidation Reduction Potential (ORP) | 200         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15       | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 2580 B-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5040117-04 | B-27      | Oxidation Reduction Potential (ORP) | 210         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15       | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 2580 B-2011 |           |         |

### Oxygen Reduction Potential (ORP)

| Lab#       | Sample ID | Compound Name                       | Result (mV) | RDL (mV) |
|------------|-----------|-------------------------------------|-------------|----------|
| 5040117-05 | MW-3d     | Oxidation Reduction Potential (ORP) | 200         | 0.50     |

|                |          |                |                |           |         |
|----------------|----------|----------------|----------------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/02/15       | QC Batch: | B014487 |
| Date Received: | 04/01/15 | Method:        | SM 2580 B-2011 |           |         |

### Bromate

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-01 | B-15      | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |



### Bromate

| Lab#       | Sample ID   | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-------------|---------------|---------------|------------|
| 5040117-02 | <b>B-16</b> | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromate

| Lab#       | Sample ID   | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-------------|---------------|---------------|------------|
| 5040117-03 | <b>B-17</b> | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromate

| Lab#       | Sample ID   | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-------------|---------------|---------------|------------|
| 5040117-04 | <b>B-27</b> | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromate

| Lab#       | Sample ID    | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|--------------|---------------|---------------|------------|
| 5040117-05 | <b>MW-3d</b> | Bromate       | ND            | 0.005      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |



### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-01 | B-15      | Bromide       | 0.16          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-02 | B-16      | Bromide       | 0.084         | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-03 | B-17      | Bromide       | 0.16          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-04 | B-27      | Bromide       | 0.16          | 0.010      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |



### Bromide

| Lab#       | Sample ID | Compound Name | Result (mg/L) | RDL (mg/L) |
|------------|-----------|---------------|---------------|------------|
| 5040117-05 | MW-3d     | Bromide       | 0.27          | 0.025      |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/09/15  | QC Batch: | B014527 |
| Date Received: | 04/01/15 | Method:        | EPA 300.1 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5040117-01 | B-15      | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 04/01/15 | Method:        | EPA 218.6 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5040117-02 | B-16      | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 04/01/15 | Method:        | EPA 218.6 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-----------|----------------------------|---------------|------------|
| 5040117-03 | B-17      | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 04/01/15 | Method:        | EPA 218.6 |           |         |



### Hexavalent Chromium

| Lab#       | Sample ID   | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|-------------|----------------------------|---------------|------------|
| 5040117-04 | <b>B-27</b> | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 04/01/15 | Method:        | EPA 218.6 |           |         |

### Hexavalent Chromium

| Lab#       | Sample ID    | Compound Name              | Result (µg/L) | RDL (µg/L) |
|------------|--------------|----------------------------|---------------|------------|
| 5040117-05 | <b>MW-3d</b> | Hexavalent Chromium (Cr+6) | ND            | 1.0        |

|                |          |                |           |           |         |
|----------------|----------|----------------|-----------|-----------|---------|
| Date Sampled:  | 04/01/15 | Date Analyzed: | 04/08/15  | QC Batch: | B014512 |
| Date Received: | 04/01/15 | Method:        | EPA 218.6 |           |         |



## Quality Assurance Report

### TPH Gasoline

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B014498 - EPA 5030 GC**

**Blank (B014498-BLK1)**

Prepared & Analyzed: 04/06/15

|          |    |    |      |
|----------|----|----|------|
| Gasoline | ND | 50 | µg/L |
|----------|----|----|------|

**Matrix Spike (B014498-MS1)**

Source: 5033119-01

Prepared & Analyzed: 04/06/15

|              |      |      |      |      |    |     |        |
|--------------|------|------|------|------|----|-----|--------|
| Benzene      | 10.1 | 0.50 | µg/L | 10.0 | ND | 101 | 70-130 |
| Toluene      | 9.59 | 0.50 | µg/L | 10.0 | ND | 96  | 70-130 |
| Ethylbenzene | 9.44 | 0.50 | µg/L | 10.0 | ND | 94  | 70-130 |
| Xylenes      | 29.1 | 1.5  | µg/L | 30.0 | ND | 97  | 70-130 |

**Matrix Spike Dup (B014498-MSD1)**

Source: 5033119-01

Prepared & Analyzed: 04/06/15

|              |      |      |      |      |    |     |        |      |    |
|--------------|------|------|------|------|----|-----|--------|------|----|
| Benzene      | 10.1 | 0.50 | µg/L | 10.0 | ND | 101 | 70-130 | 0.09 | 20 |
| Toluene      | 9.46 | 0.50 | µg/L | 10.0 | ND | 95  | 70-130 | 1    | 20 |
| Ethylbenzene | 9.44 | 0.50 | µg/L | 10.0 | ND | 94  | 70-130 | 0.03 | 20 |
| Xylenes      | 29.0 | 1.5  | µg/L | 30.0 | ND | 97  | 70-130 | 0.09 | 20 |



## Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

### Batch B014474 - EPA 5030 GC/MS

#### Blank (B014474-BLK1)

Prepared & Analyzed: 03/26/15

|                                |    |     |      |  |  |  |  |  |  |
|--------------------------------|----|-----|------|--|--|--|--|--|--|
| Benzene                        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Toluene                        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Ethylbenzene                   | ND | 1.0 | µg/L |  |  |  |  |  |  |
| m,p-Xylene                     | ND | 1.0 | µg/L |  |  |  |  |  |  |
| o-Xylene                       | ND | 1.0 | µg/L |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)       | ND | 1.0 | µg/L |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)        | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Tertiary Butyl Alcohol (TBA)   | ND | 12  | µg/L |  |  |  |  |  |  |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Di-isopropyl Ether (DIPE)      | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Ethyl tert-Butyl Ether (ETBE)  | ND | 1.0 | µg/L |  |  |  |  |  |  |
| Tert-Amyl Methyl Ether (TAME)  | ND | 1.0 | µg/L |  |  |  |  |  |  |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 21.1 |  | µg/L | 20.0 |  | 105 | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 20.0 |  | µg/L | 20.0 |  | 100 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.5 |  | µg/L | 20.0 |  | 102 | 70-130 |  |  |

#### Matrix Spike (B014474-MS1)

Source: 5032601-02

Prepared & Analyzed: 03/26/15

|                              |      |     |      |      |    |     |        |  |  |
|------------------------------|------|-----|------|------|----|-----|--------|--|--|
| 1,1-Dichloroethene (1,1-DCE) | 26.9 | 1.0 | µg/L | 25.0 | ND | 108 | 70-130 |  |  |
| Benzene                      | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 |  |  |
| Trichloroethene (TCE)        | 26.5 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 |  |  |
| Toluene                      | 29.6 | 1.0 | µg/L | 25.0 | ND | 118 | 70-130 |  |  |
| Chlorobenzene                | 24.7 | 1.0 | µg/L | 25.0 | ND | 99  | 70-130 |  |  |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 19.4 |  | µg/L | 20.0 |  | 97  | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 21.9 |  | µg/L | 20.0 |  | 109 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.3 |  | µg/L | 20.0 |  | 102 | 70-130 |  |  |

#### Matrix Spike Dup (B014474-MSD1)

Source: 5032601-02

Prepared & Analyzed: 03/26/15

|                              |      |     |      |      |    |     |        |      |    |
|------------------------------|------|-----|------|------|----|-----|--------|------|----|
| 1,1-Dichloroethene (1,1-DCE) | 27.0 | 1.0 | µg/L | 25.0 | ND | 108 | 70-130 | 0.3  | 20 |
| Benzene                      | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 | 0.04 | 20 |
| Trichloroethene (TCE)        | 26.6 | 1.0 | µg/L | 25.0 | ND | 106 | 70-130 | 0.2  | 20 |
| Toluene                      | 29.2 | 1.0 | µg/L | 25.0 | ND | 117 | 70-130 | 1    | 20 |
| Chlorobenzene                | 24.6 | 1.0 | µg/L | 25.0 | ND | 98  | 70-130 | 0.5  | 20 |

|  |      |  |      |      |  |     |        |  |  |
|--|------|--|------|------|--|-----|--------|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | 19.2 |  | µg/L | 20.0 |  | 96  | 70-130 |  |  |
| <i>Surrogate: Toluene-d8</i>           | 21.6 |  | µg/L | 20.0 |  | 108 | 70-130 |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.0 |  | µg/L | 20.0 |  | 100 | 70-130 |  |  |



## Metals

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level                | Source<br>Result | %REC<br>%REC                  | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|-------|-------------------------------|------------------|-------------------------------|----------------|-----|--------------|-------|
| <b>Batch B014493 - EPA 3010A</b>  |        |                    |       |                               |                  |                               |                |     |              |       |
| <b>Blank (B014493-BLK1)</b>       |        |                    |       | Prepared & Analyzed: 04/02/15 |                  |                               |                |     |              |       |
| Chromium (Cr)                     | ND     | 0.010              | mg/L  |                               |                  |                               |                |     |              |       |
| Molybdenum (Mo)                   | ND     | 0.020              | mg/L  |                               |                  |                               |                |     |              |       |
| Vanadium (V)                      | ND     | 0.050              | mg/L  |                               |                  |                               |                |     |              |       |
| <b>Matrix Spike (B014493-MS1)</b> |        |                    |       | Source: 5040117-01            |                  | Prepared & Analyzed: 04/02/15 |                |     |              |       |
| Chromium (Cr)                     | 0.509  | 0.010              | mg/L  | 0.500                         | 0.005            | 101                           | 70-130         |     |              |       |
| Molybdenum (Mo)                   | 0.527  | 0.020              | mg/L  | 0.500                         | ND               | 105                           | 70-130         |     |              |       |
| Vanadium (V)                      | 0.563  | 0.050              | mg/L  | 0.500                         | ND               | 113                           | 70-130         |     |              |       |
| <b>Matrix Spike (B014493-MS2)</b> |        |                    |       | Source: 5040117-02            |                  | Prepared & Analyzed: 04/02/15 |                |     |              |       |
| Chromium (Cr)                     | 0.504  | 0.010              | mg/L  | 0.500                         | 0.004            | 100                           | 70-130         |     |              |       |
| Molybdenum (Mo)                   | 0.519  | 0.020              | mg/L  | 0.500                         | ND               | 104                           | 70-130         |     |              |       |
| Vanadium (V)                      | 0.561  | 0.050              | mg/L  | 0.500                         | ND               | 112                           | 70-130         |     |              |       |





### Dissolved Oxygen

| Analyte   | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B014487 - NO PREP</b>                        |        |                 |       |             |               |      |             |     |           |       |
| <b>Duplicate (B014487-DUP1)</b>                       |        |                 |       |             |               |      |             |     |           |       |
| Source: 5033119-01      Prepared & Analyzed: 04/01/15 |        |                 |       |             |               |      |             |     |           |       |
| Dissolved Oxygen                                      | 3.50   | 0.20            | mg/L  |             | 3.51          |      |             | 0.3 | 15        |       |



### Oxygen Reduction Potential (ORP)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B014487 - NO PREP**

| <b>Duplicate (B014487-DUP1)</b>     | <b>Source: 5033119-01</b> |      |    | <b>Prepared &amp; Analyzed: 04/01/15</b> |     |  |  |     |    |  |
|-------------------------------------|---------------------------|------|----|--|-----|--|--|-----|----|--|
| Oxidation Reduction Potential (ORP) | 350                       | 0.50 | mV |  | 352 |  |  | 0.6 | 15 |  |



### Bromate

| Analyte                           | Result | Reporting Limit    | Units | Spike Level                           | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|--------------------|-------|---------------------------------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B014527 - NO PREP</b>    |        |                    |       |                                       |               |      |             |     |           |       |
| <b>Blank (B014527-BLK1)</b>       |        |                    |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromate                           | ND     | 0.002              | mg/L  |                                       |               |      |             |     |           |       |
| <b>LCS (B014527-BS1)</b>          |        |                    |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromate                           | 0.020  | 0.002              | mg/L  | 0.0200                                |               | 102  | 85-115      |     |           |       |
| <b>Matrix Spike (B014527-MS1)</b> |        | Source: 5040710-01 |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromate                           | 0.036  | 0.005              | mg/L  | 0.0400                                | ND            | 90   | 75-125      |     |           |       |
| <b>Matrix Spike (B014527-MS2)</b> |        | Source: 5040117-05 |       | Prepared: 04/09/15 Analyzed: 04/10/15 |               |      |             |     |           |       |
| Bromate                           | 0.089  | 0.012              | mg/L  | 0.100                                 | ND            | 89   | 75-125      |     |           |       |



## Bromide

| Analyte                           | Result | Reporting Limit    | Units | Spike Level                           | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|--------------------|-------|---------------------------------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B014527 - NO PREP</b>    |        |                    |       |                                       |               |      |             |     |           |       |
| <b>Blank (B014527-BLK1)</b>       |        |                    |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromide                           | ND     | 0.005              | mg/L  |                                       |               |      |             |     |           |       |
| <b>LCS (B014527-BS1)</b>          |        |                    |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromide                           | 0.051  | 0.005              | mg/L  | 0.0500                                |               | 101  | 85-115      |     |           |       |
| <b>Matrix Spike (B014527-MS1)</b> |        | Source: 5040710-01 |       | Prepared & Analyzed: 04/09/15         |               |      |             |     |           |       |
| Bromide                           | 0.160  | 0.010              | mg/L  | 0.100                                 | 0.056         | 104  | 75-125      |     |           |       |
| <b>Matrix Spike (B014527-MS2)</b> |        | Source: 5040117-05 |       | Prepared: 04/09/15 Analyzed: 04/10/15 |               |      |             |     |           |       |
| Bromide                           | 0.538  | 0.025              | mg/L  | 0.250                                 | 0.270         | 107  | 75-125      |     |           |       |



## Hexavalent Chromium

| Analyte                                | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result              | %REC<br>%REC | %REC<br>Limits                | RPD | RPD<br>Limit | Notes |
|--|--------|--------------------|-------|----------------|-------------------------------|--------------|-------------------------------|-----|--------------|-------|
| <b>Batch B014512 - NO PREP</b>         |        |                    |       |                |                               |              |                               |     |              |       |
| <b>Blank (B014512-BLK1)</b>            |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Prepared & Analyzed: 04/08/15 |              |                               |     |              |       |
| Hexavalent Chromium (Cr+6)             | ND     | 1.0                | µg/L  |                |                               |              |                               |     |              |       |
| <b>LCS (B014512-BS1)</b>               |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Prepared & Analyzed: 04/08/15 |              |                               |     |              |       |
| Hexavalent Chromium (Cr+6)             | 9.93   | 1.0                | µg/L  | 10.0           |                               | 99           | 90-110                        |     |              |       |
| <b>Matrix Spike (B014512-MS1)</b>      |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Source: 5033006-02            |              | Prepared & Analyzed: 04/08/15 |     |              |       |
| Hexavalent Chromium (Cr+6)             | 10.3   | 1.0                | µg/L  | 10.0           | ND                            | 103          | 85-115                        |     |              |       |
| <b>Matrix Spike Dup (B014512-MSD1)</b> |        |                    |       |                |                               |              |                               |     |              |       |
|  |        |                    |       |                | Source: 5033006-02            |              | Prepared & Analyzed: 04/08/15 |     |              |       |
| Hexavalent Chromium (Cr+6)             | 10.2   | 1.0                | µg/L  | 10.0           | ND                            | 102          | 85-115                        | 1   | 20           |       |



## Notes and Definitions

---

(2) The following additional compounds were detected: 1,1-Dichloroethene (2.6 ug/L), cis-1,2-Dichloroethene (3.7 ug/L), Trichloroethene (6.7 ug/L).

RDL Reporting Detection Limit

ND Analyte NOT DETECTED at or above the reporting detection limit (RDL)

RPD Relative Percent Difference

NR Not Reported



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

# CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5040117

CLIENT'S PROJECT NAME: 325 Yolanda Ave

CLIENT'S PROJECT NUMBER: \_\_\_\_\_

## CLIENT INFORMATION

COMPANY NAME: ENVIRONMENTAL GEOLOGY SERVICES

ADDRESS: 1695 WILLOWSIDE ROAD

SANTA ROSA, CA 95401

CONTACT: MARC W. SEELEY

PHONE#: 707-528-0810

FAX #: 707-528-1956

## TURNAROUND TIME (check one)

MOBILE LAB \_\_\_\_\_

SAME DAY \_\_\_\_\_

48 HOURS \_\_\_\_\_

5 DAYS \_\_\_\_\_

72 HOURS \_\_\_\_\_

24 HOURS \_\_\_\_\_

NORMAL

GEOTRACKER EDF:  Y  N

GLOBAL ID: \_\_\_\_\_

COOLER TEMPERATURE

100 °C

COC

PAGE 1 OF 1

## ANALYSIS

| ITEM | CLIENT SAMPLE I.D. | DATE SAMPLED | TIME | MATRIX           | # CONT. | PRESV. YES/NO | TPH-G | 8260 BTEX, Oxy & Pb Scavengers | Cr, Mo, Se & V | Hex-Chrome | Bromate Bromide | Diss. Oxygen | ORP | COMMENTS | LAB SAMPLE # |
|------|--------------------|--------------|------|------------------|---------|---------------|-------|--------------------------------|----------------|------------|-----------------|--------------|-----|----------|--------------|
| 1    | B-15               | 4/1/15       | 1124 | H <sub>2</sub> O | 8       | Y/N           | X     | X                              | X              | X          | X               | X            | X   | 5040117  | -01          |
| 2    | B-16               | ↓            | 1237 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   | ↓        | -02          |
| 3    | B-17               | ↓            | 1357 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   | ↓        | -03          |
| 4    | B-27               | ↓            | 1458 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   | ↓        | -04          |
| 5    | MW-3d              | ↓            | 1051 | ↓                | ↓       | ↓             | ↓     | ↓                              | ↓              | ↓          | ↓               | ↓            | ↓   | ↓        | -05          |
| 6    |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 7    |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 8    |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 9    |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 10   |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |
| 11   |                    |              |      |                  |         |               |       |                                |                |            |                 |              |     |          |              |

## SIGNATURES

RELINQUISHED BY: \_\_\_\_\_

SIGNATURE

SAMPLED BY: DAVID BISH

DATE

4/1/15

TIME

1540

RECEIVED BY LABORATORY: \_\_\_\_\_

SIGNATURE

[Signature]

DATE

4/2/15 1540

TIME



# Analytical Report

**Client:** Analytical Sciences  
**Project:** #5040117; 325 Yolanda Ave  
**Date Received:** 4/2/15 21:14  
**Date Prepared:** 4/3/15

**WorkOrder:** 1504114  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

## Metals

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| B-15      | 1504114-001A | Water          | 04/01/2015 11:24 | ICP-MS1    | 103147   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/03/2015 12:22 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| B-16      | 1504114-002A | Water          | 04/01/2015 12:37 | ICP-MS1    | 103147   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/03/2015 12:27 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| B-17      | 1504114-003A | Water          | 04/01/2015 13:57 | ICP-MS1    | 103147   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/03/2015 12:32 |

Analyst(s): DVH

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| B-27      | 1504114-004A | Water          | 04/01/2015 14:58 | ICP-MS1    | 103147   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/03/2015 12:37 |

Analyst(s): DVH

(Cont.)





McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mccampbell.com / E-mail: main@mccampbell.com

## Analytical Report

**Client:** Analytical Sciences  
**Project:** #5040117; 325 Yolanda Ave  
**Date Received:** 4/2/15 21:14  
**Date Prepared:** 4/3/15

**WorkOrder:** 1504114  
**Extraction Method:** E200.8  
**Analytical Method:** E200.8  
**Unit:** µg/L

### Metals

| Client ID | Lab ID       | Matrix/ExtType | Date Collected   | Instrument | Batch ID |
|-----------|--------------|----------------|------------------|------------|----------|
| MW-3D     | 1504114-005A | Water          | 04/01/2015 10:51 | ICP-MS1    | 103147   |

| Analytes | Result | RL  | DF | Date Analyzed    |
|----------|--------|-----|----|------------------|
| Selenium | ND     | 5.0 | 1  | 04/03/2015 12:42 |

Analyst(s): DVH



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

1504114

# CHAIN OF CUSTODY

SUBCONTRACT LAB: McC Campbell Analytical

AS Project Name: 325 Yolanda Ave

AS Project Number: 5040117

| CLIENT INFORMATION |  |
|--------------------|--|
| Company Name:      | <b>ANALYTICAL SCIENCES</b>                 |
| Address:           | P.O. BOX 750336<br>PETALUMA, CA 94975-0336 |
| Contact:           | MARK VALENTINI                             |
| Phone #:           | 707-769-3128                               |
| Fax #:             | 707-769-8093                               |

email: analytical110@aol.com

|               |     |                                     |
|---------------|-----|-------------------------------------|
| EDT Required: | Yes | <input checked="" type="radio"/> No |
| System ID:    |     |                                     |

| TURNAROUND TIME (check one)                |                                   |
|--|-----------------------------------|
| Same Day                                   | 72 Hours <input type="checkbox"/> |
| 48 Hours <input type="checkbox"/>          | 24 Hours <input type="checkbox"/> |
| 5 Days <input checked="" type="checkbox"/> | Normal <input type="checkbox"/>   |

Page 1 of 1

## ANALYSIS

| Item | Client Sample ID | Date Sampled | Time | Matrix | # Cont. | Presv. Y/N | Arsenic by 200.8 | Lead by 200.8 | Selenium by 200.8 | Antimony by 200.8 | Thallium by 200.8 |  |  |  |  |  |  | Comments | Lab Sample # |     |
|------|------------------|--------------|------|--------|---------|------------|------------------|---------------|-------------------|-------------------|-------------------|--|--|--|--|--|--|----------|--------------|-----|
| ✓ 1  | B-15             | 4/1/15       | 1124 | W      | 1       | Y          |                  |               | X                 |                   |                   |  |  |  |  |  |  |          | 5040117      | -01 |
| ✓ 2  | B-16             | ↓            | 1237 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |          | ↓            | -02 |
| ✓ 3  | B-17             | ↓            | 1357 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |          | ↓            | -03 |
| ✓ 4  | B-27             | ↓            | 1458 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |          | ↓            | -04 |
| ✓ 5  | MW-3d            | ↓            | 1051 | ↓      | ↓       | ↓          |                  |               | X                 |                   |                   |  |  |  |  |  |  |          | ↓            | -05 |
| 6    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |          |              |     |
| 7    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |          |              |     |
| 8    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |          |              |     |
| 9    |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |          |              |     |
| 10   |                  |              |      |        |         |            |                  |               |                   |                   |                   |  |  |  |  |  |  |          |              |     |

ICE It. 3  
 GOOD CONDITION  APPROPRIATE  
 HEAD SPACE/ABSENT  CONTAINERS  
 DECHLORINATED IN LAB  PRESERVED IN LAB  
 VOAS O&G METALS OTHER  
 PRESERVATION

## SIGNATURES

|                  |                    |               |             |              |                    |               |             |
|------------------|--------------------|---------------|-------------|--------------|--------------------|---------------|-------------|
| Relinquished By: | <u>[Signature]</u> | <u>4/2/15</u> | <u>0900</u> | Received By: | <u>[Signature]</u> | <u>4-2-15</u> | <u>0900</u> |
| Signature        |                    | Date          | Time        | Signature    |                    | Date          | Time        |

[Signature] 4-2-15 1605 agustina v.

STATE WATER RESOURCES CONTROL BOARD  
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SONOMA COUNTY

CONTAINER TYPES: 1, 2, 3, 4, 5  
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER  
HULSMAN LEASING CO.  
325 YOLANDA AVE

SANTA ROSA

CA 95402

II FACILITY

HULSMAN TRANS  
325 YOLANDA AVE  
SANTA ROSA

CA 95402

MAILING ADDRESS  
TOWNSHIP/RANGE/SECTION  
PO BOX 423  
SANTA ROSA

CA 95402

DEALER/FOREMAN/SUPERVISOR  
TELEPHONE

LARRY HULSMAN

(707) 546-1086

TYPE OF BUSINESS  
NO. OF CONTAINERS

TRUCKING CO.

3

CROSS STREET :  
SANTA ROSA AV.

III 24-HR. CONTACT PERSON / TELEPHONE  
DAY: HULSMAN, LARRY

(707) 546-1086

NIGHT:

(707) 525-0286

\*\*\*\*\* OWNER ASSIGNED CONTAINER NUMBER: 1

\*\*\*\*\* STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00600012134001 \*\*\*\*\*

IV DESCRIPTION

A. CONTAINER TYPE : TANK  
B. MANUFACTURER/YR OF MFG: UNK  
C. YEAR INSTALLED : UNK  
D. CAPACITY (GALLONS) : 8,000

E. REPAIRS : NONE IF YES WHEN :  
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:  
G. STORES : PRODUCT  
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION

A. THICKNESS:  
D. MATERIAL : UNKNOWN  
E. LINING : UNKNOWN  
F. WRAPPING : UNKNOWN  
B. VAULTING; NON-VAULTED C. WALLING: UNKNOWN

VI PIPING

A. ABOVEGROUND PIPING :  
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:  
B. UNDERGROUND PIPING : SUCTION

VII LEAK DETECTION

VISUAL STOCK INVENTORY

URE TEST COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER  
12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD  
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SONOMA COUNTY

CONTAINER TYPES: 1, 2, 3, 4, 5  
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

\*\*\*\*\* OWNER ASSIGNED CONTAINER NUMBER: 2

\*\*\*\*\* STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012134002 \*\*\*\*\*

IV DESCRIPTION

A. CONTAINER TYPE : TANK  
B. MANUFACTURER/YR OF MFG: UNK  
C. YEAR INSTALLED : UNK  
D. CAPACITY (GALLONS) : 4,000

E. REPAIRS : NONE IF YES WHEN :  
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:  
G. STORES : PRODUCT  
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION

A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: UNKNOWN  
D. MATERIAL : UNKNOWN  
E. LINING : UNKNOWN  
F. WRAPPING : UNKNOWN

VI PIPING

A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : SUCTION  
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

VISUAL STOCK INVENTORY

P

URE TEST COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER  
12034 DIESEL MOTOR VEHICLE FUEL

\*\*\*\*\* OWNER ASSIGNED CONTAINER NUMBER: 3

\*\*\*\*\* STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012134003 \*\*\*\*\*

IV DESCRIPTION

A. CONTAINER TYPE : TANK  
B. MANUFACTURER/YR OF MFG: UNK  
C. YEAR INSTALLED : UNK  
D. CAPACITY (GALLONS) : 500

E. REPAIRS : UNKN IF YES WHEN :  
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:  
G. STORES : WASTE  
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: WASTE OIL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION

A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: UNKNOWN  
D. MATERIAL : UNKNOWN  
E. LINING : UNKNOWN  
F. WRAPPING : UNKNOWN

VI PIPING

A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :  
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION

VISUAL STOCK INVENTORY

P

URE TEST COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER  
12035 WASTE OIL

# City of Santa Rosa Parcel Report

044-041-010

4/26/2018 7:06:43 PM

## County Assessor Information

---

**Address:** 2532 SANTA ROSA AVE  
SANTA ROSA, CA 95407

**Land Use:** USED CAR LOT

**Tax Area:** 004137

**Jurisdiction:** SANTA ROSA

**Recording#:** 1975R2021418

**Rec Date:** 01/01/1975

**Lot Acres:** 5.00

**Land Value:** \$202,780

**Bldg Value:** \$0

**Bldg Sqft:** 0

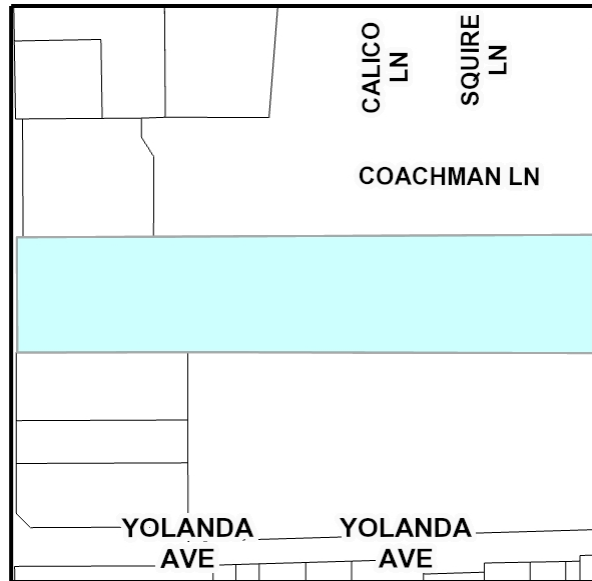
**Built:**

**Res Units:**

**Bedrooms:** 0

**Bathrooms:** 0

**Com Units:**



## Santa Rosa Only Information

---

**General Plan:** Multiple - Please See General Plan Layer

**Area Plan:**

**Zoning Code:** CG

**Identifier:**

**Planned Dev:**

**Historic Dist:**

**Fault km:** 5

**Wind Zone:** Exposure C

**Fire Zone:**

**Park Fee:** Service Area No. 4 - Southeast

**Fire District:** 1

## GIS Calculated Information

---

**Lot Acres:** 4.68

**Latitude:** 38.414424

**Longitude:** -122.711586

**Census Tract:** 151402

**Census Block:** 5000

**Street Sweep:** 3rd Monday

**Elem School:** MEADOWVIEW, KAWANA,  
TAYLOR MOUNTAIN &  
BELLEVUE

RELEAS

4/26/2018 7:05:58 PM

## County Assessor Information

---

**Address:** 325 YOLANDA AVE  
SANTA ROSA, CA 95404

**Land Use:** TRUCK TERMINAL

**Tax Area:** 004137

**Jurisdiction:** SANTA ROSA

**Recording#:** 2014R055194

**Rec Date:** 08/08/2014

**Lot Acres:** 5.46

**Land Value:** \$212,477

**Bldg Value:** \$149,040

**Bldg Sqft:** 17,360

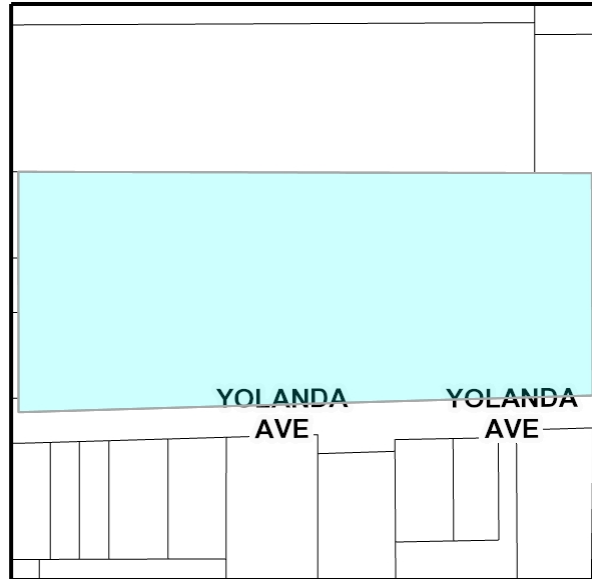
**Built:** 1947

**Res Units:**

**Bedrooms:**

**Bathrooms:**

**Com Units:**



## Santa Rosa Only Information

---

**General Plan:** Retail and Business Service

**Area Plan:**

**Zoning Code:** CG

**Identifier:**

**Planned Dev:**

**Historic Dist:**

**Fault km:** 5

**Wind Zone:** Exposure C

**Fire Zone:**

**Park Fee:** Service Area No. 4 - Southeast

**Fire District:** 1

## GIS Calculated Information

---

**Lot Acres:** 5.72

**Latitude:** 38.413712

**Longitude:** -122.710949

**Census Tract:** 151402

**Census Block:** 5000

**Street Sweep:** 3rd Monday

**Elem School:** MEADOWVIEW, KAWANA,  
TAYLOR MOUNTAIN &  
BELLEVUE

## Division of Oil, Gas & Geothermal Resources - Well Finder

### Find By Location

Find My Current Location

or

Street:

City:

Zip:

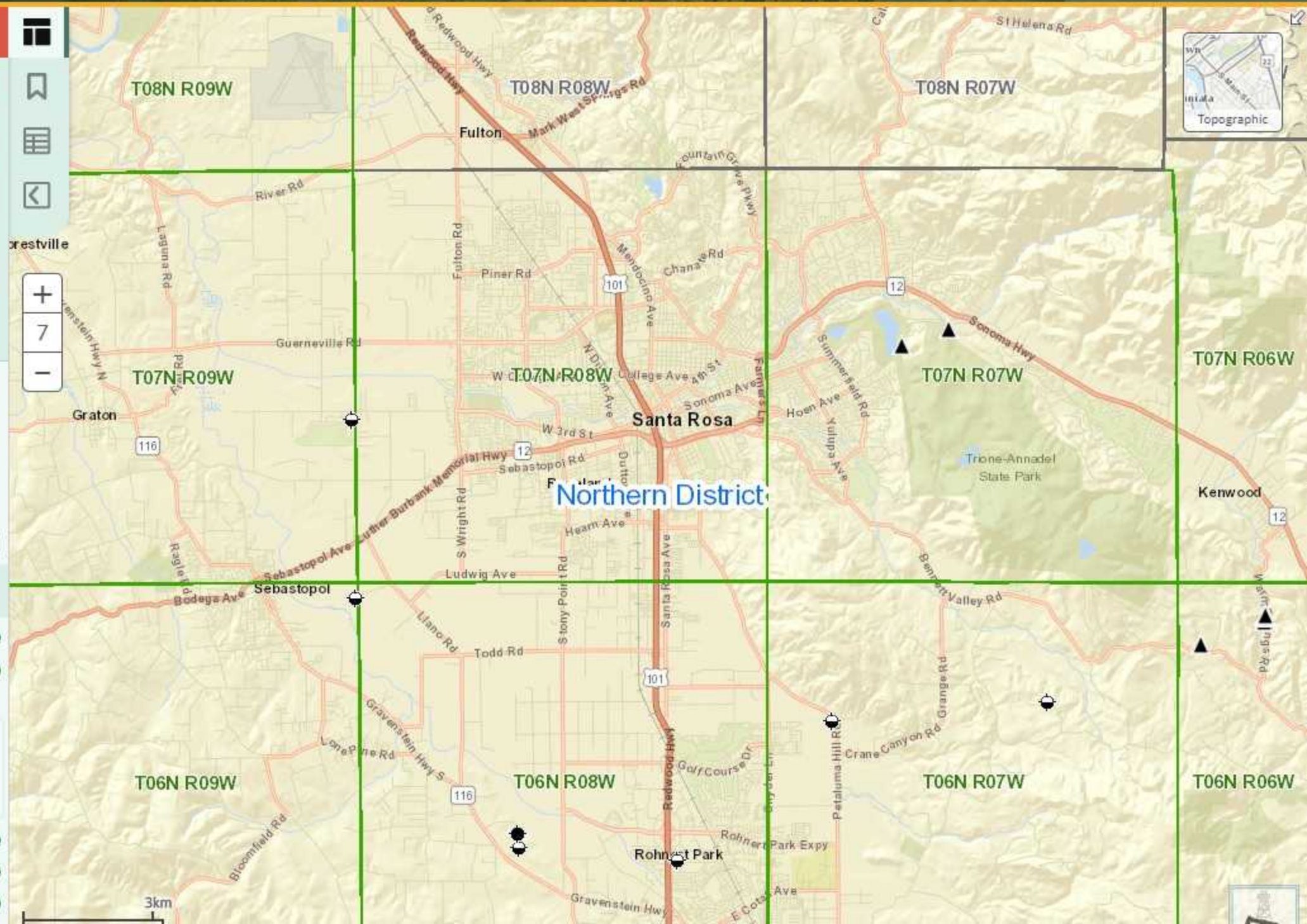
Display a  foot  buffer

Buffer radius is limited to 10 mi (52800ft).

- Find By API
- Find By Lat, Long
- Find By PLSS
- Find By Oil/Gas Field

### Data (Layers):

- Notices & Permits
- DOGGR Wells
- Label:  API#  Well#  Detailed
- EPA Wells for Aquifer Exemption Review
  - Enhanced Oil Recovery Wells
  - Disposal Wells
- TR26 Onshore Seeps
- Oil/Gas Fields
- California Geologic Map



3km





**Search**

Select Search Type  
EHS\_LOP PUBLIC

Use the fields below the drop-down to narrow the search. A field left blank will not be included in the search criteria. Use an asterisk(\*) at the beginning or end of a search term if you want to search using only a part of a word or phrase.

Site Address  
325 yolanda

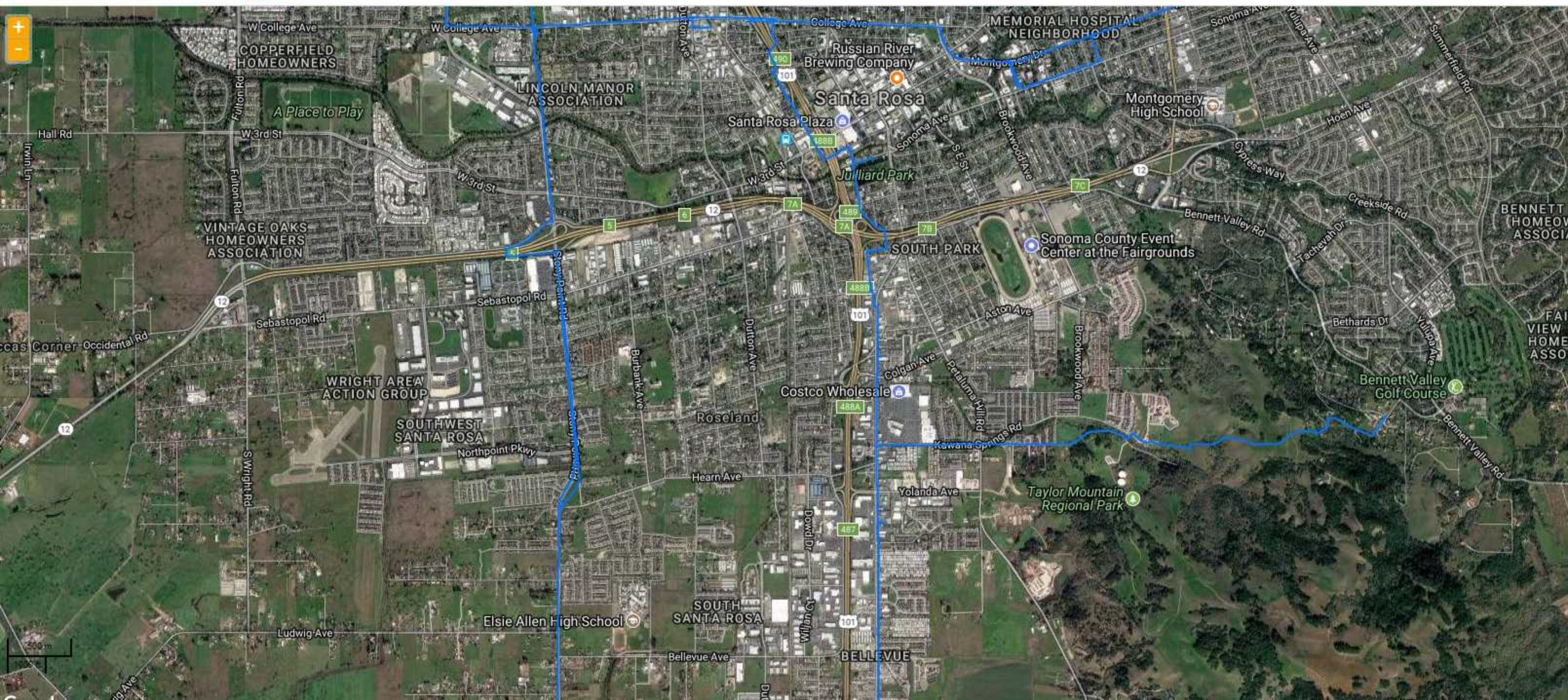
Site Name  
[Empty field]

LOP #  
[Empty field]

Search Clear

**Results**

No documents found

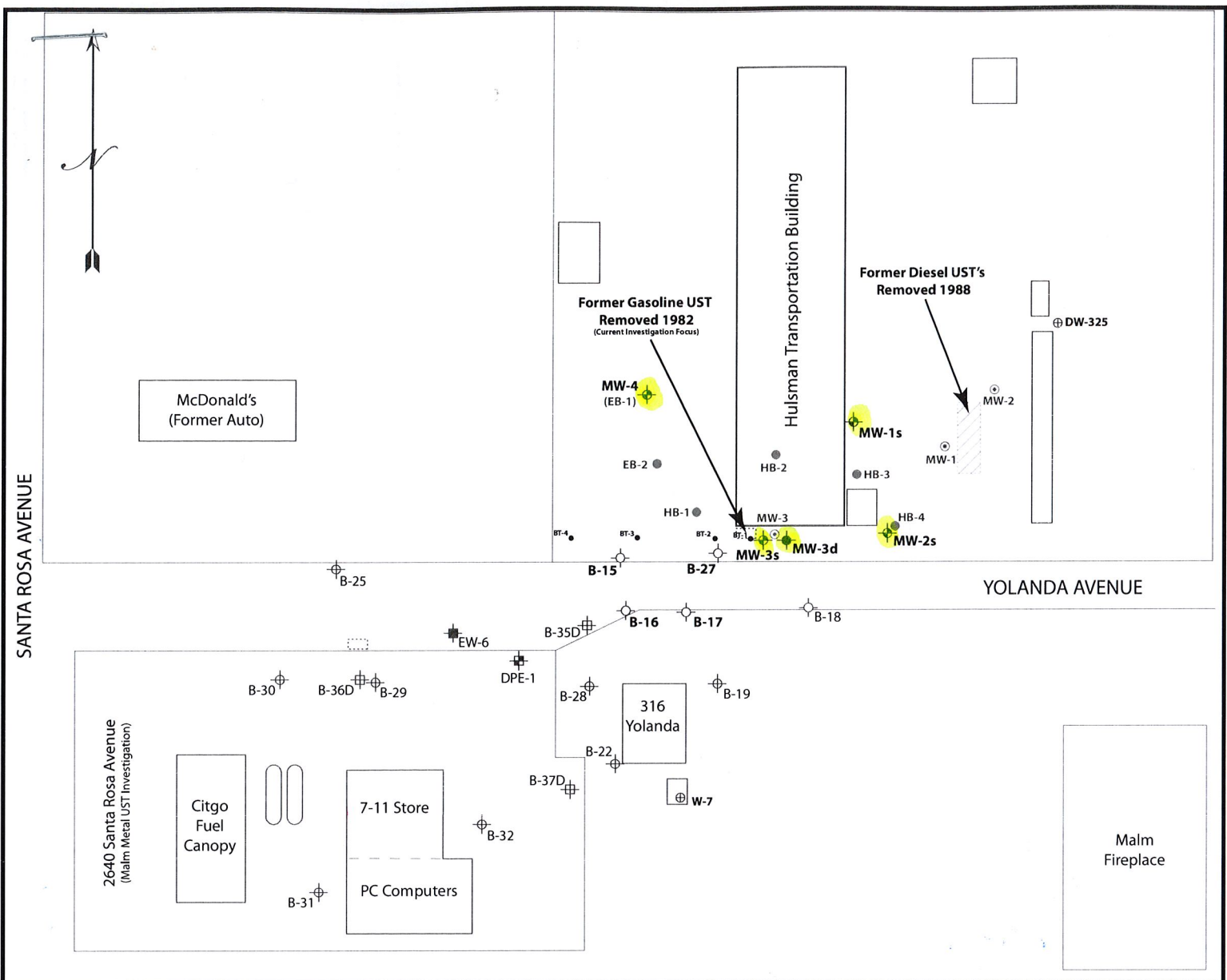


**Map Layers**

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Plants
- Breakout Tanks
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- State Boundaries
- abc Show Labels
- County Boundaries
- abc Show Labels
- Map
- Satellite

# **APPENDIX F**

## **PREVIOUS REPORTS**



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- Bench Test Boring, completed by EGS  
(Note: BT-1 was completed using a hand auger to 5-feet bgs)
- ⊕ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ DW-325 On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB2016)
- ⊕ W-7 Abandoned Domestic Water Supply Well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER GASOLINE UST Locations
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
MAR 2016

**EXPLORATORY LOCATIONS MAP**  
**SITE EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE

4



March 23, 2018  
Project No.: 100988001

Mr. Brett Hardison  
Wolff Enterprises II, LLC  
6710 East Camelback Road, Suite 100  
Scottsdale, Arizona 85251

Subject: Environmental Review  
Former Hulsman Transportation Property  
325 Yolanda Avenue  
Santa Rosa, California

Dear Mr. Hardison:

Ardent Environmental Group, Inc. (Ardent) has performed a preliminary review of environmental conditions at the Former Hulsman Transportation property located at 325 Yolanda Avenue in the City of Santa Rosa, California (site). We understand that Wolff Enterprises II, LLC (client) is considering acquisition of the site. This letter presents a summary of the current environmental condition of the site and surrounding properties, potential environmental concerns at the site, and our interpretation of the potential risks and liabilities associated with acquisition and ownership of the site.

## **BACKGROUND**

The site consists of a single parcel, totaling approximately 5.82 acres, located north of Yolanda Avenue within a mixed industrial, commercial, and residential area of Santa Rosa, California. The site has historically been utilized for truck storage, maintenance and repair purposes since the 1940's, and was most recently occupied by Hulsman Transportation for use as a trucking terminal.

Three underground storage tanks (USTs) were formerly located on the site, including two diesel USTs in the south-east portion of the site and one gasoline UST in the south-central portion of the site, adjacent to Yolanda Avenue. The two diesel USTs were removed in 1988 and no evidence of a release of fuel from the diesel USTs was found. The gasoline UST was removed in 1982. During removal of the gasoline UST, it was discovered that a release of gasoline had occurred that impacted soil and groundwater. Following discovery of the release a leaking UST

(LUST) case was opened with the North Coast Regional Water Quality Control Board (NCRWQCB).

Two shallow groundwater zones have been identified at the site; one seasonal shallow aquifer located at approximately 20 to 25 feet below ground surface (bgs), and a deeper productive water bearing aquifer at approximately 30 to 50 feet bgs. Only the shallow seasonal aquifer was affected by the LUST at the site.

### **CURRENT ENVIRONMENTAL CONITIONS**

To assess the current environmental conditions at the site and surrounding properties of concern, Ardent reviewed select reports provided by the client and reports available on the State Water Resources Control Board GeoTracker website. Reports reviewed by Ardent are listed in the Reference Section below. The following presents a summary of the current environmental conditions at the site and surrounding properties of concern.

#### **Site – Former Hulsman Transportation**

Following the discovery of the release from the gasoline UST, beginning in approximately 1988 and continuing through 2016, numerous site characterizations, groundwater monitoring events, soil vapor investigations, and remedial actions have taken place at the site under the regulatory oversight of the NCRWCB. Based on the results of these investigations it was found that gasoline and fuel components including benzene, toluene, ethylbenzene, and xylenes (BTEX) had impacted soil immediately below the former UST and shallow groundwater. An initial remedial action included excavation of approximately 175 cubic yards of impacted soil from beneath the gasoline UST in 1991. Based on sampling results at the time of the excavation, the lateral extent of soil contamination had been removed. However, residual soil contamination with gasoline and BTEX was present at a depth of approximately 23 feet, which was generally at the depth of the shallow groundwater aquifer. Since that time, the depth to shallow groundwater has varied significantly and has recently been measured much shallow, at approximately 6 to 10 feet bgs.

Following the excavation of impacted soil, groundwater monitoring wells were installed to assess and monitor the presence of gasoline and BTEX in the shallow groundwater aquifer. In general, shallow groundwater beneath the site flows in the west-southwest direction and gasoline contamination was found in the shallow groundwater west and southwest of the former

gasoline UST location, along the south edge of the property between the current building and the west property boundary and beneath Yolanda Avenue. The west-southwestern extent of the groundwater plume may be comingling with an off-site plume of gasoline and BTEX from a former off-site UST located west-southwest of the site.

To address the presence of gasoline and BTEX contamination in shallow groundwater beneath the southwest portion of the site and off-site under Yolanda Avenue, consultants for Hulsman Transportation submitted a Corrective Action Plan (CAP) to the NCRWQCB on June 26, 2012. The CAP proposed air or ozone sparging (injection of air or ozone microbubbles below the groundwater table to strip the groundwater of contaminants and promote natural biodegradation of the contaminants). The CAP was approved by the NCRWQCB and an air sparging system consisting of ten air sparging wells was installed in late 2013 and early 2014 and the system began operation on May 1, 2014. Groundwater monitoring was performed at the site in June 2014, September 2014, and March/April 2015. Based on the results of the September 2014 groundwater monitoring event, the air sparging system was effective and that concentrations of gasoline and BTEX in groundwater had been significantly reduced. Based on the results, the air sparging system was shut off in November 2014. Following the March/April 2015 monitoring event, the consultant for Hulsman Transportation prepared and submitted a Site Evaluation for Case Closure Report (Closure Report) dated March 3, 2016. The Closure Report presented a case for closure under the Low Threat Closure Policy (LTCP).

To qualify for closure under the LTCP, the site had to meet the following criteria: the plume of impacted materials at the site had to be adequately defined and be stable or decreasing in size; could not pose a threat to existing domestic water wells in the site vicinity; was not a significant human health risk to site occupants due to vapor intrusion; and that there was a low likelihood of occupants or workers coming into direct contact with impacted soil or groundwater at the site.

The NCRWQCB reviewed the Closure Report and in a letter dated May 13, 2016. Based on its review, the NCRWQCB did not recommend closure of the case for the following reasons:

1. Needed to provide additional data regarding the former diesel USTs;
2. Boring logs and well construction details for all wells at the site needed to be submitted;
3. A more detailed description of the air sparging system and wells was needed;

4. The potential for vapor intrusion of contaminants of concern into current and future site buildings needed to be evaluated;
5. A Sensitive Receptor Survey, including identifying and locating all domestic water supply wells in the vicinity of the site was needed; and
6. Preparation of Soil and Groundwater Management Plan (SGMP) to be implemented during any future redevelopment of the site due to the large area of the site that had not been investigated and the long history of truck maintenance and service on the site.

In response to the denial of closure, consultants for Hulsman Transportation completed a Soil Vapor Investigation and Sensitive Receptor Survey (SRS) for the site. The report, dated November 25, 2016 was submitted to the NCRWQCB. The soil vapor investigation was performed in the southwest portion of the site, in the general area of the gasoline release and groundwater plume. The results of the soil vapor investigation only found low concentrations of benzene present in soil vapor beneath the southwestern portion of the site. Gasoline, diesel, toluene, ethylbenzene, xylenes, and naphthalene were not detected in soil vapor. Benzene was detected in four of the eight soil vapor samples at concentrations of between 36 and 57 micrograms per cubic meter ( $\text{ug}/\text{m}^3$ ). The detected concentrations of benzene were below the LTCP closure criteria of  $280 \text{ ug}/\text{m}^3$  and were below the more conservative California Department of Toxic Substances Control (DTSC) Human and Risk Office Note 3, ambient air screening levels ranging from 97 to  $850 \text{ ug}/\text{m}^3$  for future commercial or residential land use. Therefore, there does not appear to be a vapor intrusion concern for current or future buildings at the site in the southwest area of the site. The results of the SRS found that three existing domestic supply groundwater wells were located within 500 feet of the residual groundwater contamination plume. One of the wells was located on-site, about 250 feet northeast (upgradient) of the groundwater plume. The other two wells were located off-site to the northwest of the site, in a direction that is not threatened by the residual groundwater plume.

Consultants for Hulsman Transportation submitted a Low-Threat Closure Site Evaluation and Request for Case Closure Report (revised Case Closure Report) to the NCRWQCB on December 27, 2016. The revised Case Closure Report included the results of the soil vapor investigation, the SRS, and the additional data and information requested by the NCRWQCB in its letter dated May 13, 2016.

As part of the requirements of case closure, a Soil and Groundwater Management Plan and Health and Safety Plan (SGMP) was prepared as for the site, SGMP dated May 12, 2017. The



SGMP required an environmental professional to observe and test suspect hazardous materials encountered during development and designates how grading and redevelopment activities at the site will handle previously undiscovered potentially hazardous soil and groundwater. The SGMP also dictates that the NCRWQCB and local fire department be notified prior to redevelopment activities taking place. Additionally, the NCRWQCB required that all groundwater monitoring wells and former air sparging wells at the site be properly abandoned. A Monitoring and Remediation Well Abandonment Report (Well Abandonment Report), dated June 16, 2017 was submitted to the NCRWQCB.

Based on a review of the revised Case Closure Report, the SGMP, and the Well Abandonment Report, the NCRWQCB concurred that the site met the LTCP criteria and other case closure requirements and granted case closure to the LUST case and issued a No Further Action (NFA) letter on June 26, 2017.

#### **455 Yolanda Avenue – Redwood Oil**

The eastern adjacent property located at 455 Yolanda Avenue is currently listed as an open LUST case with the NCRWQCB. This facility is designated as Redwood Oil #141 Bulk Plant. The Redwood Oil #141 Bulk Plant facility has impacted local soil and shallow groundwater with gasoline, diesel, and MTBE. The facility is currently undergoing remediation under the oversight of NCRWQCB. Based on Ardent's review of the most recent groundwater monitoring report for this facility dated December 19, 2017, the impacted soil and groundwater plumes appears to be well defined and do not encroach onto the site. Based on this information and the cross gradient location, this facility would not likely present an environmental concern to the site.

#### **368 Yolanda Avenue – Malm Fireplaces**

The adjacent property to the south of the site across Yolanda Avenue, located at 368 Yolanda Avenue, is listed as Malm Fireplaces, Inc. as a Sonoma County Cleanup Program Site. This facility had a dripping solvent tank which was used as part of the fireplace manufacturing process at the facility. In 1999, it was determined that this facility had impacted local shallow groundwater and soil vapor with the volatile organic compound (VOC) trichloroethylene (TCE).

Based on Ardent's review of the most recent Groundwater Monitoring Report for the Malm Fireplaces facility dated April 22, 2016, it appears that the northern most extent of the TCE plume in shallow groundwater has not been defined and may extend beneath Yolanda Avenue.

However groundwater flow direction is to the south-southwest and therefore it is unlikely that this plume will migrate and intermingle with the remaining plume of gasoline and BTEX beneath the site. Based on this information and the down gradient location, this facility would not likely represent an environmental concern to the site

#### **2640 Santa Rosa Avenue – Malm Metals**

The property located at 2640 Santa Rosa Avenue to the southwest of the site across Yolanda Avenue, identified as Malm Metals, is listed as a closed LUST case. Malm Metals formerly utilized a 1,000-gallon gasoline UST which was found to have leaked and impacted shallow groundwater. The UST was removed in 1982, following removal of the UST several phases of investigation and remediation were completed, including groundwater monitoring, dual-phase groundwater and soil vapor extraction, ozone injection, and the excavation and removal of 9,000 cubic yards of impacted soil. The NCRWCB granted Malm Metals case closure in a NFA letter dated December 11, 2017. Based on this information and the down gradient location, this facility would not likely represent an environmental concern to the site.

#### **SUMMARY OF CONCLUSIONS**

Based on Ardent's review of available environmental reports and documents for the site and neighboring facilities, Ardent presents the following summary of conclusions:

- Soil and groundwater remedial actions at the site have successfully mitigated the presence of gasoline and BTEX in soil and groundwater to levels that meet the LTCP closure criteria and meet all case closure requirements set by the NCRWQCB. Case closure was issued to the site by the NCRWQCB on June 26, 2017.
- Limited quantities of gasoline and BTEX impacted soil and groundwater were allowed to remain in place on the basis that the contaminants do not present a human health risk to occupants of the site or a risk to the environment. However, these materials may be encountered during excavation or trenching that may take place at the site. Such materials may require special handling or disposal requirements.
- Based on the results of soil vapor sampling, there does not appear to be a vapor intrusion concern for current or future buildings at the site in the southwest area of the site.
- A SGMP has been prepared for the site. Any future redevelopment of the site will be required to implement and follow the SGMP.
- The site has been used for truck maintenance and service since the 1940s. Previous investigations at the site have focused on the former UST locations and portions of the site have not been investigated. Based on the historic use of the site, additional areas of soil and groundwater contamination may be present in areas not previously investigated.

## RECOMMENDATIONS

Based on the potential environmental concerns identified above, Ardent recommends the following actions prior to acquisition of the site:

- Prior to and during any redevelopment activities at the site, the SGMP for the site should be implemented.
- If redevelopment activities extend into or disturb impacted soil and/or groundwater, there may be costs associated with the testing, handling and disposal of any impacted material encountered.
- Prior to acquisition of the site, a Phase I Environmental Site Assessment should be performed and a screening level soil vapor investigation should be completed to assess areas of the site not included in previous investigation.

Ardent appreciates this opportunity to be of service.

Sincerely,  
**Ardent Environmental Group, Inc.**



Jonathan Anderson  
Staff Geologist



Craig A. Metheny, C.A.C  
Principle Geologist

Distribution: (1) Addressee – via email

## REFERENCES

Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO), 2018, Human Health Risk Assessment (HHRA) Note Number 3, DTSC-Modified Screening Levels (DTSC-SLr), dated January.

Environmental Geology Services (EGS), 2012, Feasibility Study and Correction Action Plan, 325 Yolanda Avenue, Santa Rosa, California: unpublished report, dated June 26.

\_\_\_\_\_, 2015, March 31/April 1, 2015 Rebound Groundwater Monitoring and Remediation System Status, 325 Yolanda Avenue, Santa Rosa, California: unpublished report dated May 6.

\_\_\_\_\_, 2016a, Site Evaluation for Case Closure, 327 Yolanda Avenue, Santa Rosa, California: unpublished report dated March 3.

\_\_\_\_\_, 2016b, Soil Vapor Investigation and Sensitive Receptor Survey, 327 Yolanda Avenue, Santa Rosa, California: unpublished report dated November 25.

\_\_\_\_\_, 2016c, Low-Treat Closure Site Evaluation and Request for Case Closure, 327 Yolanda Avenue, Santa Rosa, California: unpublished report dated December 27.

\_\_\_\_\_, 2017a, Revised Soil & Groundwater Management Plan and Health and Safety Plan, 327 Yolanda Avenue, Santa Rosa, California: unpublished report dated May 12.

\_\_\_\_\_, 2017b, Monitoring and Remediation Well Abandonment for Case Closure – Former UST Site, Hulsman Transportation, 327 Yolanda Avenue, Santa Rosa, California: unpublished report dated June 16.

Ed Clark & Associates, Inc., 2016, February 2016 Groundwater Monitoring Report, 368 Yolanda Avenue, Santa Rosa, California: unpublished report dated April 22.

North Coast Regional Water Quality Control Board (NCRWQCB), 2016, Comments on Site Evaluation for Case Closure, Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California: letter dated May 13.

\_\_\_\_\_, 2017a, Interoffice Communication, Hulsman Transportation, 325 Yolanda Avenue, Santa Rosa, California, dated January 10.

\_\_\_\_\_, 2017b, No Further Action Letter, Hulsman Transportation, 327 Yolanda Avenue, Santa Rosa, California: letter dated June 26.

RDM Environmental. 2017, 1<sup>st</sup> Half 2017 Groundwater Monitoring and Remediation System Status Report, Redwood Oil Company Facility No.141, 455 Yolanda Avenue, Santa Rosa California: unpublished report dated December 19.



**E**NVIRONMENTAL  
**G**EOLGY  
**S**ERVICES

Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

# **Revised Soil & Groundwater Management Plan and Health and Safety Plan**

**Hulsman Transportation**  
**325 Yolanda Avenue, Santa Rosa, California**  
**NCRWQCB Site #1TSR050**

Prepared for:

Hulsman Transportation  
Mr. Paul Hulsman  
P.O. Box 423  
Santa Rosa, CA 95402

Prepared by:

**Environmental Geology Services**  
**6169 Amie Drive**  
**Windsor, CA 95492**

---

*David L. Bush, PG 8989*  
*Principal Geologist*



**May 12, 2017**  
*Project No. 451.0711*

**Revised Soil & Groundwater Management Plan  
 and Health and Safety Plan**  
**Hulsman Transportation**  
**325 Yolanda Avenue, Santa Rosa, California**  
**NCRWQCB Site #1TSR050**

**TABLE OF CONTENTS**

INTRODUCTION. . . . . Page 1  
 BACKGROUND. . . . . Page 1  
     Site Vicinity and Description. . . . . Page 1  
     UST Removals at the Site. . . . . Page 2  
     Groundwater Supply Well. . . . . Page 2  
 SOIL & GROUNDWATER MANAGEMENT PLAN. . . . . Page 2  
     Project Management, Owner and Regulatory Consultation. . . . . Page 2  
     Responsibility. . . . . Page 3  
     Regulatory Notification and Inspection. . . . . Page 3  
     Site Meeting. . . . . Page 4  
     SGMP Implementation, Procedures, and Controls. . . . . Page 4  
     SGMP Objectives. . . . . Page 5  
     Soil Cleanup Goals. . . . . Page 6  
     Soil Management and Sampling. . . . . Page 7  
         Stockpiled Soil Sampling. . . . . Page 8  
         Excavation and Trench Soil Sampling. . . . . Page 9  
     Groundwater Management and Sampling. . . . . Page 9  
     Utility Clearance. . . . . Page 10  
     Dust Control and Air Monitoring. . . . . Page 10  
     Traffic Control and Loading Routes. . . . . Page 10  
     Excavation Site Security. . . . . Page 10  
     Soil and Groundwater Profiling and Disposal. . . . . Page 11  
     Excavation Backfilling and Paving. . . . . Page 11  
     Health and Safety Plan. . . . . Page 11  
     Report Preparation Documenting SGMP Implementation. . . . . Page 11

- Plate 1: Site Location Map
- Plate 2: Site Area - Assessor Parcel Map
- Plate 3: Previous Investigation Areas

Appendix A: Site-Specific Health and Safety Plan (HASP)

Distribution: PDF Version Only:

Ms. Jo Bentz, NC-RWQCB, [jo.bentz@wateboards.ca.gov](mailto:jo.bentz@wateboards.ca.gov)  
 Mr. Jim Hulsman, RP, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)  
 Mr. Paul Hulsman, RP, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)  
 State Geotracker Database

## INTRODUCTION

|                                    |   |
|------------------------------------|---|
| Name of Project Site (Site):       | Hulsman Transportation                                  |
| Site Address:                      | 325 Yolanda Avenue, Santa Rosa, CA                      |
| NCRWQCB Case #:                    | 1TSR050   |
| Chemicals of Concern (COCs):       | Petroleum hydrocarbons: TPH-D/MO/G/BTEX<br>Metals: Lead |
| Area of Potential Residual Impact: | Sonoma County APN 044-071-002                           |

Environmental Geology Services (EGS) has prepared this Revised Soil & Groundwater Management Plan (SGMP) for the referenced site (Plate 1, Site Location Map) in accordance with the directives set forth in the NCRWQCB letter dated May 13, 2016, as well as their March 2, 2017 e-mailed comments.

Therefore, as based on this directive by the NCRWQCB, and to continue to move this site toward final case closure, EGS has prepared this SGMP which includes a Health and Safety Plan (HASP).

## BACKGROUND

### Site and Vicinity Description

The site is located on the north side of Yolanda Avenue, approximately 300 feet east of Santa Rosa Avenue in the southern portion of Santa Rosa, California (Plate 1, Site Location Map). The site has been owned by the Hulsman family since the 1940's, and has been operated by Hulsman Transportation (RP) since that time. The site has historically been used as a trucking and transportation company and more recently has been used for various construction related contractors for storage. The primary building was constructed on the property in approximately 1947. The site consists of Sonoma County APN 044-071-002, which totals 5.82 +/- acres (Plate 2, Site Map).

The site is zoned as CG (General Commercial) by the City of Santa Rosa, and has been nearly developed by both The Home Depot and Lowe's stores over the past 10 years. The site is located in an area of Santa Rosa that is mixed use commercial and industrial. However, there are a few intermixed residences as well.

### **UST Removals at the Site**

- ▶ 500-gallon gasoline UST (*PRIMARY SOURCE*), removed in 1982 (current investigation focus, Plate 2)
- ▶ 4,000-gallon and 8,000-gallon diesel UST's, removed in 1988 (Plate 2)
- ▶ 175 cubic yards of soil (*SECONDARY SOURCE*) over-excavated in the area of former 500-gallon UST - 1991

The areas of the former UST's and subsequent investigations are presented on Plates 2 and 3 attached to this SGMP.

### **Groundwater Supply Well**

An active domestic groundwater supply well is located on the property as shown on Plate 3. The NC-RWQCB is not requiring destruction of the well as part of the UST case closure. However, during re-development of the property, if the well will be retained for site use, measures to protect the domestic well should be employed during construction. Should the future owner/developer decide to abandon the supply well, it must be completed under permit from the Sonoma County PRMD.

## **SOIL & GROUNDWATER MANAGEMENT PLAN**

### **Project Management, Owner/Developer and Regulatory Consultation**

EGS has reviewed previously collected data at the site, the project history and available background concentrations of related contaminants of concern to develop site specific objectives and cleanup goals included in this SGMP. In addition we developed the procedures and controls to be used during the work as described in subsequent sections of this document.

EGS will submit this SGMP to the NCRWQCB to be incorporated into their case closure summaries upon review and comments from the potential buyer.

This SGMP is issued with the understanding that the contents will be followed with the intent of protecting nearby human health and the environment, to provide guidance to the current or future property Owner(s)/Developer(s) in the event redevelopment or improvements of the site that require excavation or disturbance of soils and/or management of encountered



groundwater, or if materials (i.e. drums, UST's, piping, etc.), soils or groundwater are exposed that are suspected to be contaminated, and for proper identification, management, handling and disposal of excavated soils, exposed materials, or encountered groundwater.

EGS will revise this SGMP or prepare an Addendum to satisfy regulatory comments as needed. We have also prepared a Site Health & Safety Plan (HASP) which is attached to this SGMP in Appendix A. EGS will work closely with the Owner, potential buyer/developer and regulatory agencies to assist with the implementation of this SGMP, if needed.

### **Responsibility**

The property Owner and/or Developer will be charged with responsibility of implementing this SGMP. The Owner/Developer will retain the services of a qualified and trained individual (Environmental Professional, EP). Additionally, during the implementation of the SGMP, a qualified Site Health & Safety Officer (HSO), will direct the implementation of the SGMP. The EP/HSO may be the same person

The HSO will work directly with the EP (or may be the same individual) and will be present onsite, *as needed*, to ensure the proper identification, management, characterization, and disposal (or onsite reuse) of potentially contaminated soil and groundwater during SGMP implementation.

### **Regulatory Notification and Inspection**

Prior to implementing the SGMP, all proposed development plans shall be submitted to the regulatory agencies listed below. If soils or shallow groundwater is encountered within the site that is suspected of containing residual petroleum contamination that require additional remediation, or if potentially hazardous materials such as drums, UST's, or piping are discovered the EP will be notified. If the EP confirms that the soils or groundwater are contaminated, or if hazardous materials are identified, the work shall be temporarily ceased in that location and the following regulatory agencies will be notified:

- Santa Rosa Fire Department, 707-543-3542
- North Coast Regional Water Quality Control Board, 707-576-2220

The Santa Rosa Fire Department (SRFD) is the primary agency responsible for overseeing the proper implementation of the SGMP during site redevelopment. The NC-RWQCB works with the SRFD to oversee implementation of the SGMP.

Regulatory agencies will be notified at least one week prior to beginning the grading process and soil disturbance work, and at least 48 hours prior to sampling of soil stockpiles and/or excavation/trench confirmation sampling.

### **Site Meeting**

Prior to starting the construction activities, an onsite meeting shall be held with the property Owner/Developer, contractors, the EP and HSO to discuss the SGMP and implementation objectives. Involved regulatory agencies (SRFD and NC-RWQCB) shall be invited to this meeting. A copy of the SGMP shall be provided to the construction supervisors and a copy of the SGMP shall be kept onsite during all phases of redevelopment.

### **SGMP Implementation, Procedures and Controls**

If the Owner(s) or Developer(s) conducts redevelopment or improvements of the site that requires disturbance (i.e. grading) or excavation/trenching of soils at the site, or exposes hazardous materials (i.e. drums, UST's, piping, etc.), soils or shallow groundwater that are suspected to be contaminated or may otherwise require special inspection and handling, the Owner/Developer should contact the EP/HSO.

A field inspection during the subsurface work should be completed by the EP and/or HSO in an effort to identify soils or groundwater, or other encountered materials, that contain potential residual contamination from past site activities. If it is apparent that residual contamination is present in exposed soils and groundwater, then the soils and groundwater will require proper analytical identification, management and containment.

The suspected impacted soils will be stockpiled and sampled by a qualified and trained individual to determine if the material may be reused onsite, or if off haul and disposal is required. Special profiling and acceptance to a facility that accepts the waste, and appropriate handling and disposal under manifest will be completed if the Owner/Developer choose to dispose of the generated material, based on sampling and analytical results. All soils excavated or produced during trenching must be tested prior to being placed back into the excavation or trench per NC-RWQCB directives.

It will be the responsibility of the Environmental Professional and/or HSO to notify the regulatory agencies during the work, based on their observations during the implementation of the SGMP. The following procedures and controls are included in this SGMP for use by the Owner/Developer of the subject site during redevelopment work. It is recommended that the following will be completed during the work, and EGS will be available to assist the property Owner/Developer during the work.

## SGMP Objectives

The objective of this SGMP is to provide guidance to the Owner(s) or Developer(s) in the event redevelopment or improvements of the site area that require disturbance or excavation of soils, or if groundwater is encountered during site redevelopment work, or if materials or soils that are suspected to be contaminated or may otherwise require special inspection and handling are exposed during site redevelopment work. Examples of this might be exposure of a pocket of soils with hydrocarbon or chemical odors and / or are unusually stained, exposure of a buried drum, tank or piping, etc., or if soils are excavated and shallow groundwater is encountered. Based on the results of the UST investigation and clean up, we believe the potential for such encounters is low since impacted soils and groundwater appear to be at depth beneath the site (18-20 feet bgs and greater), and primarily located on the southwest margin of the property and beneath Yolanda Avenue (Plates 2 and 3).

If obviously contaminated soil or groundwater, with odors, PID readings and/or soil staining are observed during the site work, the contractors shall notify the EP/HSO, who will notify the regulatory agencies if deemed to be required. The regulatory agencies will respond within 48 hours to their being notified, and it will be determined if additional investigation, sampling, and/or excavation is required. Soil sampling and additional excavation, if needed, shall occur as describe din this SGMP, or as otherwise directed by regulatory agency personnel onsite.

Implementation of the SGMP will incorporate the following procedures and controls during the work at the site to minimize exposure of potential residual contaminants, properly identify, manage, handle and dispose of impacted materials, soils and groundwater to protect human health and the environment:

- 1) Soils disturbed or excavated as part of a potential redevelopment or improvement to the site may contain residual contaminants, although concentrations of these residual contaminants will likely be very low. It is expected that the site will be a balanced development, and it is expected that a limited amount of soil will require off hauling. However, such soils will require proper management, handling, profiling, acceptance, hauling, and disposal based on analytical results and landfill acceptance *if residual contamination is identified*. All excavated or trenched soil must be analyzed prior to being placed back into the excavation or trench.

- 2) If shallow groundwater is encountered as part of a potential redevelopment or improvement at the site, it may contain residual contaminants, although concentrations of these residual contaminants will likely be very low. However,

encountered shallow groundwater will require proper temporary containment, sampling, management, handling, profiling, acceptance, hauling, and disposal based on analytical results and facility acceptance *if residual contamination is identified*.

3) Minimize exposure to dust for construction workers, nearby residences and business operations, and passers-by near the site to minimize inhalation, dermal absorption, and ingestion.

4) Traffic control measures, including loading and hauling routes, during potential excavation work at the site.

5) Secure excavation and work area, if needed, until backfilling has been completed.

6) Notify construction crews to be on the alert for soils with possible chemical or petroleum odors, and / or tanks, pipes or other materials that may require special inspection and handling, as well as if shallow groundwater is identified.

7) If such conditions are encountered, the Owner/Developer should notify EGS or other EP/HSO immediately for site inspection and consultation on how to proceed in accordance with the SGMP.

## Soil Cleanup Goals

With regard to clean up goals, this SGMP focuses on potential excavated soil and groundwater waste identification, management, handling and re-use or proper disposal. Since residual contamination has been encountered in soils and groundwater, at depth, during the UST related investigation on the site (Plates 2 and 3), the NCRWQCB has directed the preparation of this SGMP prior to final case closure.

Therefore, the following cleanup goals for potential contaminants at this site are in accordance with the NC-RWQCB e-mail dated March 2, 2017, and based on the following published regulatory criteria<sup>1</sup>: California DTSC June 2016 HERO Note 3, EPA Region 9 May 2016 RSL's, and SFB-RWQCB February 2016 Commercial ESL's.

---

1

A) DTSC's Human Health Risk (HERO) Note 3, June 2016, <http://www.dtsc.ca.gov/assessingrisk/humanrisk2.cfm>

B) EPA Region 9 Regional Screening Levels (RSL's), May 2016,  
<https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>

C) SFB-RWQCB "Environmental Screening Levels, Commercial/Industrial Settings, February 2016,  
[http://www.swrcb.ca.gov/rwqcb2/water\\_issues/programs/esl.shtml](http://www.swrcb.ca.gov/rwqcb2/water_issues/programs/esl.shtml)

If encountered, the following soil cleanup goals for the Constituents of Concern (CoC's) will be used to determine if soils may be reused onsite:

- TPH-Gasoline - 500 mg/kg (ESL)
- TPH-Diesel - 880 mg/kg (ESL)
- TPH-Motor Oil - 32,000 mg/kg (ESL)
- Benzene - 1.4 mg/kg (Note 3)
- Toluene - 5,400 mg/kg (Note 3)
- Ethylbenzene - 25 mg/kg (RSL)
- Xylene - 2,500 mg/kg (RSL)
- Lead 320 mg/kg (Note 3)

The reporting detection limits for the laboratory results in soil shall be as follows:

- TPH-Gasoline - 5.0 mg/kg
- TPH-Diesel - 5.0 mg/kg
- TPH-Motor Oil - 50 mg/kg
- BTEX - 1.0 mg/kg
- Lead - 3.0 mg/kg

This SGMP is produced and submitted with the intent that it is to be a working document that may be revised based additional information from field observations, or as reported to EGS or the NCRWQCB. It should also be noted that landfill facilities, if soil is to be off hauled, will have their own acceptance criteria that may differ from the above.

### **Soil Management and Sampling**

During the redevelopment of the site area, specified in this SGMP (APN 004-071-002, Plate 2), disturbance of near surface soils by grading will likely occur. As indicated in an earlier section of this SGMP, it is currently anticipated that the site will likely balance with respect to the soil use although final development plans are not available at this time. However, if *excess soil* is generated during the site grading, the contractor will stockpile the soils for proper management and sampling for either 1) re-use on the site, or 2) disposal at a landfill facility.

Soils will be screened periodically in the field during the redevelopment work by the site EP/HSO using a PID. Soils will be initially screened with a PID and visual observation, but stockpiled soil to be reused onsite requires analytical testing to confirm.

In general, soils produced during the grading effort will not be screened using a PID *unless*

*the EP/HSO is notified* by the contractor due to identified possible contamination. Field screening using a PID will be more frequent during trenching or excavation work. When onsite, the EP/HSO shall screen soils with a PID as needed.

Additionally, if contaminated soils are encountered, based on visual inspection and field screening using a PID, the Owner/Developer will be required to contact the EP/HSO who would then notify the regulatory agencies, if needed. If the EP/HSO determines that additional remedial excavation is needed, the work in that area will be temporarily ceased so that regulatory agencies may be notified.

### *Stockpiled Soil Sampling*

If soils are to be re-used on site, stockpiled soils generated during the site work will be sampled at a frequency of one (1) discrete sample for every 40 CY, with at least ten (10) soil samples collected from every stockpile. Per the USEPA, a minimum of ten soil samples for a statistically valid estimate of the 95 percent upper confidence limit of the mean (95UCLM) for risk assessment purposes is required<sup>2</sup>.

The 95UCLM will be calculated for site CoC's using the USEPA statistical software, ProUCL<sup>3</sup>. The CoC 95UCLM will be calculated and compared to the cleanup goals as presented in an earlier section of this SGMP. Soils that have a 95UCLM value for COC's at or below the cleanup goals may be re-used on the site. Soils that exceed this level will be disposed of properly offsite.

If the contractor decides to simply off-haul excess soils, the soil stockpiles will be sampled at a frequency determined by the landfill facility, which will include a rate of four (4) discrete samples for every 250 CY. All landfill requirements, above what is indicted in this SGMP, will be satisfied if disposal is completed. The discrete soil samples will then be composited by the analytical laboratory at a maximum ratio of 4:1 for analysis of one 4:1 composite sample for every 250 CY for disposal.

Additional analysis maybe required by the landfill after they review the analytical results for acceptance. All waste manifests will be included in the final report. Soil samples will be collected in glass jars achieving zero head space, with the support of a backhoe or other suitable equipment to ensure that representative samples throughout each stockpile are

---

2

USEPA. 1992. Supplemental Guidance to RAGS: Calculating the Concentration Term. Office of Solid Waste and Emergency Response. Washington, D.C. PB92-963373

3

[https://www.epa.gov/sites/production/files/2016-05/documents/proucl\\_5.1\\_user-guide.pdf](https://www.epa.gov/sites/production/files/2016-05/documents/proucl_5.1_user-guide.pdf)

collected. All soil samples to be analyzed for VOC's will be collected and preserved in the field in accordance with EPA preservation method 5035, in accordance with NC-RWQCB requirements.

#### *Excavation and Trenching Soil Sampling*

Excavation and/or trenching is expected to generate soils during the course of the site development. Soil sampling of the excavation or trench soil will be completed to determine if onsite reuse is acceptable. Stockpiled soil produced from excavation or trenching will be sampled in accordance with the previous section of this SGMP. Excavation and trench soils that are suspected to contain residual contamination will be screened in the field using a PID. Any stockpiled soil removed from excavations or trenches on the site will be placed on visqueen sheeting, and covered with the same, until sampling and analysis can be completed, and reuse or disposal is determined.

If residual contamination is suspected or identified during the excavation or trench work, the EP will be notified. If the EP confirms that the soil is contaminated, the work will be temporarily ceased, regulatory agencies will be notified, and additional excavation will then be implemented. After it is determined that additional excavation has removed suspected contamination based on visual, olfactory, and PID field screening, confirmation soil sampling will occur in the presence of a regulatory agency. Confirmation soil samples will be collected from the bottom of an excavation or trench every 50 SF, and from the sidewalls of an excavation or trench every 20 lineal feet.

All soil samples for VOC analysis will be preserved in the field in accordance with EPA preservation method 5035, in accordance with NC-RWQCB requirements. Soil samples for analysis of heavier petroleum related compounds (diesel and motor oil) as well as metals will be collected in glass jars achieving zero head space, with the support of a backhoe or other suitable equipment.

If soils removed from excavations or trenches are determined unsuitable for re-use, then the excavation and trenches will need to be backfilled with clean import material.

#### **Groundwater Management and Sampling**

As indicated in the NC-RWQCB's March 2, 2017 e-mail, all groundwater extracted from the site shall be considered contaminated until testing proves otherwise.

If groundwater is encountered during the site work, likely only possible in deeper trenches or possible excavations associated with the site redevelopment, all groundwater that needs

to be removed will be pumped and contained in a frac-tank or similar container until proper sampling and analysis can be performed. If groundwater is encountered in a trench located within the area of known contamination, then trench plugs shall be installed for utility corridors and piping runs. Groundwater contained in a holding tank (frac-tank or baker tank or similar) shall be analyzed for the site CoC's and, based on the analytical results, either 1) be discharged under permit to the City of Santa Rosa sewer system, or 2) hauled offsite and properly disposed under manifest.

In accordance with the comments made by the NC-RWQCB in their e-mail dated March 2, 2017, all groundwater generated from the site during redevelopment, for dewatering of excavations or trenches, for example, shall NOT be discharged to storm drains or surface water conveyances, including drainage ditches, creeks, or culverts.

Storm water will be managed pursuant to the site redevelopment SWPPP

### **Utility Clearance**

Prior to completing any site grading and/or excavation, the site boundaries, as shown on Plate 2, will need to be marked, and Underground Services Alert (USA) will need to be notified of excavation dates to gain utility clearance.

### **Dust Control and Air Monitoring**

During all redevelopment grading and excavation procedures on the site, the operation should incorporate dust control measures. Soils should be continually wetted to control fugitive dust to protect worker safety as well as human health in the nearby area and the environment from potential contaminants contained within the dust.

### **Traffic Control and Loading Routes**

A traffic control plan should be prepared to control traffic along Santa Rosa Ave and Yolanda Avenue during a potential construction project at the site, and the route for waste disposal trucks used during the excavation off haul should be clearly annotated.

### **Excavation Site Security**

After completion, all excavation(s) should be secured to protect human health until the excavation(s) have been backfilled.



### **Soil and Groundwater Profiling and Disposal**

Upon receipt of soil and/or groundwater samples, a waste profile will be completed and the waste accepted by a licensed facility, if this is the decision of the Owner/Developer or if analytical results indicate soils cannot be re-used onsite. The soil and/or groundwater will then be loaded, hauled and disposed under waste manifest to be documented and submitted to the involved regulatory agencies.

### **Excavation Backfilling and Paving**

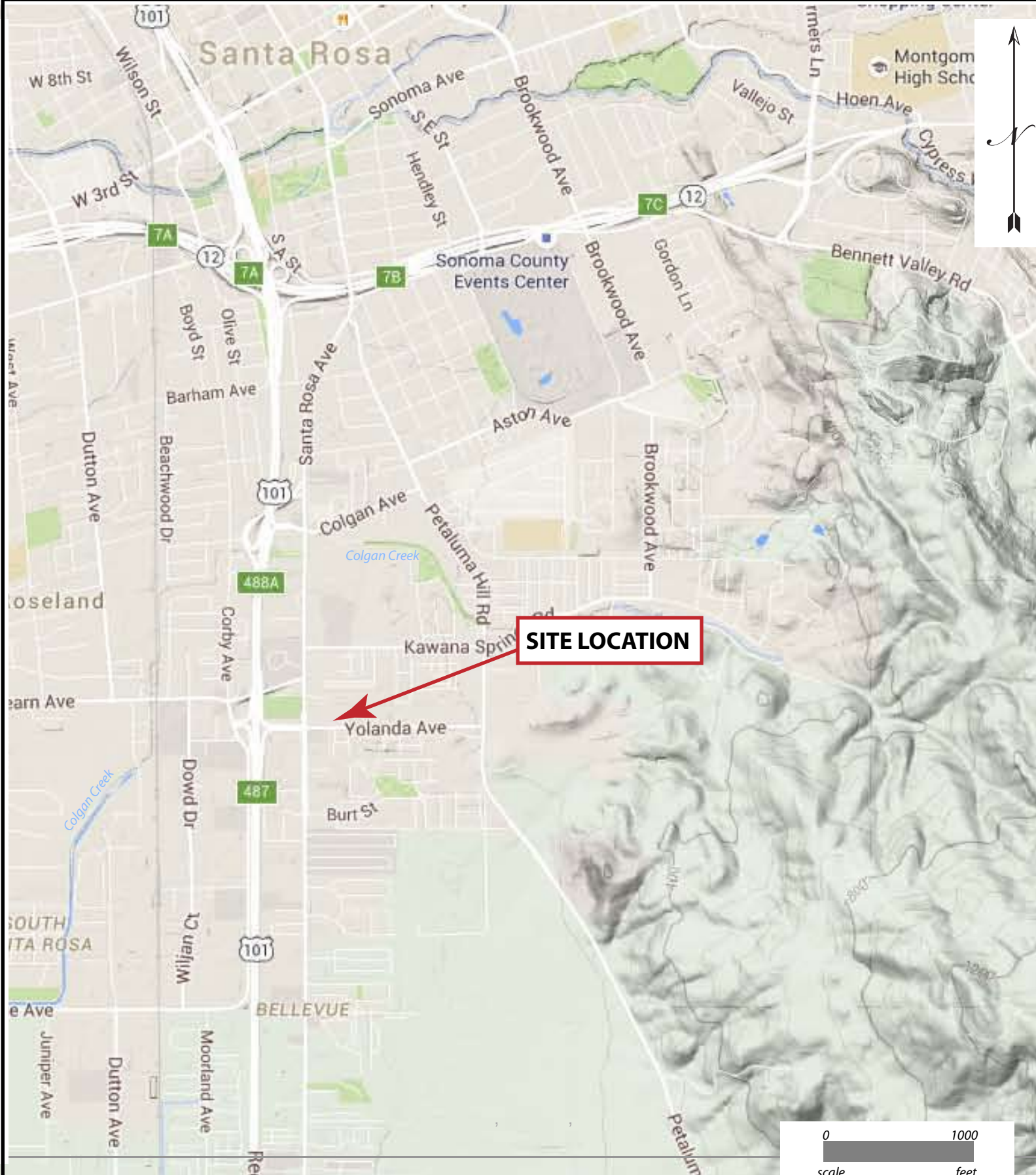
Upon completion of an excavation, it must be backfilled with clean imported soils. EGS recommends compaction in accordance with project engineer's design and in accordance with the Owner(s)/Developer(s) approved and permitted redevelopment plan.

### **Health and Safety Plan**

Attached to this SGMP is the site specific Health and Safety Plan (HASP). The HASP has been prepared to provide site specific information for workers during an excavation process to protect worker safety, human health and the environment. It is recommended that the HASP be reviewed prior to completing the work.

### **Report Preparation Documenting SGMP Implementation**

Upon completion of the SGMP implementation, and following the receipt of the waste disposal manifests, EGS will complete the final report documenting the work. The report may include topics such as a description of field procedures and controls incorporated in accordance with the SGMP, results of additional sampling (if needed), to-scale site map (including additional sample locations, if needed), and documentation of soil off haul and disposal waste manifests. The final report will also include copies of all analytical reports.



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAY 2017

**SITE LOCATION MAP**  
**SOIL & GROUNDWATER MANAGEMENT PLAN**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
1



Serving Northern California Since 1989  
www.EGSc consultants.com

**ENVIRONMENTAL**  
**GEOLOGY**  
**SERVICES**  
Consulting and Project Management

OFF: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAY 2017

**SITE AREA - ASSESSOR PARCEL MAP**  
**SOIL & GROUNDWATER MANAGEMENT PLAN**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #175R050

PLATE

2





**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAY 2017

**PREVIOUS INVESTIGATION AREAS**  
**SOIL & GROUNDWATER MANAGEMENT PLAN**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
**3**

**Revised Soil & Groundwater Management Plan  
and Health and Safety Plan  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NCRWQCB Site #1TSR050**

Page HASP 1

## **APPENDIX A**

### **Site-Specific Health and Safety Plan (HASP)**

## **SITE HEALTH & SAFETY PLAN**

### **GENERAL INFORMATION:**

**SITE:** Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

**OWNER:** Property Owner: Paul Hulsman  
Address: P.O. Box 423  
City/State: Santa Rosa, CA 95402  
Telephone: 707-479-9023

**PLAN PREPARED BY:** Environmental Geology Services  
6169 Amie Drive  
Windsor, CA 95492  
707-528-0810

**OBJECTIVES:** To protect worker safety and the safety of surrounding human health and the environment during shallow soil grading and excavation work at the site specified in the Soil & Groundwater Management Plan.

The objective of the work is to identify, manage, handle, and dispose of potentially impacted soils and/or groundwater if encountered at the site during redevelopment of site improvements in these areas. Excavated soils and shallow groundwater may contain concentrations of residual petroleum hydrocarbons, VOC's and metals. This HASP provides information to protect EGS worker safety during the work, as well as surrounding human health and the environment. Contractors need to have their own HASP, but may use information in this plan, as well as other sources, to develop a plan appropriate to their needs.

### **PROPOSED DATE OF**

**SITE WORK:** HASP completed and to be implemented in the event work is needed.

### **DOCUMENTATION/SUMMARY:**

Residual concentrations of petroleum hydrocarbon products, VOC's and metals may be present in soils; caution is advised. Site work may include excavation of shallow soils, including possible de-watering of the excavation, followed by and backfilling and paving, and off haul / disposal of excavated soils and removed groundwater.

**SITE/WASTE CHARACTERISTICS:**

**POSSIBLE WASTE TYPES:** Residual concentrations of petroleum hydrocarbon products including TPH-D, TPH-G, BTEX, MTBE, VOC's, and metals.

**CHARACTERISTICS:** Toxic, caution advised

**FACILITY DESCRIPTION:** Former petroleum UST's

**HAZARDOUS EVALUATION:**

**PARAMETER:** Visual and odors

**HEALTH:** Ingestion, Inhalation, Absorption, preliminary indicators: odors, dizziness, nausea. Move away to fresh air if odors noted.

**SPECIAL PRECAUTIONS  
AND COMMENTS**

Correct safety procedures must be followed per HASP. Underground utilities will be identified and marked accordingly. Primary concern is personnel and pedestrian safety related to earth moving equipment.

**SITE SAFETY WORK PLAN:**

**PERIMETER ESTABLISHMENT:** Use chain linked fence, barricades, or orange traffic cones to secure work area and identify work area to nearby pedestrian and vehicle traffic flow as needed.

**PERSONAL PROTECTION:** Level of Protection: Max. EPA Level D  
Modifications: Hard Hats, gloves  
Surveillance Equipment: PID/FID to be used by the EPO to monitor VOC's  
Dust Control: Light water spray during excavation and loading operations

**SITE ENTRY PROCEDURES:** Control as necessary traffic away from excavation equipment and workers.

**DECONTAMINATION PROCEDURES:** Personnel: Wash with detergent and water frequently and before food consumption  
Equipment: Remove excess soil before leaving site

**FIRST AID:** First aid kit on site

**WORK LIMITATIONS:** Utilities to be identified & marked. USA notified at least 48 hours in advance.

**TEAM COMPOSITION:** David L. Bush, PG - Chief Geologist

**EMERGENCY INFORMATION:**

**LOCAL RESOURCES:** Ambulance/Hospital  
Dial 911

Police/Sheriff/Highway Patrol  
Dial 911

Fire Department  
Dial 911



Revised Soil & Groundwater Management Plan  
and Health and Safety Plan  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NCRWQCB Site #1TSR050

Page HASP 5

**ON SITE RESOURCES:** Fire Extinguisher, First Aid Kit,  
Telephone and Water.

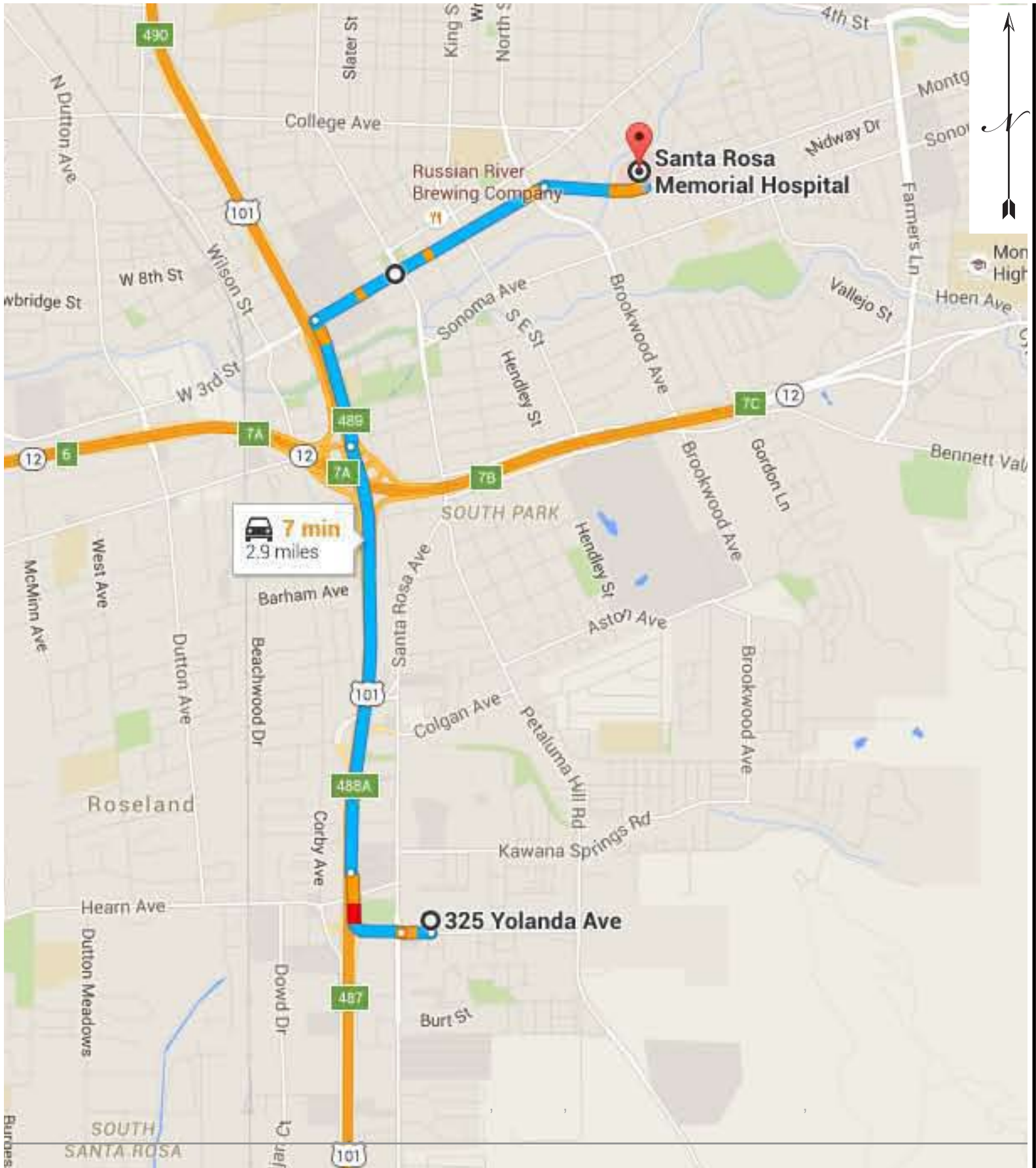
**EMERGENCY CONTACT:** David Bush  
(707)-528-0810 or (707) 953-1020

**EMERGENCY ROUTES:**

**MEDICAL FACILITY** - West on Yolanda Avenue, north on Highway 101, Exit 489 to Downtown Santa Rosa (Third Street), turn right onto Third Street, pass Brookwood Avenue, then turn slightly right onto Montgomery Drive. Santa Rosa Memorial Hospital on left at 1165 Montgomery Drive. Follow signs to emergency entrance.

Map Attached.





**7 min**  
2.9 miles



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAY 2017

**HOSPITAL LOCATION MAP**  
**SOIL & GROUNDWATER MANAGEMENT PLAN**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
HASP



**E**NVIRONMENTAL  
**G**EOLOGY  
**S**ERVICES  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

June 16, 2017  
Project No: 451.0711

Ms. Jo Bentz  
NC-RWQCB  
5550 Skylane Blvd, Ste A  
Santa Rosa, CA 95403

**RE:            REPORT**  
**MONITORING AND REMEDIATION WELL ABANDONMENT**  
**FOR CASE CLOSURE - FORMER UST SITE**  
**Hulsman Transportation**  
**325 Yolanda Avenue, Santa Rosa, California**  
**NC-RWQCB Case #1TSR050**

Dear Ms. Bentz:

The North Coast Regional Water Quality Control Board (NC-RWQCB) has requested that Hulsman Transportation (Owner) complete the abandonment of nine (9) shallow and one (1) deeper groundwater monitoring wells, as well as eight (8) shallow and two (2) deeper remedial sparge wells as the final step to completing case closure at the referenced site (Plate 1, Site Location Map).

Additionally, the NC-RWQCB authorized the current property, Hulsman Transportation, to abandon one onsite multi-chamber monitoring well associated with the adjacent UST investigation site to the east (Redwood Oil).

Environmental Geology Services (EGS) prepared our Work Plan dated February 3, 2017 for Monitoring and Remediation Well Abandonment (Report) in accordance with the NC-RWQCB's directive letter dated January 24, 2017. EGS received authorization from Ms. Jo Bentz, NC-RWQCB, to implement the Work Plan in her March 23, 2017 e-mail communication.

EGS discussed the abandonment of the remediation sparge wells with our subcontracted drilling company, and prepared and submitted the Addendum to Work Plan via e-mail communication dated May 5, 2017 which included our proposal to abandon the remediation sparge wells by pressure grouting. The e-mailed Addendum to Work Plan also included the scope of work to abandon by pressure tremmie grouting the onsite multi-chamber well MW-27 associated with the offsite, adjacent east UST investigation (Redwood Oil). Ms. Bentz, of the NC-RWQCB, concurred with the Work Plan Addendum in her e-mail communication dated May 9, 2017.

## **REPORT**

Page 2

### **MONITORING AND REMEDIATION WELL ABANDONMENT FOR CASE CLOSURE - FORMER UST SITE Hulsman Transportation, NC-RWQCB Case #1TSR050 325 Yolanda Avenue, Santa Rosa, California**

This Report describes the procedures that were implemented for proper abandonment of the monitoring and remediation wells in accordance with the directives set forth by the NC-RWQCB to complete case closure of the UST investigation at this site.

## **Well Abandonment**

### *Permitting and Utility Clearance*

Upon approval of the work by the NC-RWQCB, EGS completed the Sonoma County Environmental Health Division (SCEHD) drilling permit application, as well as the City of Santa Rosa Encroachment Permit application since some of the work was located adjacent to the shoulder of Yolanda Avenue. EGS received the SCEHD approved drilling permit number SR0014171 and City of Santa Rosa Encroachment Permit number EP17-0311. Additionally, prior to the start of the work, EGS traveled to the site to mark site boundaries and drilling locations in white paint, and notified Underground Services Alert (USA) and received clearance ticket #X715000758-00X.

### *Scheduling and Notification*

EGS scheduled our subcontracted C-57 licensed drilling company, Clear Heart Drilling, Inc. of Santa Rosa, CA for the week of June 5 – 9, 2017 to perform the work. As required by the SCEHD and City of Santa Rosa permitting, EGS provided at least 48 hours notice prior to the start of the work. EGS also coordinated with the Owner, and notified the NC-RWQCB prior to the start of the work.

### *Abandonment by Over Drilling*

EGS directed our subcontracted State of California C-57 licensed drilling contractor, Clear Heart Drilling, Inc., to over drill the 2-inch diameter well casings of monitoring wells MW-1s, MW-2s, MW-3s, MW-3d and MW-4, as well as monitoring wells B-15 and B-27 (Plate 2, Site Map). To access wells MW-3s and MW-3d, the chain linked fence was removed and needed to be repaired which EGS coordinated.

After drilling out the well construction material and removing the well casings, the open boring was backfilled to within at least 6 inches of grade with neat cement using the tremmie method. The upper 6 inches was filled with concrete or gravel to match existing surface. The well casing and the Christy box from each well was removed from the site and disposed of by the drilling contractor.

*Abandonment by Pressure Grouting*

EGS directed our subcontracted State of California C-57 licensed drilling contractor, Clear Heart Drilling, Inc., to abandon the 1-inch diameter remedial sparge wells RW-1 through RW-10 (Plate 2) by pressure grouting the well casing. Additionally, due to their proximity to Yolanda Avenue (in fog strip) and underground and overhead utility lines, EGS requested and was granted a variance from the SCEHD to pressure grout monitoring wells B-16 and B-17 (Plate 2).

Neat cement was added to the well casings by the tremmie method, and the top of the well casings were configured with a pressurized cylinder. At least 25-30 psi of pressure was added to the well casings for a minimum of 5 minutes to force the grout into the formation through the well screens. After at least 5 minutes, if the grout dropped additional grout was added to the well casings and the process repeated until the grout did not drop. Following the pressure grout process, EGS directed Clear Heart to drill out the upper 5 feet of material (except B-16 and B-17) followed by backfilling to within 6 inches of grade with neat cement. The upper 6 inches was filled with concrete or gravel to match existing surface. The Christy box from each well was removed from the site and disposed of by the drilling contractor.

In addition to the above wells, EGS directed Clear Heart Drilling, Inc. to pressure tremmie grout the individual chambers (7) of the onsite well MW-27 (associated with the adjacent east UST investigation at Redwood Oil, Plate 3). A ¼-inch tube was lowered in each chamber to the final depth (ranging from 25 feet bgs to 230 feet bgs) and connected to a pump. Grout was forced into each chamber using the tremmie method to displace groundwater. Following the grouting process, EGS directed Clear Heart to drill out the upper 5 feet of material followed by backfilling to within 6 inches of grade with neat cement. The upper 6 inches was filled with gravel to match existing surface. The Christy box from the well was removed from the site and disposed of by the drilling contractor.

*Lost Monitoring Well B-18*

As discussed with the NC-RWQCB, monitoring well B-18 had been assigned to the subject site in 2011 (Plate 2). This well was originally installed related to the UST investigation at 2640 Santa Rosa Avenue. This monitoring well had been located east of well B-17, along Yolanda Avenue and has been paved over since the time EGS began working on the subject site's UST investigation. EGS reviewed GPS coordinates

## **REPORT**

Page 4

### **MONITORING AND REMEDIATION WELL ABANDONMENT FOR CASE CLOSURE - FORMER UST SITE Hulsman Transportation, NC-RWQCB Case #1TSR050 325 Yolanda Avenue, Santa Rosa, California**

uploaded to Geotracker, as well as to scale maps associated with the adjacent UST investigation to determine an approximate location of this well.

In August 2016, EGS retained the services of NorCal Geophysical Consultants, Inc. to perform a geophysical survey in the approximate area of well B-18. An area of approximately 15' x 50' was surveyed using magnetometer and ground penetrating radar technologies which resulted in two target anomalies. EGS directed Clear Heart Drilling, Inc. to remove the overlying asphalt and explore the two anomalies produced during the geophysical survey, but were unable to locate missing monitoring well B-18.

Based on their field observations, the SCEHD authorized leaving the missing well in place pending appropriate documentation an evaluation of beneficial uses be completed, which EGS will comply with under separate cover.

#### *AOSS Removal*

In addition to removing the remediation wells at the subject suite, EGS also removed the Air Operated Sparging System (AOSS) from the site. This entailed disconnecting the AOSS unit from the power supply, disconnecting the air delivery tubing from the AOSS unit, removing the AOSS unit, removal of the associated air delivery tubing, and removal of the protective barricades along Yolanda Avenue. The PVC conduits (located approximately 6-12 inches bgs) will remain in place until the site is redeveloped. Refer to Plate 2 for the location of the AOSS unit and associated delivery lines.

#### **Soil Disposal**

All drill cuttings and decontamination water produced during the abandonment procedures were contained in labeled, steel 55-gallon DOT drums. Ten (10) soil and one (1) water drums were produced, labeled and stored onsite until they were picked up on June 13, 2017 by our subcontract waste disposal contractor, EnviroPacific. EnviroPacific will collect confirmation soil samples and dispose of the drummed waste accordingly. The Non-Hazardous Soil and Water Disposal documents are attached to this report for reference.

#### **Geotracker Compliance**

As a final task for this site, and to gain case closure, EGS has uploaded this Well Abandonment Report, as well as confirming that all pertinent site investigation information is submitted to the State Geotracker database.

**REPORT**  
**MONITORING AND REMEDIATION WELL ABANDONMENT**  
**FOR CASE CLOSURE - FORMER UST SITE**  
**Hulsman Transportation, NC-RWQCB Case #1TSR050**  
**325 Yolanda Avenue, Santa Rosa, California**

Page 5

## Closing

Environmental Geology Services has completed this UST investigation in accordance with the directives set forth by the NC-RWQCB, and in accordance with the California State Low-Threat Closure Policy. The abandonment of the monitoring wells and remediation wells was the final requirement of the NC-RWQCB, as EGS has submitted and received NC-RWQCB approval for the Soil and Groundwater Management Plan, and the NC-RWQCB has approved case closure and the site has completed the public comment period with no comments submitted to the NC-RWQCB. Based on the work completed over the course of this UST Investigation, EGS recommends that the NC-RWQCB issue the final closure letter for this case.

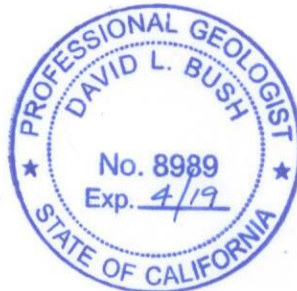
---

If you have any questions please call us at 707-528-0810.

Sincerely,  
**Environmental Geology Services**



David L. Bush, PG 8989  
Principal Geologist



Attachments:      Plate 1:      Site Location Map  
                         Plate 2:      Site Map Including Monitoring Well Locations  
                         Plate 3:      Adjacent UST Investigation Site Map showing MW-27

Non-Hazardous Soil Disposal Document  
Non-Hazardous Water Disposal Document

cc:                    Mr. Jim Hulsman, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)  
                         Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)  
  
                         Ms. Jo Bentz, NC-RWQCB (PDF), [jo.bentz@waterboards.ca.gov](mailto:jo.bentz@waterboards.ca.gov)  
                         5550 Skylane Blvd., Suite A, Santa Rosa, CA 95403  
  
                         Ms. Lisa Lamb, SCEHD (PDF), [Lisa.lamb@sonoma-county.org](mailto:Lisa.lamb@sonoma-county.org)  
                         625 5<sup>th</sup> Street, Santa Rosa, CA 95401  
  
                         Mr. Richard Munsch, RDM, [rdmenv@sbcglobal.net](mailto:rdmenv@sbcglobal.net)

Uploaded to Geotracker Database

**Environmental Geology Services**



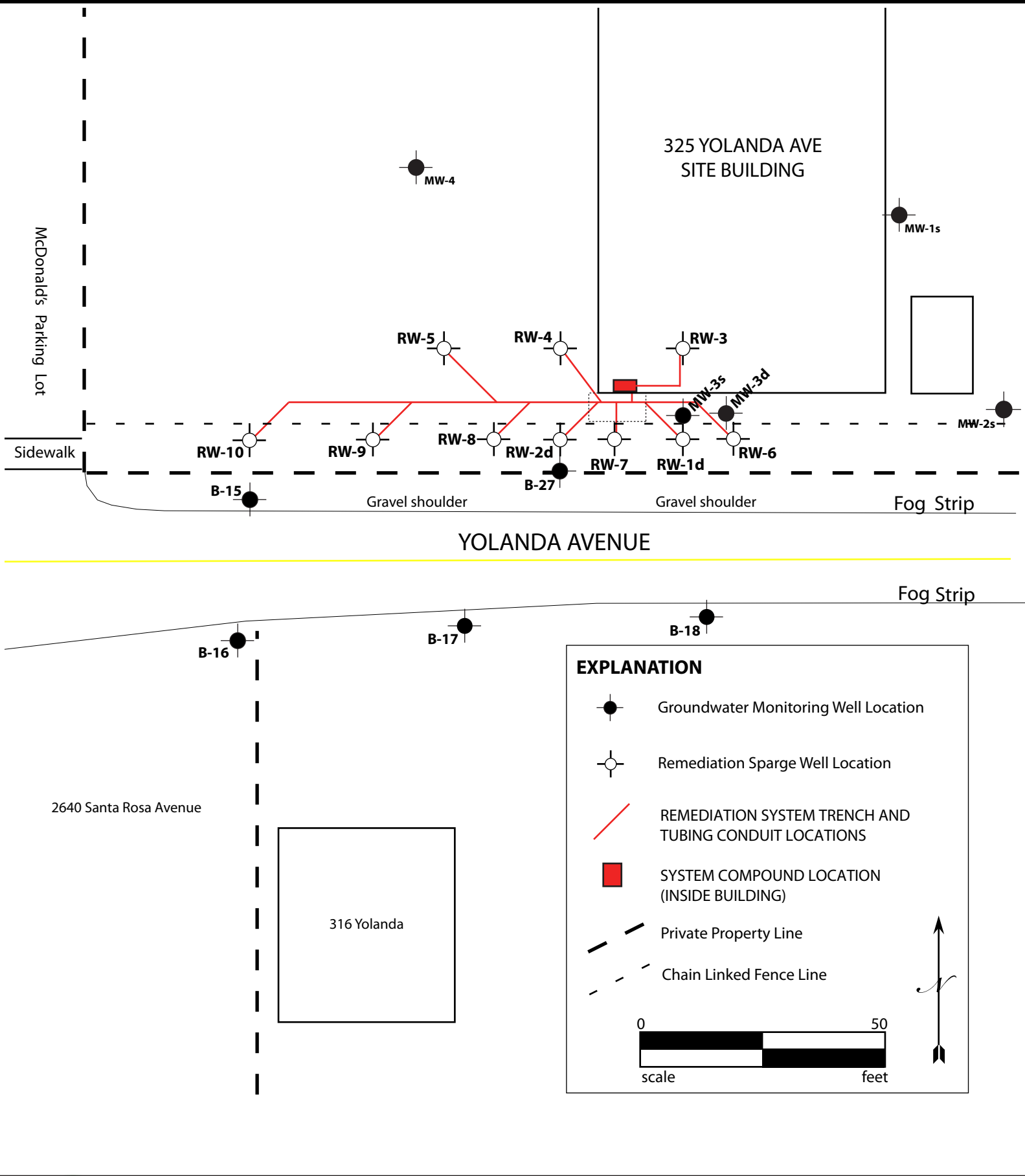


**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: JUNE 2017

**SITE LOCATION MAP**  
**REPORT: WELL ABANDONMENT FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
1



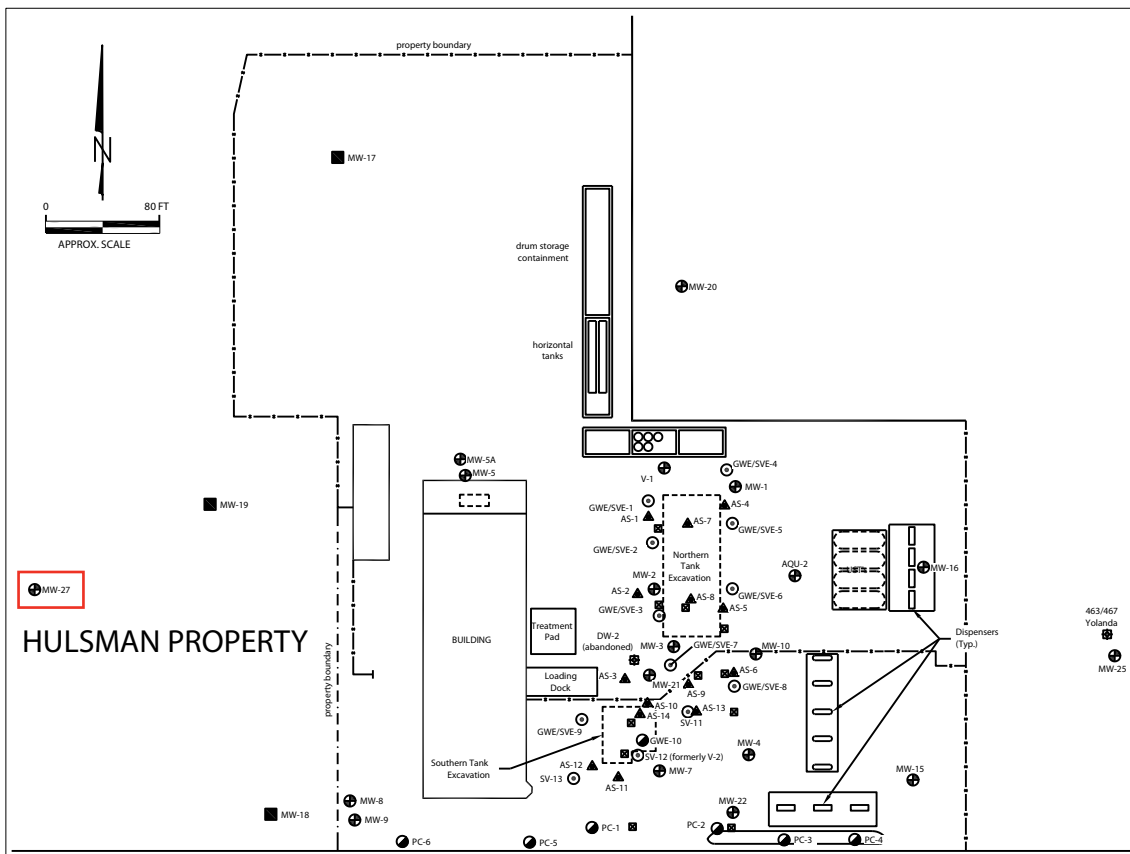
**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: JUNE 2017

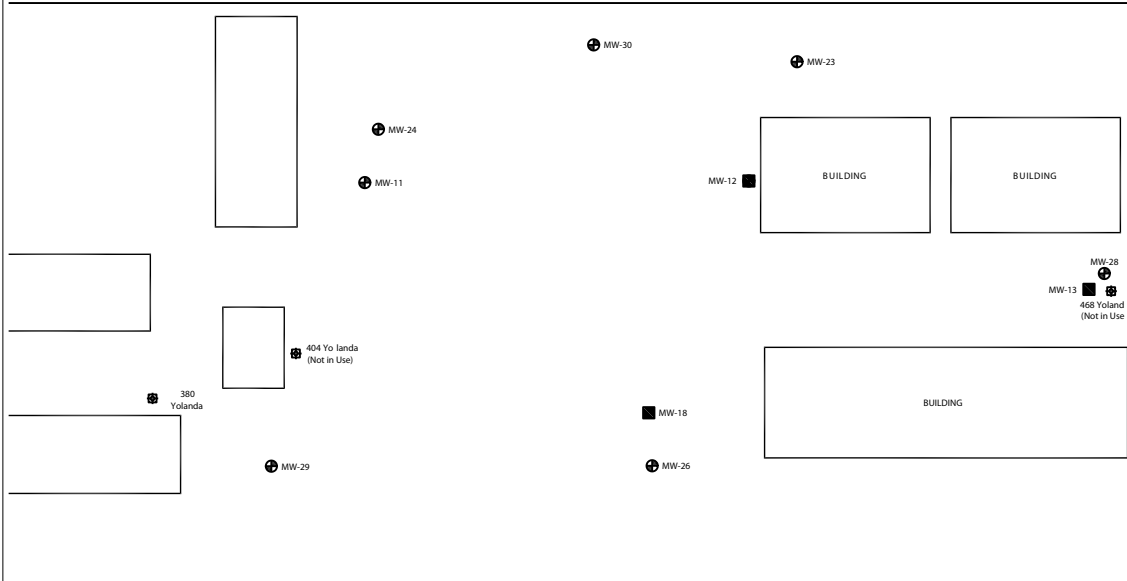
**SITE AND WELL LOCATION MAP**  
**REPORT: WELL ABANDONMENT FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
2



**HULSMAN PROPERTY**

----- YOLANDA AVENUE -----



**LEGEND:**

|  |   |
|--|---|
|  | DOMESTIC WELL LOCATION                            |
|  | DESTROYED WELL LOCATION                           |
|  | MW-19   |
|  | MW-21   |
|  | MONITORING WELL LOCATION                          |
|  | GWE/SVE-13  |
|  | GROUND WATER/ SOIL VAPOR EXTRACTION WELL LOCATION |
|  | GROUND WATER EXTRACTION WELL LOCATION             |
|  | AIR SPARGE WELL LOCATION                          |
|  | JUNCTION VAULT LOCATION                           |

**FIGURE 2  
SITE MAP**

REDWOOD OIL BULK PLANT  
455 YOLANDA AVE  
SANTA ROSA, CALIFORNIA

|                            |                          |
|----------------------------|--------------------------|
| PROJECT NO.<br>Redwood Oil | DRAWN BY<br>M.L. 6/18/08 |
| FILE NO.<br>Site Map       | PREPARED BY<br>MAB       |
| REVISION NO.<br>1          | REVIEWED BY              |



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
JUNE 2017

**ONSITE WELL MW-27 LOCATION MAP**  
**REPORT: WELL ABANDONMENT FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
**3**

# EnviroPacific

P.O. Box 4618, San Luis Obispo, CA 93403, (707) 761-2306  
Field Services – Vacaville, CA  
GEC Lic. No. A-876019  
enviropacific@sbcglobal.net

## NON-HAZARDOUS SOIL DISPOSAL DOCUMENT

### GENERATOR

Name: Hulsman Transportation  
Address: P.O. Box 423, Santa Rosa, CA 95402  
Contact: David Bush Tel: (707) 528-0810

### SITE

Name: Hulsman Transportation  
Address: 325 Yolanda Ave., Santa Rosa, CA 95402  
Contact: David Bush Tel: (707) 528-0810

### CUSTOMER

Name: Environmental Geology Services  
Address: 6169 Amie Dr., Windsor, CA 95492


Contact: David Bush Tel: (707) 528-0810  
Proj. No.: 451.0711 P.O.: \_\_\_\_\_

### DESCRIPTION

Description of Soil: Soil Drill Cuttings  
Quantity: 10 Units: Drums

This non-hazardous soil consists of drill cuttings, soil sampling residues, excavation material, a combination thereof, or as described above. The described soil may contain hydrocarbons. I certify that the above named material has been properly described and classified according to applicable regulations and possesses no characteristics that would require its handling as a hazardous waste.

Generator/Authorized Agent: David L. Bush, Principal  
Print Name/Title

  
Sign

6/13/17  
Date

### TRANSPORTER

Name: EnviroPacific  
Address: P.O. Box 4618, San Luis Obispo, CA 93403  
Tel: (707) 761-2306 Proj. No.: 377

### DESIGNATED FACILITY

Name: Potrero Hills Landfill  
Address: 3675 Potrero Hills Ln., Suisun, CA 94585

This material will be disposed of at the above referenced facility in accordance with applicable federal, state and local regulations.

Driver:  WAND 6-13-17  
Sign Removal Date

Waste Tracking No: 3029

# EnviroPacific

P.O. Box 4618, San Luis Obispo, CA 93403, (707) 761-2306  
Field Services – Vacaville, CA  
GEC Lic. No. A-876019  
enviropacific@sbcglobal.net

## NON-HAZARDOUS WATER DISPOSAL DOCUMENT

| GENERATOR |  | SITE     |   |
|-----------|--|----------|---|
| Name:     | <u>Hulsman Transportation</u>                | Name:    | <u>Hulsman Transportation</u>                 |
| Address:  | <u>P.O. Box 423, Santa Rosa, CA 95402</u>    | Address: | <u>325 Yolanda Ave., Santa Rosa, CA 95402</u> |
| Contact:  | <u>David Bush</u> Tel: <u>(707) 528-0810</u> | Contact: | <u>David Bush</u> Tel: <u>(707) 528-0810</u>  |

| CUSTOMER |   |            |  |
|----------|---|------------|--|
| Name:    | <u>Environmental Geology Services</u>   | Contact:   | <u>David Bush</u> Tel: <u>(707) 528-0810</u> |
| Address: | <u>6169 Amie Dr., Windsor, CA 95492</u> | Proj. No.: | <u>451.0711</u> P.O.: _____                  |

### DESCRIPTION

Description of Water: Auger rinse water


Quantity: 1      Units: Drum

This non-hazardous waste water is purged groundwater, auger rinse water, sampling equipment rinse water, a combination thereof, or as described above. The described water may contain hydrocarbons. I certify that the above named material has been properly described and classified according to applicable regulations and possesses no characteristics that would require its handling as a hazardous waste.

Generator/Authorized Agent: David L. Bush, Principal            6/13/17  
Print Name/Title      Sign      Date

| TRANSPORTER  | DESIGNATED FACILITY                           |
|--|---|
| Name: <u>EnviroPacific</u>                               | Name: <u>EBMUD</u>                            |
| Address: <u>P.O. Box 4618, San Luis Obispo, CA 93403</u> | Address: <u>2020 Wake Avenue, Oakland, CA</u> |
| Tel: <u>(707) 761-2306</u> Proj. No.: <u>377</u>         |   |

This material will be disposed of at the above referenced facility in accordance with applicable federal, state and local regulations.

Driver:       6-13-17      Waste Tracking No: 1028  
Sign      Removal Date

## Notice of Proposed No Further Action

For

Hulsman Transportation Company  
325 Yolanda Avenue  
Santa Rosa, California

Case Number 1TSR050  
Sonoma County

**Notice Posting Date:** February 24, 2017

**End of Comment Period:** April 25, 2017

A soil and groundwater investigation was conducted at the above-referenced site and a release of petroleum hydrocarbons was documented. Although some contamination remains, this site meets the conditions for closure under the State Water Resources Control Board's "Low-Threat Underground Storage Tank Case Closure Policy." Regional Water Board staff proposes that no further work be required. The purpose of this notice is to inform interested parties, including owners of nearby land, that the case is being considered for closure, and to invite public comment on this proposed decision.

**Problem Description:** This site formerly contained three Underground Storage Tanks (USTs), two diesel USTs in the south-east portion of the site and one gasoline UST on the site's south central boundary adjacent to Yolanda Avenue. In the 1980s, the USTs and impacted soil surrounding the USTs were removed. Soil and groundwater at and around the site have been investigated. Monitoring shows that residual petroleum contamination in shallow groundwater exists next to and under Yolanda Avenue. Water supply wells identified near the site are not affected by the contamination.

**Proposed Action:** Case closure is proposed. This site meets the conditions for closure under the State Water Resources Control Board's "[Low-Threat Underground Storage Tank Case Closure Policy](#)."

Unless significant comments are received or new information is presented regarding this site, Regional Water Board staff plans to proceed with the closure process upon conclusion of the comment period. Please contact Jo Bentz at (707) 576-2838 or [Jo.Bentz@waterboards.ca.gov](mailto:Jo.Bentz@waterboards.ca.gov) with any questions or comments. Written comments may also be submitted to:

North Coast Regional Water Quality Control Board  
Attention: Jo Bentz  
5550 Skylane Blvd, Suite A  
Santa Rosa, CA 95403

Regional Water Board site records comprise both a paper file and an electronic file. Beginning in 2005, select file material was uploaded to the State Water Resources Control Board's GeoTracker website and is not necessarily included in the paper file. All new file material after 2014 is retained only electronically. The GeoTracker records are available at

[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609700572](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700572)

The paper file ("Hulsman Transportation", Case No. 1TSR050) may be reviewed at the North Coast Regional Water Quality Control Board office from 8:00 am to 5:00 pm Monday through Friday. Appointments are recommended and can be arranged by calling (707) 576-2220.



**E**NVIRONMENTAL  
**G**EOLGY  
**S**ERVICES

Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

**REPORT:**  
**LOW-THREAT CLOSURE SITE EVALUATION  
AND REQUEST FOR CASE CLOSURE**

**Hulsman Transportation**  
**325 Yolanda Avenue**  
**Santa Rosa, California**  
***NC-RWQCB Case No. 1TSR050***

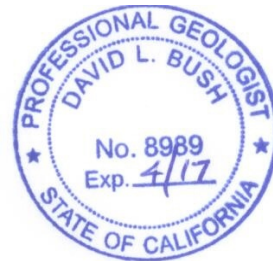
Prepared for:

Hulsman Transportation  
P.O. Box 423  
Santa Rosa, CA 95402

Prepared by:

**Environmental Geology Services**  
**6169 Amie Drive**  
**Windsor, CA 95492**

David L. Bush, PG 8989  
Principal Geologist



**December 27, 2016**  
Project #451.0711

**TABLE OF CONTENTS**

Introduction..... -1-

SITE CONCEPTUAL MODEL..... -2-

Background..... -2-

    Site and Vicinity Description..... -2-

    UST (Source) Removals..... -3-

    Previous Environmental Reports..... -3-

    Previous Investigations..... -5-

    Groundwater Monitoring..... -8-

    Previous Corrective Action Plans..... -8-

Regional and Site Geology / Hydrogeology..... -11-

    Geologic and Hydrogeologic Setting..... -11-

    Local Geology and Cross-Sections..... -12-

    Transmissivity..... -13-

    Depth to Groundwater..... -14-

    Groundwater Gradient..... -14-

Contaminants of Concern (CoC's)..... -15-

Extent of Residual Contamination Impacts..... -16-

    Soil..... -16-

    Groundwater..... -16-

    Historic Concentration Trends..... -18-

Estimate of Remaining Contaminant Mass..... -18-

Risk Assessment..... -20-

    Chemical Identification..... -20-

    CoC Cleanup Goals..... -21-

    Light Non-Aqueous Phase Hydrocarbons (LNAPL's)..... -21-

    Potential Exposure Pathways..... -22-

    Sensitive Receptors..... -23-

Conclusions..... -26-



|  |      |
|--|------|
| <u>SITE SPECIFIC LOW-THREAT CLOSURE EVALUATION</u> . . . . . | -29- |
| Request for Case Closure. . . . .                            | -29- |
| General Criteria Requirements. . . . .                       | -29- |
| Media-Specific Criteria. . . . .                             | -31- |
| Groundwater. . . . .   | -31- |
| Vapor Intrusion to Indoor Air. . . . .                       | -34- |
| Direct Contact and Outdoor Air Exposure. . . . .             | -35- |
| Conclusions and Recommendations. . . . .                     | -36- |

Appendix A:

|           |   |
|-----------|---|
| Plate 1:  | Site Location Map   |
| Plate 2:  | Assessor Parcel Map   |
| Plate 3:  | Site Map with Former UST Locations                              |
| Plate 4:  | Site Map with Exploratory Locations                             |
| Plate 5:  | Site Map with Traverse of Geologic Cross Sections A-A' and B-B' |
| Plate 6:  | Generalized Geologic Cross Section A-A'                         |
| Plate 7:  | Generalized Geologic Cross Section B-B'                         |
| Plate 8:  | 2015 Shallow Gradient Map                                       |
| Plate 9:  | TPH-G Contour with Radius of Impact (Mar 2015)                  |
| Plate 10: | AOSS Sparge Well Location Map                                   |
| Plate 11: | Soil Vapor Probe Location Map                                   |
| Plate 12: | 500-Foot Well Location Radius Map                               |
| Plate 13: | Site Conceptual Model   |

Appendix B: Analytical Soil and Groundwater Summary Data Tables

Appendix C: Historic Concentration Trend Charts 1 through 12

Appendix D: Boring Logs

Appendix E: DW-325 Analytical Laboratory and QA/QC Report dated Feb 29, 2016

Appendix F: ECON Report dated November 3, 2008 (MW-1 and MW-2 destruct)

Distribution via e-mailed PDF:

Ms. Jo Bentz, NC-RWQCB, [jbentz@waterboards.ca.gov](mailto:jbentz@waterboards.ca.gov)

Mr. Jim Hulsman, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)

Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)

Uploaded to State Geotracker Database

## **INTRODUCTION**

This revised Site Evaluation for Case Closure Report (Report) has been prepared by Environmental Geology Services (EGS) for Hulsman Transportation, Mr. Jim Hulsman and Mr. Paul Hulsman, Client and Responsible Party (RP) for the site located at 325 Yolanda Avenue, Santa Rosa, CA (Plate 1, Site Location Map).

This Report has also been prepared in response to the directives of the North Coast Regional Water Quality Control Board (NC-RWQCB) in accordance with their letters dated October 5, 2015 and May 13, 2016.

This Report revises our initial Low-threat Closure Policy (LTCP) Site Evaluation dated March 3, 2016, and includes an update to the site specific Site Conceptual Model (SCM), initially submitted in our June 2012 FSCAP. The SCM includes a comprehensive site history and background, regional and local geology and hydrology, discusses the extent of residual contaminant impacts and presents an estimate of remaining contaminant mass, and contains a risk assessment that includes sensitive receptors and potential exposure pathways.

This Report presents the tabulated historic site soil and groundwater data and well construction details and boring logs, presents historic concentration trends that display decreasing long term trends, provides historic groundwater gradient information, residual contaminant plume definition, discusses the co-mingling plumes between the subject site and adjacent site, and discusses current and future site and surrounding area use.

Finally, this Report compares the subject property's UST Investigation with the general criteria included in the State of California's Low-Threat Closure Policy (LTCP), as adopted in August 2012.

This Report has been submitted on behalf of Hulsman Transportation with the goal of achieving case closure for this site in accordance with the State's LTCP, in response to the NC-RWQCB October 5, 2015 letter, and incorporates comments made by the NC-RWQCB in their letter dated May 13, 2016.

The site specific Site Conceptual Model is presented in the following sections of this Report, followed by the Site LTCP Evaluation and formalized request for case closure.

## **SITE CONCEPTUAL MODEL**

### **BACKGROUND**

#### **Site and Vicinity Description**

The site is located on the north side of Yolanda Avenue, approximately 300 feet east of Santa Rosa Avenue in the southern portion of Santa Rosa, California (Plate 1, Site Location Map, Appendix A). The site has been owned by the Hulsman family since the 1940's, and has been operated by Hulsman Transportation (RP) since that time through the 2010's. The property consists of Sonoma County APN 044-071-002, which totals 5.46 +/- acres (Plate 2, APN Map). The primary building was constructed on the property in approximately 1947 (Plate 2, Site Map).

The subject property is zoned as CG (General Commercial) by the City of Santa Rosa, and has been nearly developed by both The Home Depot and Lowe's stores over the past 10 years, and is currently being considered for future commercial development. The site is located in an area of Santa Rosa that is mixed use commercial and light industrial, however, there are a few intermixed residences as well.

The primary historic site use has been a transportation company (Hulsman Transportation) for over road trucking and transport of goods. The site includes a loading dock and storage and parking areas, as well as storage buildings and the like. The property had been in use as a trucking company since the 1940's and through the 2010's. Since Hulsman Transportation discontinued use of the property for their own business, the Hulsman family has leased portions of the property for various uses primarily for construction company storage of equipment and staging areas for development and infrastructure improvement projects in the Santa Rosa area.

Of significance to area wide contamination are the following sites that have current investigations related to leaking USTs or other contamination (e.g., solvents):

- Redwood Oil #141 (Bulk Plant) - 455 Yolanda Ave, located east of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR261).
- Malm Fireplaces, Inc. - 368 Yolanda Ave, located south of the site. Solvent Investigation (NC-RWQCB Case No. 1NSR354).

- Malm Metal, Yolanda Gas Spill - 2640 Santa Rosa Ave, located southwest of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR256).

In addition to the above stated active investigations, there are numerous investigations that have received case closure in the surrounding area including the following:

- Michael's Auto (McDonald's) - 2642 Santa Rosa Ave, located west of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR256).
- Auto Life Center - 2698A Santa Rosa Ave, located south of the site. Solvent Investigation (NC-RWQCB Case No. 1NSR256).
- Private Residence- 463 Yolanda Ave, located east of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR052).
- Hepper Spill - 2775 Santa Rosa Ave, located northwest of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR099).

### UST Removals

- ▶ 500-gallon gasoline UST (*PRIMARY SOURCE*), removed in 1982 (current investigation focus, Plates 3-5)
- ▶ 4,000-gallon and 8,000-gallon diesel UST's, removed in 1988 (Plates 3-5)
- ▶ 180 cubic yards of soil from diesel UST area and 175 cubic yards of soil from gasoline UST area (*SECONDARY SOURCE*) over-excavated in the area of former UST's (1988 and 1991, respectively)

### Previous Environmental Reports

There have been numerous soil borings advanced and monitoring wells installed on the subject site. The results of which indicate that the residual contamination is limited to the south-southwest limits of the subject site, and has very slowly migrated in a southwestern direction beneath Yolanda Avenue.

Based on our review of the subject site, the following reports document activities that been completed to characterize residual contamination at the site to date:

- Kleinfelder, *UST Removal and Sampling Report*, October 13, 1988.
- Herzog & Associates, *Report: Underground Tank Investigation*, February 27, 1989.
- Herzog & Associates, *Quarterly Groundwater Monitoring Reports*, 1989.
- Hilmer Consulting, Inc., *Report: Preliminary Environmental Assessment*, July 16, 1990.
- Sierra Environmental Sciences, *Report: Soil Remediation and Monitoring Well Installation*, June 8, 1992.
- Edd Clark & Associates, Inc., *Report: Soil and Groundwater Investigation*, November 2, 1998.
- Edd Clark & Associates, Inc., *Remedial Investigation*, August 2001.
- ECON, *Summary Report: Monitoring Well Installation and Groundwater Monitoring*, November 25, 2001.
- ECON, *Corrective Action Plan*, April 2, 2004.
- ECON, *Revised Corrective Action Plan*, August 16, 2004.
- ECON, *Summary Report: Groundwater Investigation and Well Installation*, March 14, 2005.
- ECON, *Corrective Action Plan*, April 3, 2008.
- ECON, *Summary of Well Destruction Activities (MW-1 and MW-2)*, November 3, 2008.
- ECON, groundwater monitoring reports documenting the November 2004, February 2005, November 2007, and March 2010 sampling events.
- EGS, *Corrective Action Plan*, June 26, 2012.
- EGS, *Bench Test Report*, April 23, 2013.

- EGS, *Installation Report: Air Operated Air Sparging System (AOSS)*, June 26, 2014.
- EGS, groundwater monitoring reports documenting the October 2011, March and October 2012, March, June, and September 2014, and Mar/Apr 2015 sampling events.
- EGS, *Soil Vapor Investigation and Sensitive Receptor Survey*, November 25, 2016.

A summary of analytical results for historic soil and groundwater samples collected at this site may be found attached to this Report as Tables 1 through 7 (Appendix B). These tables will be referred to throughout this Report.

### Previous Investigations

The current UST investigation of residual soil and groundwater contamination at this site is related to a former 500-gallon underground storage tank (UST) containing older, leaded gasoline which was removed from the site in September 1982 (Sierra, 1992). According to the property owner, the former 500-gallon UST was approximately 40-50 years old. There was no soil excavated during the time of the UST removal in 1982, and no follow-up soil and groundwater investigation at that time.

On October 4, 1988 two (2) UST's, one 4,000-gallon and one 8,000-gallon containing diesel fuel, were removed from the site under the direction of Kleinfelder (Kleinfelder, 1988). Confirmation soil sidewall samples were collected which initially indicated residual diesel fuel contamination (SN-1, SM-1B, SM-1A, SS-1, Table 6). However, upon receipt of the initial sidewall analytical results, additional soil was removed and additional confirmation sidewall samples were collected which indicated no detections of residual diesel fuel (SM-1b-1 16", SM-1a-1 16", SS-1-1 14", Table 6).

On November 29, 1988, Herzog installed monitoring well MW-1 (Plate 4) to a depth of 46.5 feet bgs, with a screen from 24-46.5 feet bgs (Table 8). Soil samples were collected from MW-1 at a depth of 15 feet bgs resulting in no detections for compounds analyzed (Table 6). On December 7, 1988, April 14, 1989, July 14, 1989, and October 25, 1989 groundwater samples were collected from MW-1 with no detections of TPH-D/MO or BTEX compounds (Table 5).

On April 27, 1990, Hilmer Consulting installed MW-2 near the former diesel UST's (Plate 4) with a screened interval from 25.3 feet bgs to 45.3 feet bgs (Table 8). Soil samples were collected from depths of 21 and 31 feet bgs resulting in no detections of compounds

analyzed for (Table 6). On June 8, 1990, groundwater samples were collected from MW-2 resulting in no detections of TPH-G or BTEX compounds.

On December 18, 1991, Sierra Environmental Sciences (Sierra) completed a limited over-excavation of approximately 175 cubic yards (CY) of soil (Sierra, 1992). Four (4) sidewall samples collected from 12 feet bgs, and one bottom sample collected from 23 feet bgs, were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G) and the compounds comprising BTEX (benzene, toluene, ethyl-benzene, and xylenes). There were no detections of compounds analyzed for in the soil samples collected from the sidewalls. There were detections of each analyte in the bottom soil sample as follows: TPH-G at a concentration of 15 mg/kg (or parts per million, ppm), benzene at 0.070 ppm, toluene at 0.23 ppm, ethyl-benzene at 0.084 ppm, and xylene at 0.36 ppm (Sierra, 1992; Table 6, Appendix B). The excavation was lined and backfilled with pea gravel.

Sierra installed MW-3 (Plate 4) located adjacent to the east of the UST excavation on January 27, 1992 to a depth of 39.5 feet bgs<sup>1</sup>, with a screen interval from 22 feet bgs to 39.5 feet bgs (Table 8). As stated in the conclusions of Sierra's January 27, 1992 report, "Hydrocarbons as gasoline are present in the saturated soil samples and groundwater in the area below the former [UST]. Unsaturated soil samples analyzed from boring MW-3 did not contain hydrocarbons as gasoline." On January 30, 1992, Sierra collected groundwater samples from MW-3 which resulted in detections of TPH-G at a concentration of 13,000 ug/L (or parts per billion, ppb), benzene at 2,200 ppb, toluene at 200 ppb, ethyl-benzene at 650 ppb, and xylene at 1,100 ppb.

In 1998, Edd Clark & Associates (ECA) implemented a soil and groundwater investigation on the subject site by advancing four (4) soil borings (HB-1, HB-2, HB-3, HB-4, Plate 4) to depths of twenty (20) feet bgs. There were no detections of TPH-G, BTEX compounds, or MTBE (methyl tert-Butyl ether) in the soil samples collected from the "HB" borings (ECA, 1998; Table 7, Appendix B). There were detections of TPH-G and BTEX compounds in the grab groundwater sample collected from boring HB-1 as follows, and as listed in Table 4 (Appendix B): TPH-G at a concentration of 6,400 ppb, benzene at 1,800 ppb, toluene at 22 ppb, ethyl-benzene at 300 ppb, and xylene at 43 ppb. With the exception of a very low detection of benzene at a concentration of 1.1 ppb in HB-2, there were no detections of TPH-G or BTEX compounds in borings HB-2, HB-3, and HB-4 (Table 4). There were also no detections of MTBE in any of the groundwater samples collected from the "HB" soil borings in 1998 (ECA, 1998).

---

1

This screen interval extended from the base of the shallow aquifer through the clayey aquitard and into the deeper aquifer in the area of the former 500-gallon UST (Plates 6 and 7).

In April 2001, ECON advanced two (2) additional soil borings (EB-1 and EB-2, Plate 4) to depths of approximately 20 feet bgs in the northwest direction from HB-1 and the former UST. Additionally, ECON installed monitoring well MW-4 adjacent to EB-1. Grab groundwater samples were collected from EB-1 and EB-2. There were no detections of compounds analyzed for including TPH-G, BTEX, and MTBE in groundwater samples collected from EB-1 (Table 4, Appendix B). With the exception of TPH-G detected at a concentration of 67.7 ppb, there were no detections of these compounds in EB-2 (Table 4). Soil and groundwater samples were collected at the time of MW-4 installation which resulted in no detections of compounds analyzed for (Tables 4 and 7, Appendix B).

On September 26, 2001, ECON completed a groundwater monitoring event of original site wells MW-1, MW-2, MW-3, as well as newly installed MW-4. Groundwater samples collected from MW-1, MW-2 (former diesel UST area) and MW-4 resulted in no detections of TPH-G, BTEX, and MTBE. However, TPH-G, BTEX, and MTBE were detected in MW-3 at concentrations of 3,000 ppb, 770 ppb, and 37 ppb, respectively.

ECON reported a northeast gradient during this sampling event. However, based on our review of the soil borings logs, it appears that with the exception of MW-4, the original wells (MW-1, MW-2, and MW-3) were installed in the second underlying aquifer at this site (greater than 35 feet bgs). Therefore, it is our opinion that the resulting northeast gradient direction was calculated using separate aquifers, and therefore not an accurate representation of the underlying, shallow seasonal aquifer.

In November 2004, ECON installed the existing groundwater monitoring wells MW-1s, MW-2s, MW-3s, and MW-3d at the subject site (Plate 4), which have since been sampled as part of ongoing groundwater monitoring. ECON also abandoned original well MW-3, and attempted to abandon original wells MW-1 and MW-2, but was unable to locate the wells. However, in November 2008, ECON was successful in locating original monitoring wells MW-1 and MW-2, and destructed these well under Sonoma County permit. A copy of ECON's MW-1 and MW-2 destruction report dated November 3, 2008 is attached to this report for reference Appendix F. ECON completed groundwater monitoring events in 2004, 2007 and 2010, and also completed a Corrective Action Plan (CAP) in 2008.

EGS was retained by the RP in 2011 to continue the UST investigation. EGS has completed groundwater monitoring of the site, completed and implemented a CAP using an Air Operated Sparge System (AOSS), and has further characterized the site including a Soil Vapor Investigation and Sensitive Receptor Survey (November 2016).

In August 2016, EGS contracted with NorCal Geophysical in an attempt to locate original monitoring wells MW-1 and MW-2, as well as missing well B-18. MW-1 and MW-2 were



located near the former diesel UST's. However, based on the observed very poor integrity of MW-1 and MW-2, it appeared that these wells had been abandoned. After reviewing additional site files, EGS located ECON's November 3, 2008 Well Destruction report (Appendix F) which confirms that MW-1 and MW-2 had been abandoned. During well future well destruction, EGS will direct the driller to attempt to destruct B-18, if this well is located beneath the asphalt along Yolanda Avenue.

### **Groundwater Monitoring**

Groundwater at the site was infrequently monitored since the time of the UST removal in 1982. Original monitoring wells MW-1, MW-2 and MW-3 were sampled and results are presented in Table 5 attached of this report. ECON completed groundwater monitoring events of the current wells in November 2004, February 2005, November 2007, and March 2010 (Tables 1 through 4, Appendix B).

EGS was retained by Hulsman Transportation in July 2011. EGS has completed groundwater monitoring events in October 2011, March and October 2012, March, June, and September 2014, and Mar/Apr 2015. As part of EGS' groundwater monitoring, wells that had been associated with the adjacent Malm Metal UST Investigation (B-15, B-16, B-17, and B-27) have been incorporated into the Hulsman Transportation investigation based on the requirements of the NC-RWQCB (letter dated August 26, 2010).

EGS had planned to abandon monitoring well B-15 since it appeared to be destroyed. However, on April 13, 2012, EGS located the well casing, which had been capped. The Christy box was destroyed, but the well seal remained intact, and the well casing was not damaged. Therefore, EGS replaced the Christy box and the well is again functional and will be incorporated into the ongoing monitoring.

In August 2016, EGS located the possible area for well B-18. The missing well B-18 appears to presently be located beneath the asphalt roadway along Yolanda Avenue. EGS will remove the overlying asphalt in the suspected area to determine if B-18 remains present for sampling.

### **Previous Corrective Action Plans**

ECON prepared the Corrective Action Plan dated April 2, 2004, with a revision dated August 16, 2004. Additionally, ECON prepared a separate Corrective Action Plan dated April 3, 2008.

The ECON CAP's were not accepted by the NC-RWQCB for a variety of reasons, and the letter dated August 26, 2010 submitted by the NC-RWQCB requested the Hulsman to prepare and submit an acceptable CAP for the site.

EGS completed the Corrective Action Plan dated June 26, 2012 that included a recommendation to implement an air sparging remedial system at the site. The CAP was approved by the NC-RWQCB in their July 2, 2013 letter.

### **Corrective Action**

In 2013, EGS began implementing remedial action at this site. A Bench Test was completed to evaluate the effectiveness of air or ozone sparging at the subject site, as documented in our April 23, 2013 Report. In December 2013, EGS installed ten (10) sparge wells, two deeper sparge wells in the second groundwater aquifer (RW-1d and RW-2d, Plate 10), and eight (8) sparge wells in the shallow groundwater aquifer (RW-3 through RW-10, Plate 10). Construction details of the sparge wells are included in Appendix D.

The following procedures were conducted during the AOSS system construction and start-up, as documented in our June 26, 2014 AOSS Installation Report:

- *March 11, 2014:* EGS receives the City of Santa Rosa Encroachment Permit Number EP14-0024 dated March 11, 2014.
- *March 12, 2014:* EGS completes the coordinated monitoring effort to establish baseline concentrations of contaminants of concern as well as additional compounds.
- *March 19, 2014:* EGS met with EnviroPacific on site to conduct the Pilot Study.
- *April 2-7, 2014:* EGS met with EnviroPacific, our subcontracted installation and electrical contractor, on site to make final trench location delineations for the air delivery tubing trenches. EnviroPacific completes delivery tubing trenches and conduits, installs well heads and connects delivery tubing to location inside of southwest corner of building. Asphalt was cut where needed, and soils were excavated using a 10 hp D-W 1330 trencher in the locations presented on Plate 5. The trenches are approximately six (6) inches wide and are as deep as eighteen (18) inches. Upon removal of the soils from the trenches, a one-inch diameter conduit was installed. A dedicated conduit for each air sparge point was installed that contains the delivery tubing. After the conduits were in place, the trenches were backfilled using the excavated soils, and compacted. The delivery tubing was

fed through each dedicated conduit line, and connected to each sparge well head and tightened. The delivery lines connected each of the sparge wells to the AOSS (described in a following section) control panel. The air delivery lines were installed splice (joint) free to minimize the potential for leakage. Upon installation of each delivery tube, the lines and well head were pressure tested. With the exception RW-10, each sparge well had no leaks detected during the initial pressure testing. A leak was detected adjacent to the well casing in RW-10 and repaired prior to system start-up.

- *April 10, 2014:* EGS installs protective barrier along Yolanda Avenue to protect sparge well integrity from traffic, in accordance with City of Santa Rosa Encroachment Permit.
- *April 26-27, 2014:* EGS met with EnviroPacific to provide access to building for AOSS installation. EnviroPacific constructed a 2x2 ft delivery tubing containment box outside of the building to protect the tubing before it enters the building to be connected to the AOSS control panel. EnviroPacific completed the installation and initial test runs.
- *April 28, 2014:* EGS completed the initial system test by operating the system through each sparge well for one minute durations to records initial breakthrough pressures, line pressures and flow rates, as well as checking for leaks.
- *April 29, 2014:* EGS completes second system test and leak detection.
- *April 30, 2014:* EGS verifies with Mr. Craig Hunt, NC-RWQCB, that the NC-RWQCB is not needed to be present on site for system start-up and authorizes EGS to proceed. Therefore, EGS sets the system to cycle through each well for longer durations of 5 minutes as a final system test prior to AOSS system start-up. However, the AOSS system shut down after approximately 20 minutes of continuous operation. EGS consulted with EnviroPacific who targeted the contactor as drawing to many amps and overheating the system programmable timer. Therefore, EGS replaced the contactor and the system worked properly.
- *May 1, 2014:* AOSS START-UP - EGS completes final field test by programming the system to cycle through each shallow well over a 40 minute duration, as well as RW-2d for 15 minutes. System operated without issue, and small leaks were repaired. Finally, EGS programed the system to operate for 2 cycles per day. Since the deeper aquifer is confined, and air pressure during the pilot study caused significant mounding and pressure build up, EGS adjusted the deeper sparge wells

to operate at a reduced duration as compared to the shallow wells. The deeper sparge well RW-1d was programmed to operate on odd days for 30 minutes per cycle (60 min/day), and RW-2d was programmed to operate on even days for 30 minutes per cycle (60 min/day). The shallow sparge wells were programmed to operate daily for 85 minutes per cycle (170 min/day). Each of the two daily cycles are 12 hour duration with a 10 minute lag time between cycles to allow the compressor to cool.

- *May 9, May 16, May 27, June 6, and June 24, 2014:* EGS makes brief field inspections to verify system operation and check for leaks or other malfunctions, with none observed.
- *June 12, 2014:* EGS completes First Quarterly Groundwater Monitoring.
- *June 24, 2014:* Based on analytical results, EGS completes adjustment to the programmed cycle times. The operating duration of sparge wells RW-7 and RW-8 were each increased from 85 min/cycle to 100 min.

EGS operated the AOSS with successful results indicating a significant decrease in residual petroleum hydrocarbons in all wells. After approximately 6 months of AOSS operation, EGS requested the NC-RWQCB consider turning the AOSS off and complete a rebound groundwater monitoring event. This was completed and documented in our May 6, 2015 Report. Concentrations of residual petroleum hydrocarbons did rebound, although concentrations of benzene and MTBE remained well below the LTCP criteria. Therefore, EGS recommended that the NC-RWQCB consider case closure by LTCP since detections of benzene and MTBE were well below the LTCP criteria.

## **REGIONAL AND SITE GEOLOGY / HYDROGEOLOGY**

### **Geologic and Hydrogeologic Setting**

The site topography is generally flat with a very gentle slope to the west. The nearest surface water body is Colgan Creek, which flows from east to west toward the Laguna de Santa Rosa, located approximately 2400 feet to the northeast (upgradient from the site), and also approximately 2600 feet to the west of the site.

The site is located near the southern limits of the City of Santa Rosa, which is located within the Santa Rosa Plain, a northwest trending structure. The GPS location of the former 500-gallon UST at the site is 38° 24' 47.88" N, 122° 42' 42.73" W at an elevation of 145 ft above M.S.L.

A series of northwest trending hills, locally as high as approximately 2000 ft M.S.L., are located adjacent to the east of the Santa Rosa Plain. These hills, a part of the Coast Range Province, are predominantly Cretaceous age Franciscan assemblage rocks and Sonoma Volcanics. Approximately 5.5 miles to the east from the site is the Rogers Creek Fault, an active fault zone part of the larger San Andreas Fault system.

The site is located on an alluvial plain that has been filled by the erosion of the hills to the east. The site area is mapped as being underlain by Holocene age Alluvium deposits consisting of non-indurated (non-cemented) fine grained sands, silts, and clays with locally coarser grained gravels. This Alluvium beneath the site area is likely underlain by the Sonoma Volcanics and Franciscan complex bedrock at depth.

The depositional environment of the alluvium would include a series of over bank flood deposits, down cutting and subsequent filling. In this kind of depositional environment, abrupt facies changes both laterally and vertically can be expected. The heterogeneity of the alluvium can result in variations in the depth to near surface unconfined seasonal aquifer and local variations in hydraulic conductivity.

A review of USGS-Water Supply Paper 1495, by F. Kunkel and J. E. Upson, (“Geology and Ground Water of the Napa and Sonoma Valleys, Napa and Sonoma Counties, California”) indicates that the (deeper) Alluvium, which underlies the site area is an important water-bearing formation in the region because of its extent, high porosity and moderate transmissibility.

Groundwater contour mapping by Kunkel and Upson shows that the depth to productive water-bearing zones in the general area is shallow (30 to 50 ft) and that the regional groundwater gradient is to the west. The heterogeneity of the alluvium can result in differences in groundwater gradient depending on the location, seasonal inflow from the hills to the east, and recharge from precipitation and nearby creeks. More site-specific information, based on subsurface exploration, is presented in following sections.

### **Local Geology and Cross-Sections**

We prepared two generalized geologic cross sections through the area of investigation as indicated on Plate 5. Both of these sections (A-A', Plate 6 and B-B', Plate 7) show that subsurface alluvium is heterogeneous with both vertical and lateral facies changes resulting from deposition and erosion of fluvial deposits of clays, silts, sands and gravels. There is a wide range of alluvial soil types varying from moderately expansive silty clay to clayey gravel to sandy gravel. Most of the materials encountered are somewhat dense, and those with significant clay and silt fractions do not produce free water readily.

The upper most soils consist of silty clay with fine grained sand and intermixed granular material, is typically dry-damp, and extends to a general depth ranging from as shallow as 5-feet bgs (MW-3s, MW-3d, HB-3, Plate 6) to as deep as 15-feet bgs (B-36D, B-29 on the adjacent site and B-27, Plates 6 and 7). This unit is underlain by the unconfined shallow groundwater aquifer<sup>2</sup> that contains residual petroleum hydrocarbon contamination. The shallow groundwater bearing unit varies in thickness laterally, from as thick as 20-feet to as thin as 8-feet, with the base of the aquifer located from 22 to 25-feet bgs. The shallow groundwater aquifer consists mainly of sandy gravel to clayey gravel, but grades to silty sand to the southwest (Plate 6).

Separating the shallow aquifer from the deeper aquifer is a lower transmissive aquitard containing silts and clays. The aquitard varies in thickness, but is generally encountered at a depth of approximately 24-feet bgs and extends to a depth of approximately 33-feet bgs (Plates and 7). The deeper groundwater aquifer<sup>3</sup> is generally located at a depth of 33 to 34-feet bgs. The deeper groundwater bearing unit is finer grained than the shallow aquifer, consisting of gravelly and silty sands with clay.

### **Transmissivity**

We reviewed the subsurface boring logs describing soil types and densities completed by multiple consultants related to the subject site and the adjacent site located at 2640 Santa Rosa Avenue (Malm Metal). From this review we estimate that the upper, surficial soils have a medium permeability with a low to medium transmissivity. The shallow groundwater aquifer, although it contains fine grained material (clay and silt), is relatively granular.

EGS estimates the permeability of this unit to be higher, with a medium to high transmissivity. The clayey aquitard separating the shallow and deeper groundwater aquifers is fine grained and stiff. Although porosity may be high in this unit, its transmissivity is estimated to be very low. The deeper aquifer also consists of granular material that likely has higher permeability with medium to high transmissivity.

---

2

This unit has been referred to as the "A-sand" by other consultants. EGS will refer to this unit as the shallow aquifer for purposes of this investigation, but it should be noted that "A-sand" may be used interchangeably for this aquifer.

3

This unit has been referred to as the "B-sand" by other consultants. EGS will refer to this unit as the deeper aquifer for purposes of this investigation, but it should be noted that "B-sand" may be used interchangeably for this aquifer.

### **Depth to Groundwater**

Our review of boring logs and monitoring well logs (Appendix D) indicate that groundwater beneath the project site and offsite area to the east to southwest varied from 5 to 18 feet during the time of drilling. During the most recent monitoring event conducted in March/April 2015, it was determined that stabilized depth to groundwater (DTW) beneath the subject site ranged from 6.68 ft bgs (B-27) to 10.99 ft bgs (MW-2s).

Depth to water appears to become shallower to the southwest toward the adjacent site. EGS included the 2012 (pre-drought) DTW measurements and static potentiometric surface on the attached geologic cross sections (Plates 6 and 7). The historic DTW measurements are also included on Tables 1 through 4 attached to this report.

### **Groundwater Gradient**

The historical groundwater gradient appears to be in general southeast to southwest direction, although it varies significantly, and historically has been to the north-northwest in the area of the subject site and the site to the southwest (2640 Santa Rosa Avenue). ECON reported a northeast gradient during their September 26, 2001 sampling event. Additionally, Levine-Fricke (previous Malm Metal consultant) reported an east-northeast gradient during groundwater monitoring events completed during the 1980's to early 1990's.

Based on our review of the monitoring well soil boring logs (Appendix D), it appears that with the exception of MW-4, original on site wells MW-1, MW-2, and MW-3 (Plate 4) were installed into the second underlying aquifer at this site (Plate 6), and original monitoring well MW-3's well screen extended across both the shallow and deeper aquifers (Plate 6). Therefore, it is our opinion that the resulting September 2001 northeast gradient direction was calculated using both aquifers, and therefore not an accurate representation of the shallow groundwater gradient beneath the subject site.

Based on our review of historic groundwater gradient information related to the adjacent site at 2640 Santa Rosa Avenue (Malm Metal), the groundwater gradient was initially measured as being to the east-northeast at that site as well as indicated in a NC-RWQCB inter-office communication document dated August 17, 1990 to S.A. Warner from D.L. Salisbury (available upon request) and based on site data produced by Levine-Fricke. This data was prior to implementation of groundwater extraction remediation at that site, after it was discovered that gasoline contamination, consistent with that of the Malm Metal site, had impacted a former nearby well at 316 Yolanda Avenue (well W-4, Plate 12).

As part of coordinated groundwater monitoring efforts completed by EGS and ECA, monitoring well data from the subject site and the adjacent site (2640 Santa Rosa Ave) was incorporated to determine the local groundwater gradient over the entire area for both sites and determined variable groundwater gradient results.

During the September 2014 coordinated event, EGS determined a variable shallow groundwater gradient that appeared to have a potentiometric high point around monitoring wells B-25, B-27 and B-28. Groundwater appears to flow away from these high points in a northeast to southwest direction, with B-28 being the high point.

Based on our review of historic monitoring reports prepared by ECON (subject site) and ECA (adjacent site) it appears that there is an ongoing hydraulic variability located between the sites in the area of B-28, which is also the general separation of the co-mingled residual contaminant plumes (Plate 9). Farther west of monitoring well B-28, the groundwater gradient becomes more uniformly to the southwest (although as previously stated, the gradient direction has fluctuated on that site and had been east-northeast during the 1980's and early 1990's).

However, from the historic gradient data and that of the September 2014 monitoring event, the wells to the east and north of monitoring well B-28 do not exhibit a clear indication of a southwest groundwater gradient, but a more variable gradient to the northeast to southeast.

EGS included the shallow groundwater gradient constructed from data in March/April 2015 which indicates a south-southeast groundwater gradient (Plate 8). The deeper groundwater gradient appears to be generally consistent to the southwest over time.

### **CONTAMINANTS OF CONCERN (COC'S)**

Due to the age of the former gasoline UST at this site (1940's), it is unlikely that this site is a source for the fuel oxygenate MTBE. The State Underground Storage Tank Cleanup Fund (USTCF) concurred with this understanding in their 5-year Review dated July 22, 2008.

There are infrequent, low detections of MTBE in groundwater samples at this site, and the source is likely derived from some off site location or from surface water runoff percolating this compound from automobiles along Yolanda Avenue. For purposes of this SCM and the UST Investigation, the contaminants of concern (CoC's) at this site, based on the site history of an older UST, are as follows:



- ▶ Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- ▶ BTEX compounds (benzene, toluene, ethyl-benzene, xylene)

## EXTENT OF RESIDUAL CONTAMINATION IMPACTS

### Soil

It is noteworthy that with the exception of soil samples resulting in low concentrations of BTEX compounds from the original monitoring well MW-3 soil boring (Table 6) all of the soil samples collected from this site during the historic subsurface exploration related to the gasoline UST have resulted in no detections of the subject site's CoC's (TPH-G and BTEX) to a depth of approximately 23 feet bgs (Table 7, Appendix B). The area of the site where there have been detections of CoC's in soil has been limited to the area of the former 500-gallon UST location from saturated soil samples collected from the excavation pit sample at 23 feet bgs (Sierra, 1992), from the boring for MW-3 (Sierra, 1992) and in the boring for MW-3s at 25.5 feet bgs (ECON, 2004). During the soil over-excavation adjacent to the former diesel UST's, TPH-D was initially detected, but upon removing additional soil final soil confirmation soil samples collected resulted in no detections of TPH-D (Table 6, Appendix B).

TPH-G - The highest concentration of TPH-G detected in soil was during Sierra Environmental's 1991 additional soil over-excavation. The soil sample was collected from the bottom of the excavation pit (23 feet bgs), and resulted in a concentration of TPH-G at 15 ppm (Table 6).

BTEX - The highest concentrations of BTEX compounds detected in soil was as follows: during the installation of original monitoring well MW-3 by Sierra Environmental, where benzene was detected at 1.6 ppm in the 31 ft sample; during the soil over-excavation near the former gasoline UST where toluene, ethylbenzene and xylenes were detected in the 23-foot soil sample at concentrations of 0.23 ppm, 0.58 ppm, and 0.67 ppm, respectively (Table 6, Appendix B).

### Groundwater

It is evident that remaining residual contamination primarily resides in the *shallow groundwater* at this site, and therefore the primary media of concern for this SCM.

TPH-G, shallow aquifer - The highest detection of TPH-G in groundwater collected from the on site monitoring wells to date for this site was from MW-3s during the November 2007 groundwater monitoring event performed by ECON, and resulted in a concentration

of 23,000 ppb (Table 1). However, the highest concentration of TPH-G likely related to this site to date is from monitoring well B-27 at a concentration of 67,000 ppb during the September 2001 sampling event performed by ECA (Table 4).

The most recently collected highest concentration of TPH-G detected at this site was from MW-3s at a concentration of 6300 ppb, resulting from groundwater samples collected by EGS in March 2015 (initial rebound sampling after discontinuing the AOSS). EGS prepared a residual concentration contour map for TPH-G presented as Plate 9 of this Report presenting the most recent analytical results from the March/April 2015 groundwater monitoring at the subject site. We have also included the shallow TPH-G data from the Malm Metal site from the September 2014 coordinated event, which is the most recent data for that site. The highest detections of TPH-G resulting from the Malm Metal site in September 2014 were from wells DPE-1 and B-30 at concentrations of 22,000 ppb and 10,000 ppb, respectively (Plate 9).

Monitoring well B-16, which separates the highest residual concentrations of TPH-G at the Hulsman Transportation site (MW-3s) from the highest residual concentration of residual TPH-G at the Malm Metal site (DPE-1) resulted in a concentration of 1800 ppb during the Mar/Apr 2015 monitoring event. This result, as well as previous analytical results from this well, continues to provide an indication of separate residual contaminant plumes in the upper shallow groundwater zone. Further, monitoring well B-28 related to the Malm Metal site which is the area of the hydraulic high point separating the two sites, continues to result in no detections of compounds analyzed for as of September 2014 (Plate 9).

TPH-G, deeper aquifer - The highest detection of TPH-G in deeper groundwater to date for this site is from the groundwater sample collected at MW-3d during the February 2005 groundwater monitoring event performed by ECON, and resulted in a concentration of 1,800 ppb. The most recent concentration of TPH-G in deeper groundwater collected by EGS from MW-3d during the Mar/Apr 2015 event was 200 ppb (Table 2).

BTEX, shallow aquifer - The highest concentrations of BTEX compounds detected in groundwater from the on site groundwater wells to date for this site are as follows:

|                 |                                       |
|-----------------|---------------------------------------|
| Benzene -       | 1,700 ppb from MW-3s (February 2005)  |
| Toluene -       | 290 ppb from MW-3s (February 2005)    |
| Ethyl-benzene - | 4,700 ppb from MW-3s (February 2005)  |
| Xylenes -       | 13,000 ppb from MW-3s (February 2005) |

The current concentrations of BTEX compounds detected in groundwater from the recently sampled groundwater wells in March/April 2015 for this site are as follows:

|                 |                    |
|-----------------|--------------------|
| Benzene -       | 250 ppb from B-27  |
| Toluene -       | 16 ppb from MW-3s  |
| Ethyl-benzene - | 470 ppb from B-27  |
| Xylenes -       | 333 ppb from MW-3s |

BTEX, deeper aquifer - The highest concentrations of BTEX compounds detected in groundwater from the on site deeper groundwater well (MW-3d) to date for this site are as follows:

|                 |                         |
|-----------------|-------------------------|
| Benzene -       | 370 ppb (February 2005) |
| Toluene -       | 14 ppb (February 2005)  |
| Ethyl-benzene - | 40 ppb (February 2005)  |
| Xylenes -       | 8.8 ppb (November 2004) |

There were no detections of BTEX in MW-3d, based on the groundwater samples collected by EGS in March/April 2015.

### Historic Concentration Trends

EGS has constructed historic concentration trend charts for TPH-G and Benzene in monitoring wells MW-3s, MW-3d, B-15, B-16, B-17 and B-27. The site specific historic concentration trend charts are attached to this Report as Historic Concentration Trend Charts 1 through 12 in Appendix C.

Based on the analytical data collected at this site, the historic concentration trends for TPH-G and benzene continue to be *stable and decreasing* over the long term at this site in each well. This is an indication that residual contaminants are degrading over time by natural bioattenuation processes, and will continue to do so.

### ESTIMATE OF REMAINING CONTAMINANT MASS

This section presents two estimates of contaminant mass. The first contaminant mass estimate is based on the *highest concentrations* of TPH-G and Benzene historically detected at this site (67,000 ppb and 1,700 ppb, respectively) from 2001 through 2015. The second contaminant mass estimate is based on the *most recent concentrations* of TPH-G and Benzene detected in samples collected in March/April 2015 from monitoring wells MW-3s and B-27 (6,300 ppb and 250 ppb, respectively).

We estimate a generalized contaminant radius of approximately 75 feet in the area of the former 500-gallon UST to represent the residual "hot spot" at the site. The generalized

contaminant radius is based on the most recent analytical results from groundwater samples collected in March/April 2015. The current TPH-G concentration contour map, which includes the generalized contaminant radius, is presented on Plate 9 (concentrations of Benzene detected follows a similar contour).

The subsurface soils are composed mainly of silty and clayey sand and gravel aquifers with a separating layer (aquitar) of silty clay (Refer to the attached Geologic Cross-Sections, Plates 6 and 7). Silt and clay have soil porosities that range from 0.35 to 0.70, and sand and gravel may have porosities that range from 0.25 to 0.50. Therefore, based on the soil types being composed of an unconsolidated, inter-fingered mixture of these soil types, we assumed the soil porosity to be an average of approximately 0.40, or 40%. For the purposes of the following contaminant mass calculations, we assume that all the pore space is saturated, which provides the *most conservative* contaminant mass estimate.

We used a thickness of twenty-five (25) feet bgs which represents the maximum depth of the shallow groundwater aquifer, also a conservative assumption.

The estimates of contaminant mass for this site is presented as follows.

- ▶ The *highest* known contaminant mass estimate (based on 67,000 ppb detected in B-27 in September 2001) for TPH-G in the area of the former 500-gallon UST is calculated to be:

| Compound (2004) | Est. Plume Radius, ft | Π    | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - Sept 2001 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|--------------------------------|--------------|--------------|
| TPH-G           | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.0E+06  | 6.7E+04                        | 3.35E+11     | 335          |

The *highest* Estimated Contaminant Mass for TPH-G within the localized “hot spot” at this site is estimated to be **335 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *highest* known contaminant mass estimate (based on 1,700 ppb detected in MW-3s in February 2005) for Benzene in the area of the former 500-gallon UST is calculated as follows:

| Compound (2007) | Est. Plume Radius, ft | Π    | Thickness ft | Vol ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - Feb 2005 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|---------------------|----------|----------------------------------|----------|-------------------------------|--------------|--------------|
| Benzene         | 75.00                 | 3.14 | 25.00        | 4.42E+05            | 0.40     | 1.77E+05                         | 5.0E+06  | 1.7E+03                       | 8.5E+09      | 8.5          |

The **highest** Estimated Contaminant Mass for Benzene within the localized “hot spot” at this site is estimated to be **8.5 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *current* contaminant mass estimate (based on 6,300 ppb detected in MW-3s in March/April 2015) for TPH-G in the area of the former 500-gallon UST is calculated to be:

| Compound (2011) | Est. Plume Radius, ft | Π    | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - March 2012 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|---------------------------------|--------------|--------------|
| TPH-G           | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.0E+06  | 6.3E+03                         | 3.15E+10     | 31.51        |

The **current** Estimated Contaminant Mass for TPH-G within the localized “hot spot” at this site is estimated to be **31.51 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *current* contaminant mass estimate (based on 250 ppb detected in MW-3s in March 2012) for Benzene in the area of the former 500-gallon UST is calculated as follows:

| Compound (2011) | Est. Plume Radius, ft | Π    | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - July 2011 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|--------------------------------|--------------|--------------|
| Benzene         | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.1E+06  | 2.6E+02                        | 1.25E+09     | 1.25         |

The **current** Estimated Contaminant Mass for Benzene within the localized “hot spot” at this site is estimated to be **1.25 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

Based on the preceding Estimates of Contaminant Mass, TPH-G has decreased by a total of 303.49 kg, or a reduction of approximately 90.59%. Benzene has decreased by a total 7.25 kg, or a reduction of approximately 85.29%. The decreases in concentrations have been mostly from natural processes including biodegradation and dispersion of these residual contaminants, although the minimal air sparging remediation implemented showed that residual contaminants would be degrade much more quickly if operation continued.

## RISK ASSESSMENT

### Chemical Identification

The chemicals at the site that pose a potential risk to human health and the environment are those associated with gasoline. A petroleum distillate, gasoline is a complex mixture of hydrocarbons in the range of C4 to C12. Gasoline is a transparent liquid with a distinct

odor, and a boiling point of 121 °C, a density of 0.71-0.77 g/cm<sup>3</sup>, and is not soluble in water, although many of its components are. Gasoline contains a mixture of substances that are listed as toxic pollutants pursuant to 40 CFR 122.21, Appendix B, Tables II/III/IV, and known to the State of California to cause cancer, birth defects, and other reproductive harm, especially benzene.

Benzene is considered the most toxic/carcinogenic component of gasoline, and of the BTEX compounds. Benzene is a colorless liquid with a boiling point of 80.1 °C, a density of 0.877 g/mL, and a solubility in water of 1.8 g/L.

The gasoline oxygenate, MTBE has been detected at this site, and although not considered CoC for purposes of this Report (and as indicated by the USTCF in their 5-year review dated July 21, 2008), it is mentioned in this section since it has been detected at this site. Methyl tertiary-butyl ether (methyl t-butyl ether, MTBE) is a colorless liquid with a boiling point of 55 °C, a density of 0.74 g/mL, and a solubility in water of 26 g/L.

### **CoC LTCP Cleanup Objectives**

For purposes of this evaluation, EGS will use the objectives set forth in the Low-Threat Closure Policy (LTCP) for benzene and MTBE. The LTCP does not include a cleanup objective for TPH-G. These goals are subject to review and approval by the NC-RWQCB since the LTCP provides language for site specific regulator determination.

The following are the LTCP groundwater objectives for the CoC's for this site:

- ▶ Benzene = 3000 ppb
- ▶ MTBE = 1000 ppb

EGS will incorporate the above LTCP objectives into this Report for purposes of case closure consideration by the NC-RWQCB.

### **Light Non-aqueous Phase Hydrocarbons**

Light non-aqueous phase liquid (LNAPL) has never been observed / recorded in the site UST investigation. The residual contaminant present is older, dissolved and weathered gasoline.

## Potential Exposure Pathways

Buildings/Ground Surface: The chemicals of concern are located greater than 20 feet below the ground surface and covered by buildings, concrete and asphaltic pavements, although some portions of the subject site are covered with compacted gravel parking areas. The surrounding area is covered with asphaltic hard scape, with limited landscaped areas. Thus there is no apparent exposure pathway through buildings or the ground surface. If/when the site is redeveloped, the residual contaminant plume is located on the southern margin of the subject parcel and extends beneath Yolanda Avenue. It is unlikely that future building development will be located in the area of the residual contaminant plume.

Underground Utilities/Services and Worker Safety: There are numerous utility lines beneath Yolanda Avenue including electric, water, sewer, gas, and telephone. The surrounding area is connected to and receives water supply from the City of Santa Rosa. The residual contamination is located in soils greater than 20 feet below the ground surface. Therefore the potential of residual contamination migrating via utility pathways is deemed to be nil. Additionally, the potential for worker safety to be adversely impacted from the residual groundwater plume related to this site during redevelopment, street work and utility work, which occurs in soils less the 10 feet in depth, is deemed to be nil since all shallow soil samples less than 20 feet bgs have not resulted in detections of gasoline related compounds.

Surface Water and Groundwater: The chemicals of concern are in deeper soil (>20 feet bgs) and shallow groundwater. The groundwater gradient is variable from southeast-southwest, with some localized northeastern variability. The nearest surface water body (Colgan Creek) is located up gradient from the site approximately 3,000 feet to the northeast. There are three (3) water supply wells located within 500 feet of the residual contaminant plume as follows. The onsite supply well (DW-325) is located on the subject site, approximately 230 feet northeast (upgradient) from monitoring well MW-3s (Plate 12). This well was sampled in April 1989, May 1990, October 2011, and for purposes of this Report on February 29, 2016. There have been no detections of compounds related to gasoline in the on site domestic water supply well (Table 4). Refer to the attached Analytical Sciences Laboratory and QA/QC Report dated February 29, 2016 for recent results of groundwater samples collected from DW-325 (Appendix E).

Additionally, EGS identified two water supply wells located northwest (cross gradient of the residual contaminant plume) at 2612 and 2620 Santa Rosa Avenue (DW-2612 and DW-2620, Plate 12). These wells have not been sampled as part of this UST investigation, although monitoring wells MW-4 associated with this investigation and monitoring well B-25

associated with the adjacent UST investigation at 2640 Santa Rosa Avenue are located between the residual contaminant plumes and the existing domestic wells (Plate 12) and have resulted in no detections of compounds analyzed for.

Outdoor Exposure, Indoor Air and Vapor Intrusion: There have been numerous soil borings and excavation soil samples collected in soils up to a depth of 20 feet bgs resulting in *no detections of compounds analyzed for*. Additionally, the USTCF included in their September 2014 5-year review for the site the following statements as it relates to Vapor Intrusion to Indoor Air:

“This case meets Policy Criterion 2b. A professional assessment of site specific risk from exposure through the vapor intrusion pathway was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health.”

The USTCF also included in their September 2014 5-year review for the site the following statements as it relates to Direct Contact and Outdoor Air Exposure:

“This case meets Policy Criterion 3b. A professional assessment of site specific risk from exposure through the direct exposure pathway was performed by Fund staff. The assessment of site specific risk from potential exposure to residual soil contamination found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health.”

Finally, EGS conducted a soil vapor investigation at this site, as documented in our November 25, 2016 report, to directly measure the potential for soil vapor contamination resulting in no detections of residual contaminants that exceed LTCP criteria, and oxygen content greater than 4% at each location. The locations of the soil vapor sample probes are presented in Plate 11 of this Report.

The Site Conceptual Model exposure pathways are presented on Plate 13 of this Report.

### **Sensitive Receptors**

As directed by the NC-RWQCB in their May 13, 2016 letter, EGS performed a Sensitive Receptor Survey (SRS) as part of this investigation. Results of the SRS are also presented in our November 25, 2016 report.

The SRS included identifying the location of existing, or if possible, abandoned water supply wells within a 500-foot radius from the residual contaminant plume boundary by



completing a well canvas, reviewing well logs provided by the California DWR, and reviewing previously collected SRS data from other nearby investigations.

The SRS also identified nearby surface waters and preferential water pathways, identified potential sensitive environmental habitats and/or land use if any, and identified relevant public health and safety issues if any. The following presents the results of our Sensitive Receptor Survey:

- A site / area reconnaissance and well canvas was performed to visually identify active wells or probable wells within a 500-foot radius beyond the limits of the residual contaminant plume. Three active, in use wells were identified as follows:
  - ▶ DW-325 located on the subject site approximately 230 feet to the northeast (up gradient) of the former gasoline UST on the subject site;
  - ▶ DW-2612, located at 2612 Santa Rosa Avenue approximately 394 feet northwest (cross gradient) from the former UST at the subject site;
  - ▶ DW-2620, located at 2620 Santa Rosa Avenue approximately 314 feet northwest (cross gradient) from the former UST at the subject site.
- The location of each of these wells is presented on Plate 12 of this Report. Each of these wells is currently in use at the referenced properties.
- Additionally, EGS identified an existing water supply well located at 2601 Santa Rosa Avenue, although this well is beyond 1000 feet west-northwest from the former UST located on the subject site (Plate 12).
- EGS verified that, with the exception of the subject site located at 325 Yolanda Avenue and the addresses of 2612 and 2620 Santa Rosa Avenue (location of water supply wells), the surrounding area properties within 500 feet of the localized residual contaminant plume are connected to the City of Santa Rosa municipal water supply. There is a connection for city water located along Yolanda Avenue for the subject site, but the property has never been connected to the service, although it is connected to city sanitary sewer service.
- The nearest surface water body to the subject site is Colgan Creek, located approximately 2500 feet northeast of the former gasoline UST location.
- We reviewed 238 water supply well completion/destruction logs provided to EGS

by the Department of Water Resources (DWR), with no additional existing wells located within 500 feet of the remaining residual groundwater plume that were not identified in our well canvas.

- EGS identified three (3) well destruction logs for the property located at 372 Yolanda Avenue (southeast of the former gasoline UST) as well as two (2) well destruction logs for the property located at 316 Yolanda Avenue, adjacent south of the site as provided by the DWR (Plate 12).
- EGS met with the property owner, Mr. Eric Drew, to verify that there are no existing wells at the residences located at 376 and 380 Yolanda Avenue. Mr. Drew indicated that there had been older wells which have been removed (abandonment method / date unknown), and that each of the residences is supplied city water. EGS observed the abandoned well casing at 376 Yolanda Avenue (Plate 12).
- EGS also consulted with Mr. Ken Crownover, owner of Malm Fireplaces located at 368 Yolanda Avenue, as well as Mr. Mike Gasperini, representative of the property owner at 368 Yolanda Avenue; each of which verified that the properties located at 358/358B and 368 Yolanda Avenue do not have active water supply wells, that the older water supply wells had been removed due to the ongoing groundwater investigation at 368 Yolanda Avenue, and the properties are serviced by city water.
- There are no hospitals, schools, or day-care centers within ½ mile of the site.
- There appears to be no environmentally sensitive habitats nearby the subject property as the surrounding area is developed.
- There are no residences that use water supplied from a well within 500 feet of the former gasoline UST and associated minimal residual contaminant plume.

EGS also reviewed the findings of Edd Clark & Associates SRS information (included in their report dated May 2, 2016 prepared for 2640 Santa Rosa Avenue) and SCS Engineers Sensitive Receptor Survey dated March 28, 2012 prepared for the site located at 368 Yolanda Avenue. Based on our review of those reports, there are seven (7) additional abandoned water supply wells identified within 500 feet of the residual contaminant plume related to the former UST on the subject site (Plate 12). A summary of information available regarding these wells follows:

- Well W-1: 2690 Santa Rosa Avenue (former Lyle's Tackle Shop), had been out of service since 1987, *abandoned in 2000*. This well was inaccurately referred to in

the USTCF September 2014 5-year review.

- Well W-2: Interior of the former Malm Metal building (2642 Santa Rosa Avenue), had been out of service since 1988 and *abandoned in 2000*.
- Well W-3: 302 Yolanda Avenue, had been out of service since 1978, *abandoned in 2000*.
- Well W-4: 316 Yolanda Avenue, replaced by Well W-7 in 1983 due to contamination impacts, and *abandoned in 2005*.
- Well W-5: 2696 Santa Rosa Avenue (beyond 500 feet of site plume, not shown on Plate 3), *abandoned in 2000*.
- Well W-6: 2698 A Santa Rosa Avenue (beyond 500 feet of site plume, not shown on Plate 3), *abandoned in 2000*.
- Well W-7: 316 Yolanda Avenue, installed in 1983 replacing W-4 and used until 1997. Depth 170 feet bgs, screen interval from 90 - 170 feet bgs, contains 65 foot seal from ground surface, *abandoned in 2005*.

Plate 12 of this Report presents the site map with 500-foot radius, depicts the location of the remaining localized residual contaminant plume, the location of the existing on site domestic well and two (2) nearby existing wells, as well as the location of the above described abandoned domestic water supply wells and other abandoned water supply wells documented in EGS' SRS dated November 25, 2016.

## **CONCLUSIONS**

Based on our evaluation of information collected to date from our investigation of this site we have formulated the following conclusions:

- Our review of the site history, previous investigations, soil and groundwater samples, and ongoing monitoring of the subject site and the adjacent site to the southwest (2640 Santa Rosa Ave), concludes that residual petroleum hydrocarbon contamination remains in shallow groundwater near the former gasoline UST in a localized, diminishing plume primarily located along/beneath Yolanda Ave (Plate 9).
- Residual petroleum hydrocarbon contamination remaining at this site is primarily located in the shallow groundwater aquifer. The localized residual contamination

is related to the former 500-gallon UST, previously located near the SW corner of the site building (Plates 3-5). The former gasoline UST was removed in 1982, and was approximately 40-50 years old. The former diesel UST's were removed in 1988 and resulted in no residual contamination related to diesel fuel at this site.

- The area of groundwater impacted by TPH-G and benzene is relatively small (Plate 9), and is less than 200 feet in length. The minimal residual plume is localized from the area of the former 500-gallon UST and well MW-3s, and extends approximately 150 to 200 feet to the west-southwest beyond well B-15 and near well B-16, where it likely then co-mingles with the adjacent residual contaminant plume that is higher in concentrations, as depicted on attached Plate 9.
- The shallow groundwater residual contamination plume appears to be separate from the plume located at 2640 Santa Rosa Avenue, although some co-mingling may occur beneath Yolanda Avenue between monitoring well B-15 of the subject site, and the adjacent well DPE-1 (Plate 9). Monitoring wells B-16 and B-28 (Plate 9) appear to represent the area where the residual contaminant plumes show some separation based on the low to non detect analytical results in these wells.
- Natural attenuation has resulted in notable decreases in concentrations of CoC's for this site since the tank removal and investigation began in 1982 evident by the construction of Historic Concentration Trend Charts 1 through 12 (Appendix C), as well as our estimates of remaining contaminant mass calculations. Charts 1 through 12 present *stable and decreasing* trends over the long term for TPH-G and benzene, in all site monitoring wells.
- Based on our review of the subsurface lithology during the construction of the attached geologic cross sections (Plates 6 and 7), it appears that a laterally continuous stiff, silty clay aquitard exists at depths from approximately 24-feet bgs to approximately 33-feet bgs, although the thickness is variable. It is our opinion that this lithologic unit has minimized cross contamination of TPH-G and BTEX compounds to the deeper groundwater bearing zone.
- There were no detections of TPH-G or BTEX during the March 2012 monitoring event from deeper well MW-3d related to the subject site, and the most recent concentration (Mar/Apr 2015) of TPH-G and benzene in MW-3d is 200 ppb and ND<1.0 ppb, respectively. Additionally, there were no detections from groundwater samples during installation and from multiple sampling events of monitoring wells MW-1 and MW-2 (installed related to the former diesel UST's). These monitoring wells were installed into the deeper aquifer (Plate 6). It is our opinion that the

historic data from MW-1 and MW-2 defines the deeper aquifer in the up gradient direction from the current on site deeper well MW-3d.

- Additionally, the adjacent site has routinely monitored deeper groundwater from three (3) wells (B-35D, B-36D, and B-37D, Plate 4), each of which are in the down gradient direction from MW-3d, which has defined deeper groundwater in the down gradient direction.
- Based on our review of historical soil data at this site (Tables 6 and 7, Appendix B), there have been very limited to no detections of gasoline related compounds in soil samples collected in the upper 20 feet beneath this site.
- EGS completed a direct measurement soil vapor investigation (8 probes, Plate 11) which resulted in no detections of compounds analyzed fro that exceed the LTCP criteria, and oxygen content greater than 4% (EGS' Report dated November 25, 2016).
- There are currently three (3) domestic water supply wells in use within 500 feet of the residual contaminant plume as follows: onsite well DW-325 located upgradient (northeast), and DW-2612 and DW-2620 located northwest (cross gradient) as shown on Plate 12.. The onsite well (DW-325) has been sampled in 1989 and 1990, and again by EGS in October 2011 and February 2016 (Appendix E) and has not resulted in detections of gasoline related constituents. The NC-RWQCB does not appear that it will require abandonment of well DW-325 as a condition of case closure (letter dated May 13, 2016).
- Questions remaining regarding the presence of a domestic water well located at 316 Yolanda Avenue were resolved when DWR provided copies of well abandonment completion for the two wells (W-4 and W-7) at that site as part of the SRS.
- It has been determined that original monitoring wells MW-1 and MW-2 have been properly abandoned, under permit from Sonoma County, based on our review of ECON's November 3, 2008 report (Appendix F), as well as our site observations during a geophysical survey where the abandoned wells were located and observed to be grouted. During the geophysical survey, EGS identified two possible locations for missing monitoring well B-18. This well will attempt to be abandoned during well abandonment procedures as part of case closure.
- It is our opinion, based on this SCM and our site review, that this site is a candidate for case closure in accordance with the LTCP as follows.

## **SITE SPECIFIC LOW-THREAT CLOSURE EVALUATION**

### **REQUEST FOR CLOSURE**

The California State Water Resources Control Board (SWRCB) adopted the Low-Threat Closure Policy (LTCP) for UST sites on August 17, 2012. The purpose of the LTCP is to establish consistent statewide case closure criteria for low-threat petroleum UST sites, with the intent of increasing UST cleanup process efficiency. A benefit of improved efficiency is the preservation of limited resources for mitigation of releases posing the greatest threat to human and environmental health.

The LTCP states that sites that meet the general and media-specific criteria described in the LTCP do not pose a threat to human health, safety, or the environment and are appropriate for UST case closure pursuant to Health and Safety Code section 25296.10. The LTCP states that cases that meet the criteria in the LTCP do not require further corrective action and shall be issued a uniform closure letter consistent with Health and Safety Code section 25296.10, if the site is determined to be low threat based upon a site-specific analysis.

### **GENERAL CRITERIA REQUIREMENTS**

The general criteria requirements that must be satisfied by candidate sites are listed as follows. EGS has presented rationale following each criteria as to why the subject site meets the criteria.

- a. The unauthorized release is located within the service area of a public water system.

Satisfied: The site and surrounding area properties are currently served, or service is available by the municipal water supply from the City of Santa Rosa.

- b. The unauthorized release consists only of petroleum.

Satisfied: The site's *remaining* unauthorized release has been characterized as consisting of older, weathered gasoline related constituents TPH-G and BTEX from a former 500-gallon UST removed in 1982.

- c. The unauthorized ("primary") release from the UST system has been stopped.

Satisfied: In 1982, a 500-gallon gasoline UST was removed from the subject site. Additionally, in 1988, a 4,000-gallon and 8,000-gallon USt containing diesel fuel was

removed from the subject site. A UST investigation was initiated, and ongoing monitoring indicates that no additional releases have occurred. Therefore, the site's primary release has been stopped.

d. Free product has been removed to the maximum extent practicable.

Satisfied: LNAPL has not been observed at this site during the course of the UST investigation.

e. A conceptual site model has been developed.

Satisfied: EGS included a SCM in our June 2012 FSCAP; this report also contains an update to the SCM.

f. Secondary source removal has been addressed.

Satisfied: In 1988, after the diesel UST's were removed, over-excavation of soil was completed removing approximately 180 cy of soil, and samples were collected that verified contaminant removal (Kleinfelder, 1988). In 1991, approximately 175 cy of soil was excavated and removed from the former 500-gallon UST area to a depth of 23 feet bgs (Sierra, 1992). Residual petroleum hydrocarbon concentration soil does not warrant further secondary source removal since there have been no detections of gasoline related constituents in soils less than 20 feet in depth. Additionally, EGS installed and operated an air operated sparging system to treat the remaining residual groundwater impacts with favorable results during the time of operation (2014).

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code section 25296.15.

Satisfied: Soil and groundwater samples have been tested for MTBE. The results of the analytical testing have been made available and reported to the NC-RWQCB, per California Health and Safety Code 25296.15.

h. Nuisance as defined by Water Code section 13050 does not exist at the site.

Satisfied: Conditions satisfying the definition of a nuisance as defined in Water Code section 13050 do not exist at the site.

## MEDIA-SPECIFIC CRITERIA

Media-specific criteria are related to the most common exposure scenarios, which in the policy have been combined into three media-specific criteria related to:

1. Groundwater
2. Vapor Intrusion to Indoor Air
3. Direct Contact and Outdoor Air Exposure

### Groundwater

It is a fundamental tenet of the LTCP that if the closure criteria described in the policy are satisfied at a petroleum unauthorized release site, applicable water quality objectives (WQO's) will be attained through natural attenuation within a reasonable amount of time, prior to the need for use of any affected groundwater. If a site has groundwater with a designated beneficial use which is affected by an unauthorized release, to satisfy the media-specific criteria for groundwater stated in the LTCP, the contaminant plume that exceeds WQO's must be stable or decreasing in areal extent (*Satisfied* - Charts 1 through 12, Appendix C), and meet all of the additional characteristics of *one of the five* classes of sites listed in the policy.

The five classes of sites are stated in the policy as follows:

1.
  - a. The contaminant plume that exceeds WQO's is less than 100 feet in length.
  - b. There is no free product.
  - c. The nearest existing water supply well and/or surface water body is greater than 250 feet from the defined plume boundary.

-This class is not met since the contaminant plume is greater than 100 feet and a water supply well is located within 250 feet of the defined plume boundary

2.
  - a. The contaminant plume that exceeds WQO's is less than 250 feet in length.
  - b. There is no free product
  - c. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - d. The dissolved concentration of benzene is less than 3,000 µg/L and the dissolved concentration of MTBE is less than 1,000 µg/L.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary



3.
  - a. The contaminant plume that exceeds WQO's is less than 250 feet in length.
  - b. Free product may be present below the site but does not extend off-site.
  - c. The plume has been stable or decreasing for a minimum of 5 years.
  - d. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - e. The property owner is willing to accept a deed restriction if the regulatory agency requires a deed restriction as a condition of closure.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary

4.
  - a. The contaminant plume that exceeds WQO's is less than 1,000 feet in length.
  - b. There is no free product
  - c. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - d. The dissolved concentration of benzene is less than 1,000 µg/L and the dissolved concentration of MTBE is less than 1,000 µg/L.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary

5.
  - a. An analysis of site specific conditions determines that the site under current and reasonable anticipated near-term future scenarios poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.

Satisfied: The site satisfies Class 5 in that under current and reasonable anticipated future scenarios poses a low threat to human health and the environment for the following reasons:

- ◆ The residual contamination plume is characterized, is minimal and degrading over time, approximately 150-200 feet in length, primarily located at the southern margin of the property and beneath an asphaltic paved road (Yolanda Ave) that will be widened in the near future, therefore further encapsulating the residual contamination beneath an asphalt cap, away from existing and future buildings.
- ◆ Primary and secondary sources have been removed, and LNAPL's have never been present.

- ◆ Historic concentration trend analysis indicates decreasing trends over the long term for site COC's in all wells.
- ◆ Very minimal residual contamination has been detected in soils less than 20 feet in depth, thereby minimizing the potential for vapor intrusion, direct contact, outdoor air exposures, and with respect to protecting worker safety.
- ◆ Three domestic water supply wells are located within 500 feet of the remaining residual contaminant plume. Each of the three identified wells are located in either an upgradient, or cross gradient direction, and there are shallow monitoring wells located in positions between the residual contaminants plumes in the area and the existing domestic wells that indicate no detections of CoC's (Plate 12). The well located on the subject site (DW-325) is located approximately 230 feet up gradient, is not currently used for drinking water, and has always resulted in no detections when sampled (1898, 1990, 2011, Feb 2016). NC-RWQCB stated in their May 13, 2016 letter that "staff does not require the destruction of the onsite well as a condition of site closure."
- ◆ The residual contaminant plume will not likely have future building development overlying it since its location is on the southern margin of the parcel, extending beneath the street. This area will likely be used for roads, driveways and parking.
- ◆ The nearest surface water is a seasonal creek located 2400 feet northeast (upgradient) and 2600 feet west of the site.
- ◆ There are no hospitals, schools, day-care centers or other sensitive land uses within ½ mile of the site.
- ◆ There are no residences using well water near the subject site, the surrounding area is provided municipal water service and is mostly commercial land use.
- ◆ Deeper groundwater impacts are minimal, with no detections of BTEX compounds, and very low detections (71-200 ppb) of TPH-G.

### Vapor Intrusion to Indoor Air

This LTCP describes conditions, including bioattenuation zones, which if met will assure that exposure to petroleum vapors in indoor air will not pose unacceptable health risks. Petroleum release sites shall satisfy the media-specific criteria for petroleum vapor intrusion to indoor air and be considered low-threat for the vapor-intrusion-to-indoor-air pathway if:

- a. Site-specific conditions at the release site satisfy all of the characteristics and criteria of scenarios 1 through 3 as applicable, or all of the characteristics and criteria of scenario 4 as applicable; or

*Satisfied:* The residual petroleum contaminant consists of older, weathered gasoline, and there has never been LNAPL encountered during the 30+ years of investigation. Based on EGS' Soil Vapor Investigation as documented in our November 25, 2016 Report, there were no detections of compounds analyzed for that exceed LTCP screening criteria. Very low concentrations of benzene were detected in soil vapor samples collected from SV-1 (37  $\mu\text{g}/\text{m}^3$ ), SV-4 (36  $\mu\text{g}/\text{m}^3$ ), SV-5 (57  $\mu\text{g}/\text{m}^3$ ), and SV-7 (57  $\mu\text{g}/\text{m}^3$ ). The concentrations of benzene detected are *well below* the State of California LTCP Scenario 4 – Direct Measurement of Soil Gas Concentration (1 of 2) Criteria of 85  $\mu\text{g}/\text{m}^3$  for residential development, and 280  $\mu\text{g}/\text{m}^3$  for commercial development.

Additionally, the oxygen content of the subsurface soil was measured at each location resulting in a range of 9.9% to 21%, with a mean of 19.73%. These results are far greater than the 4% requirement needed for a site to be categorized as having a Bioattenuation Zone in accordance with the LTCP. Since this site meets the oxygen threshold of 4% or greater it is considered as having a Bioattenuation Zone, which increases the screening criteria for benzene 1000-fold in accordance with the LTCP.

- b. A site-specific risk assessment for the vapor intrusion pathway is conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency;

*Satisfied:* Refer to the above conclusions for direct measurement of soil vapor at the site. Additionally, the USTCF published in their September 2014 5-year review that “this case meets Policy Criterion 2b. A professional assessment of site specific risk from exposure through the vapor intrusion pathway was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health.”

c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health.

Not applicable to this site

### **Direct Contact and Outdoor Air Exposure**

The LTCP describes conditions where direct contact with contaminated soil or inhalation of contaminants volatilized to outdoor air poses a low threat to human health. Release sites where human exposure may occur satisfy the media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if they meet any of the following:

a. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 of the LTCP for the specified depth below ground surface (bgs). The concentration limits for 0 to 5 feet bgs protect from ingestion of soil, dermal contact with soil, and inhalation of volatile soil emissions and inhalation of particulate emissions. The 5 to 10 feet bgs concentration limits protect from inhalation of volatile soil emissions. Both the 0 to 5 feet bgs concentration limits and the 5 to 10 feet bgs concentration limits for the appropriate site classification (Residential or Commercial/Industrial) shall be satisfied. In addition, if exposure to construction workers or utility trench workers are reasonably anticipated, the concentration limits for Utility Worker shall also be satisfied; or

Satisfied: There have been little to no detections of petroleum hydrocarbon constituents in the upper 20 feet of soil in all areas explored on the site thereby satisfying this criterion. Therefore, direct contact and outdoor air exposures do not appear to be exposure pathways that pose a significant risk at this site.

b. Maximum concentrations of petroleum constituents in soil are less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health; or

Satisfied: The USTCF published in their September 2014 5-year review that “this case meets Policy Criterion 3b. A professional assessment of site specific risk from exposure through the direct exposure pathway was performed by Fund staff. The assessment of site specific risk from potential exposure to residual soil contamination found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health.”

c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health.

Not applicable to this site

## **CONCLUSIONS AND RECOMMENDATIONS**

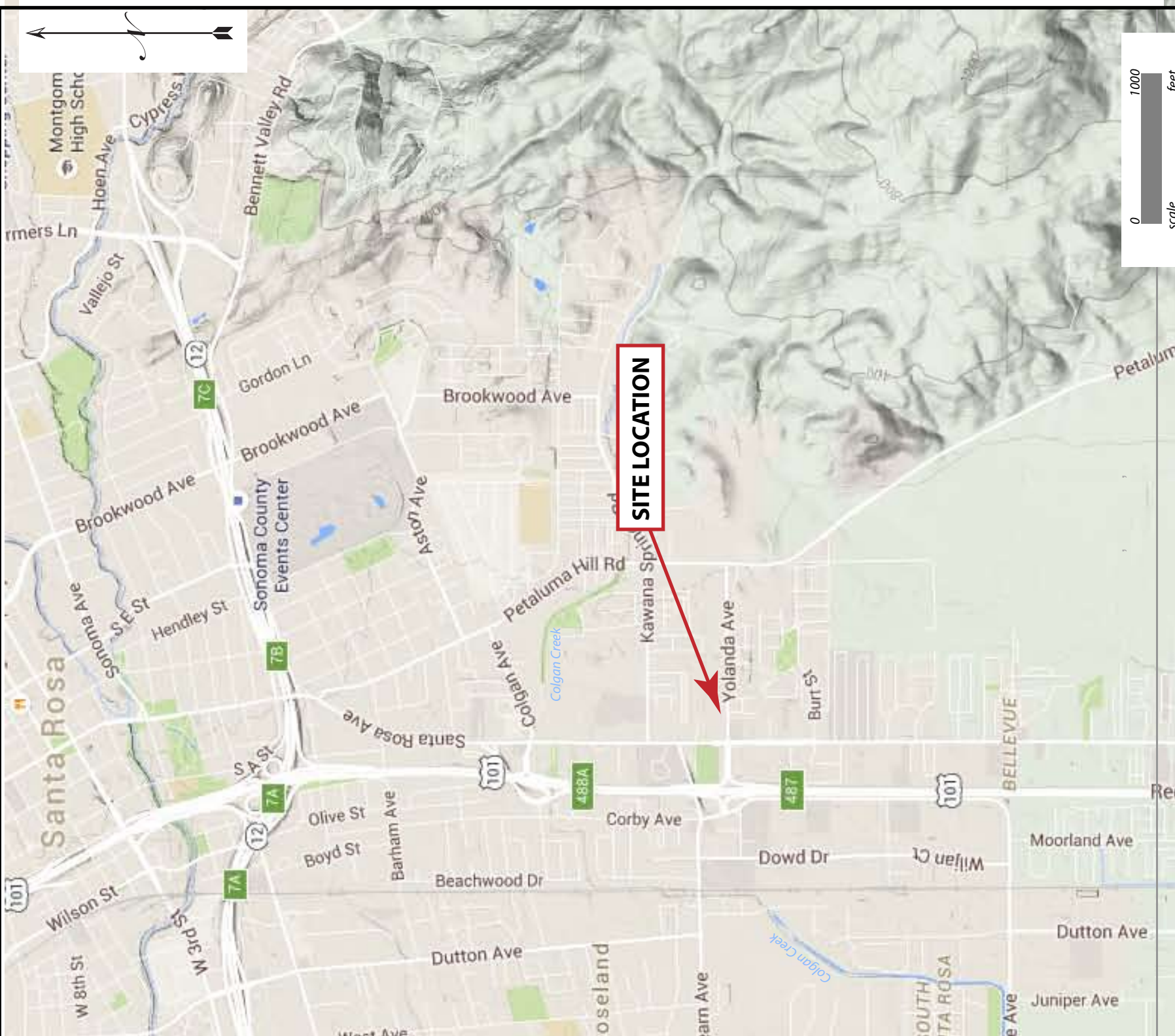
Based on our review, site conditions meet the general and media-specific criteria established in the Low-Threat Closure Policy, and therefore pose a low threat to human health, safety, and the environment, and satisfy the case-closure requirements of Health and Safety Code section 25296.10, and case closure is consistent with Resolution 92-49 that requires that cleanup goals be met within a reasonable time frame.

EGS recommends that the NC-RWQCB consider this case for closure in accordance with the criteria set forth in the State's LTCP, and as presented in this Site Evaluation.

In an effort to further satisfy the Direct Contact and Outdoor Air Exposure criteria, and in accordance with the NC-RWQCB's May 13, 2016 letter, EGS has completed a Soil and Groundwater Management Plan (SGMP) for this site which is currently in internal review of the potential future site developer. Upon receipt of the reviewed SGMP, EGS will finalize and submit to the NC-RWQCB.

# **APPENDIX A**

## ***Plates***



**SITE LOCATION MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California  
 NC-RWQCB Case #1TSR050

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: DEC 2016

**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
 Consulting and Project Management

Serving Northern California Since 1989  
 www.EGSconsultants.com

O/F: 707-528-0810  
 M: 707-953-1020

# COUNTY ASSESSOR'S PARCEL MAP

TAX RATE AREA  
 4-134 4-140  
 4-136 4-217  
 4-137

44-07

Parcel Map No. 3300-A  
 REC. 08-08-1973 IN BK. 195, MAPS, PGS. 03-00

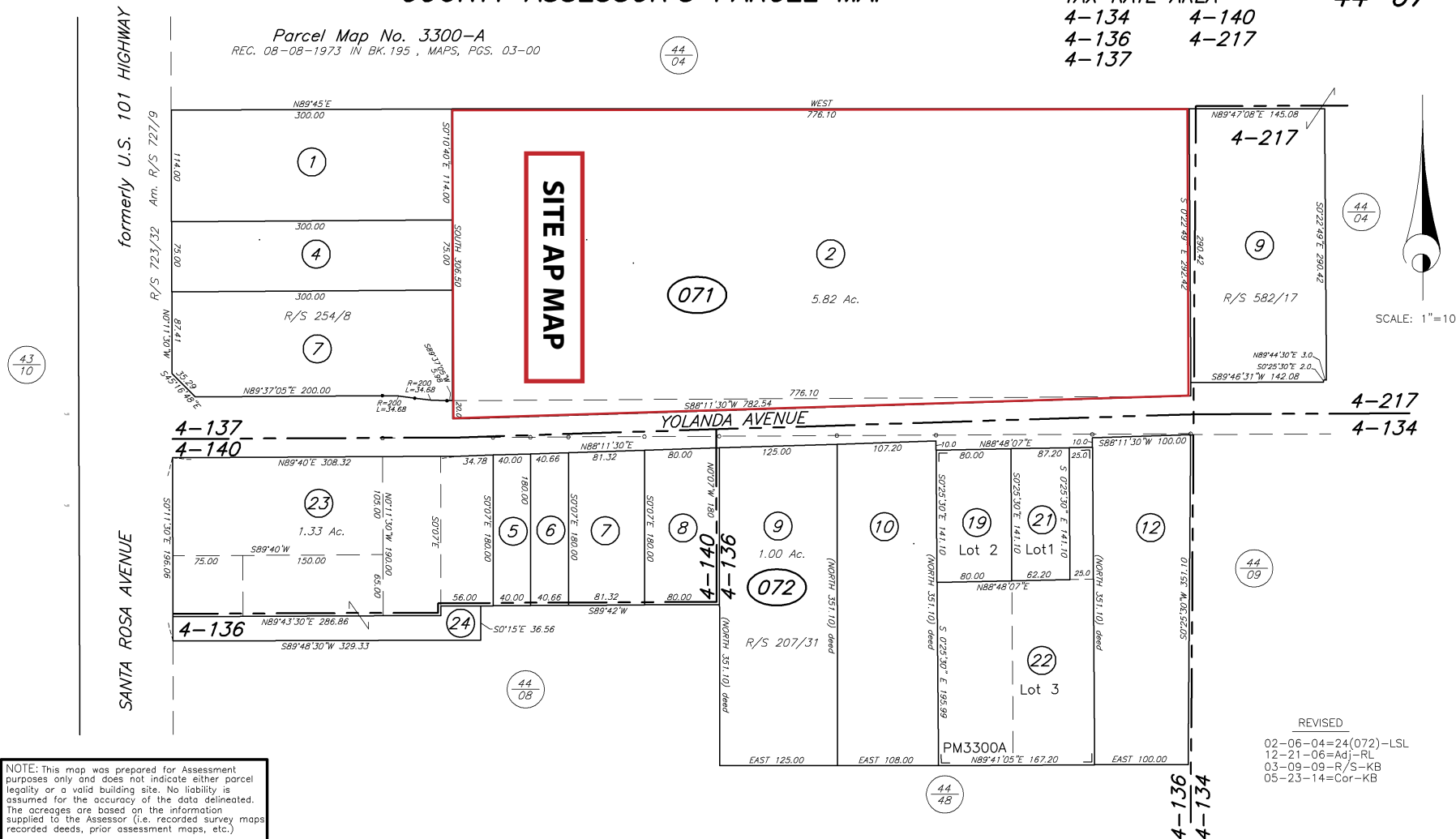


**ENVIRONMENTAL**  
**GEOLOGY**  
**SERVICES**  
 Consulting and Project Management

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: DEC 2016

**ASSESSOR PARCEL MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California  
 NC-RWQCB Case #175R050

PLATE  
 2



NOTE: This map was prepared for Assessment purposes only and does not indicate either parcel legality or a valid building site. No liability is assumed for the accuracy of the data delineated. The acreages are based on the information supplied to the Assessor (i.e. recorded survey maps, recorded deeds, prior assessment maps, etc.)

NOTE: Assessor's parcels do not necessarily constitute legal lots. To verify legal parcel status, check with the appropriate city or county community development or planning division.

REVISED  
 02-06-04=24(072)-LSL  
 12-21-06=Adj-RL  
 03-09-09-R/S-KB  
 05-23-14=Cor-KB

Assessor's Map Bk. 044, Pg. 07  
 Sonoma County, Calif. (ACAD)

KEY 7/24/09 AG

SCALE: 1"=100'





**FORMER DIESEL USTs**

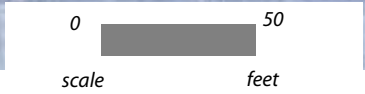
**FORMER GASOLINE UST**

**HULSMAN  
TRANSPORTATION  
SITE - 325 YOLANDA**

**Yolanda Avenue**

**MALM METAL SITE -  
2940 SANTA ROSA AVE**

**316 YOLANDA AVE**



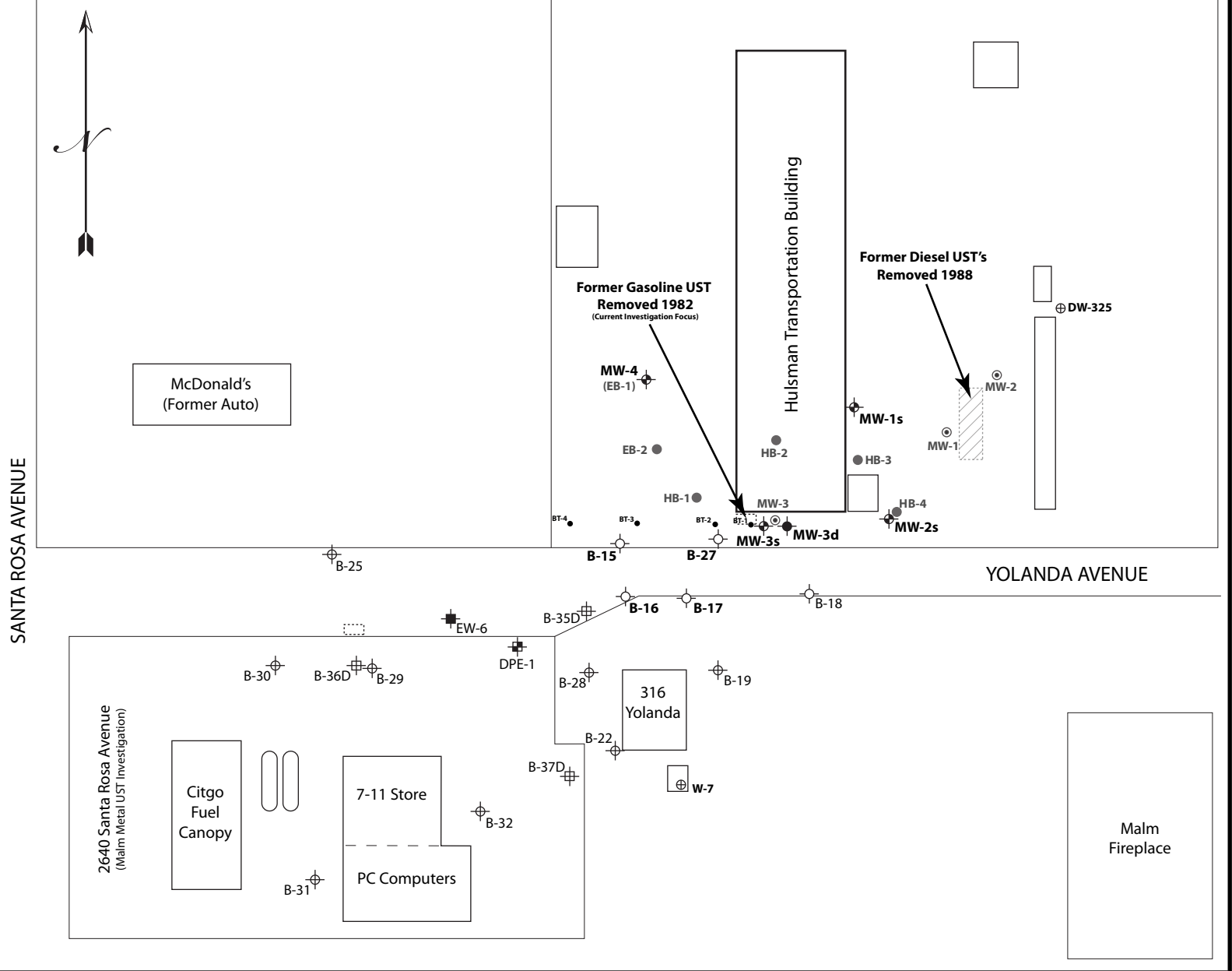
**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: DEC 2016

**SITE MAP WITH FORMER UST LOCATIONS  
REVISED LTCP EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
**3**



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- Bench Test Boring, completed by EGS  
(Note: BT-1 was completed using a hand auger to 5-feet bgs)
- ⊕ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB2016)
- ⊕ Abandoned Domestic Water Supply Well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER GASOLINE UST Locations
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

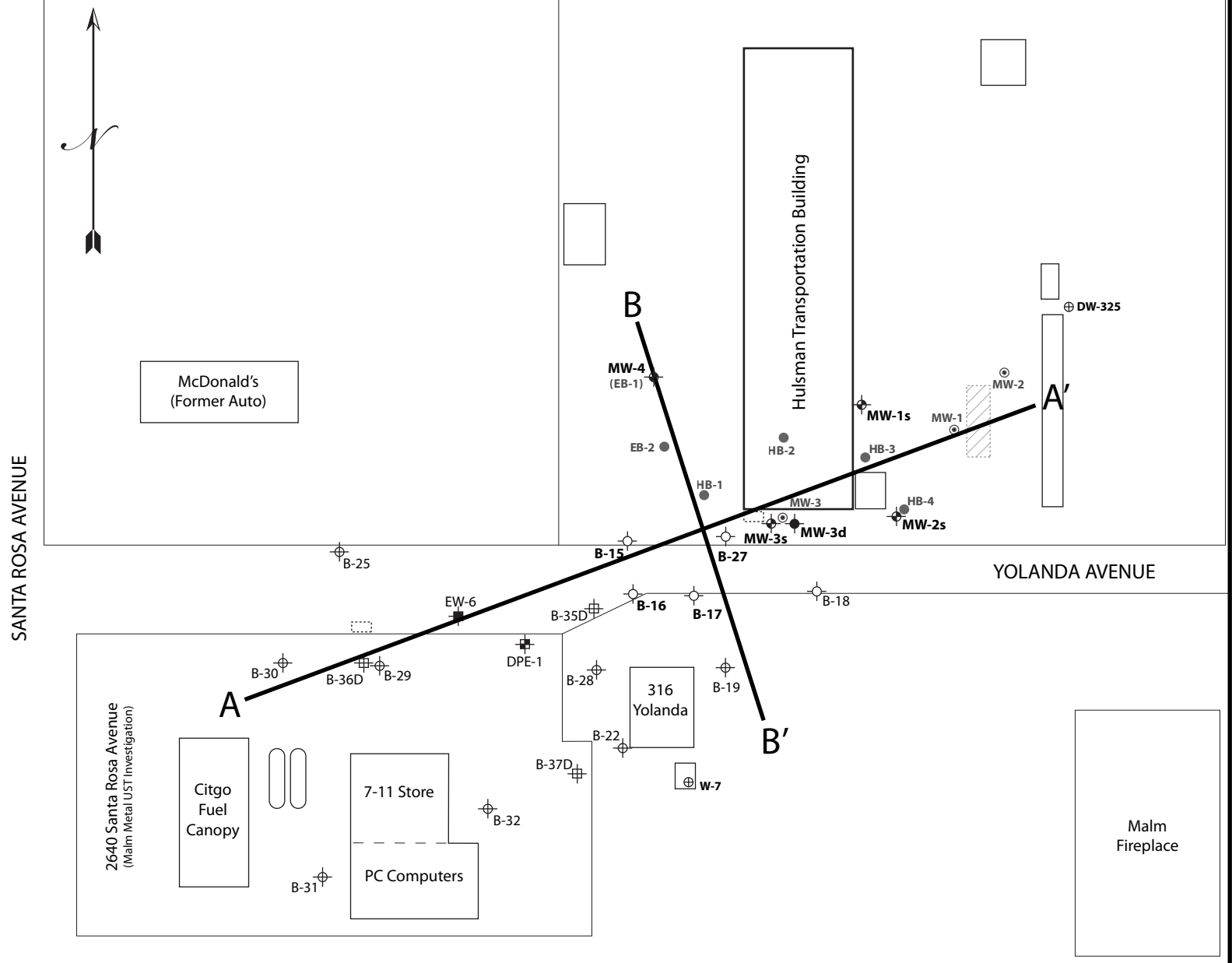
Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: DEC 2016

**EXPLORATORY LOCATIONS MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
4



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊕ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB 2016)
- ⊕ Abandoned Domestic Water Supply well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER GASOLINE UST Locations
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

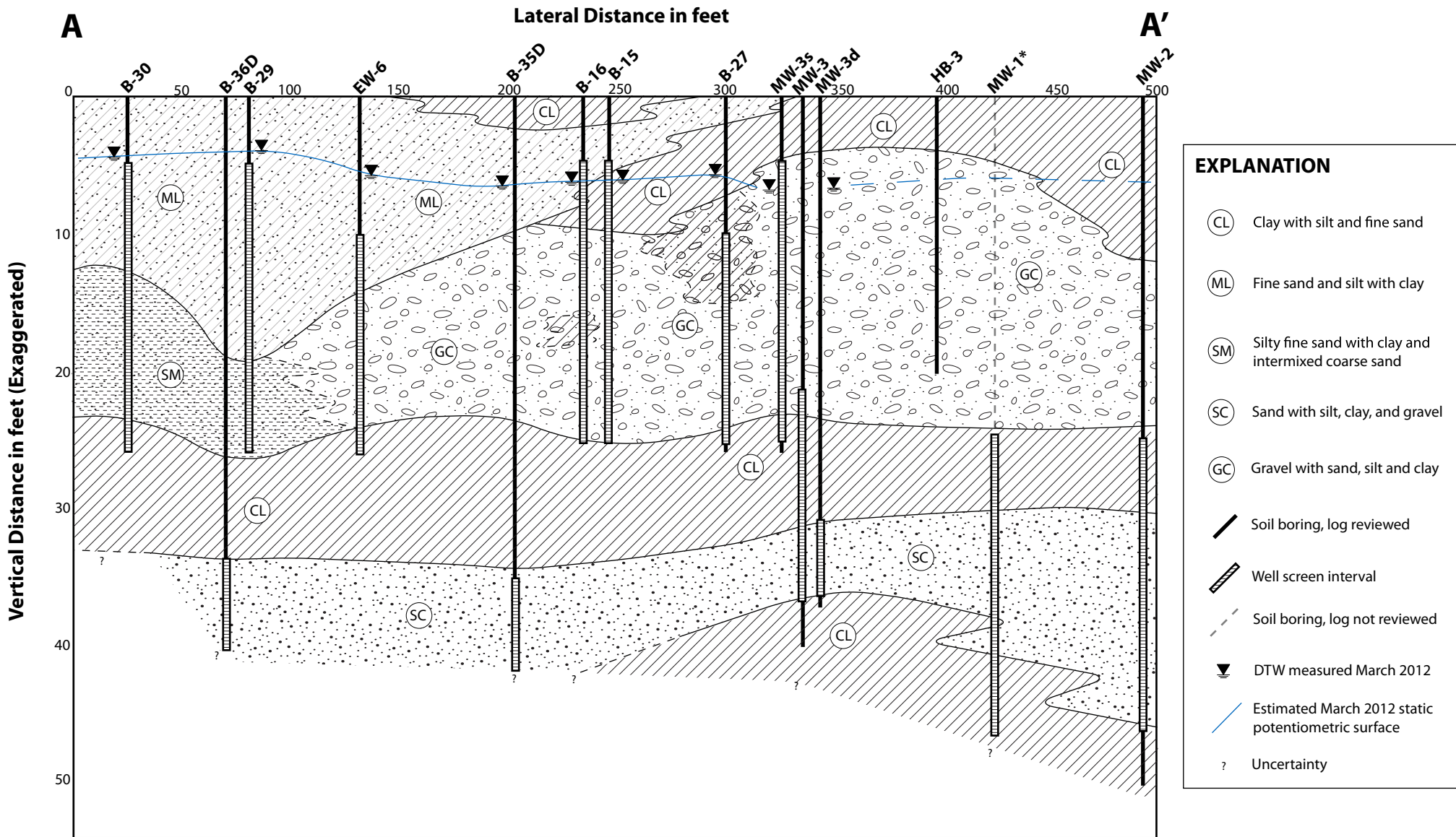
Serving Northern California Since 1989  
www.EGSconsultants.com O/F: 707-528-0810 M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: DEC 2016

**GEOLOGIC CROSS SECTION MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
5



**NOTES:** The abandoned monitoring well MW-3 was not properly constructed since it did not include a conductor casing to seal off the upper aquifer while drilling into the deeper aquifer. Additionally, the well was constructed with the well screen located in both the shallow and deeper aquifer thereby creating a preferential pathway for contaminants to migrate from the shallow to the deeper aquifer at this location. This is the probable reason that deeper contamination has been detected at this site.  
 \*The well log for MW-1 was not reviewed, the screened interval and depth are from Edd Clark & Associates November 1998 report.



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
DEC 2016

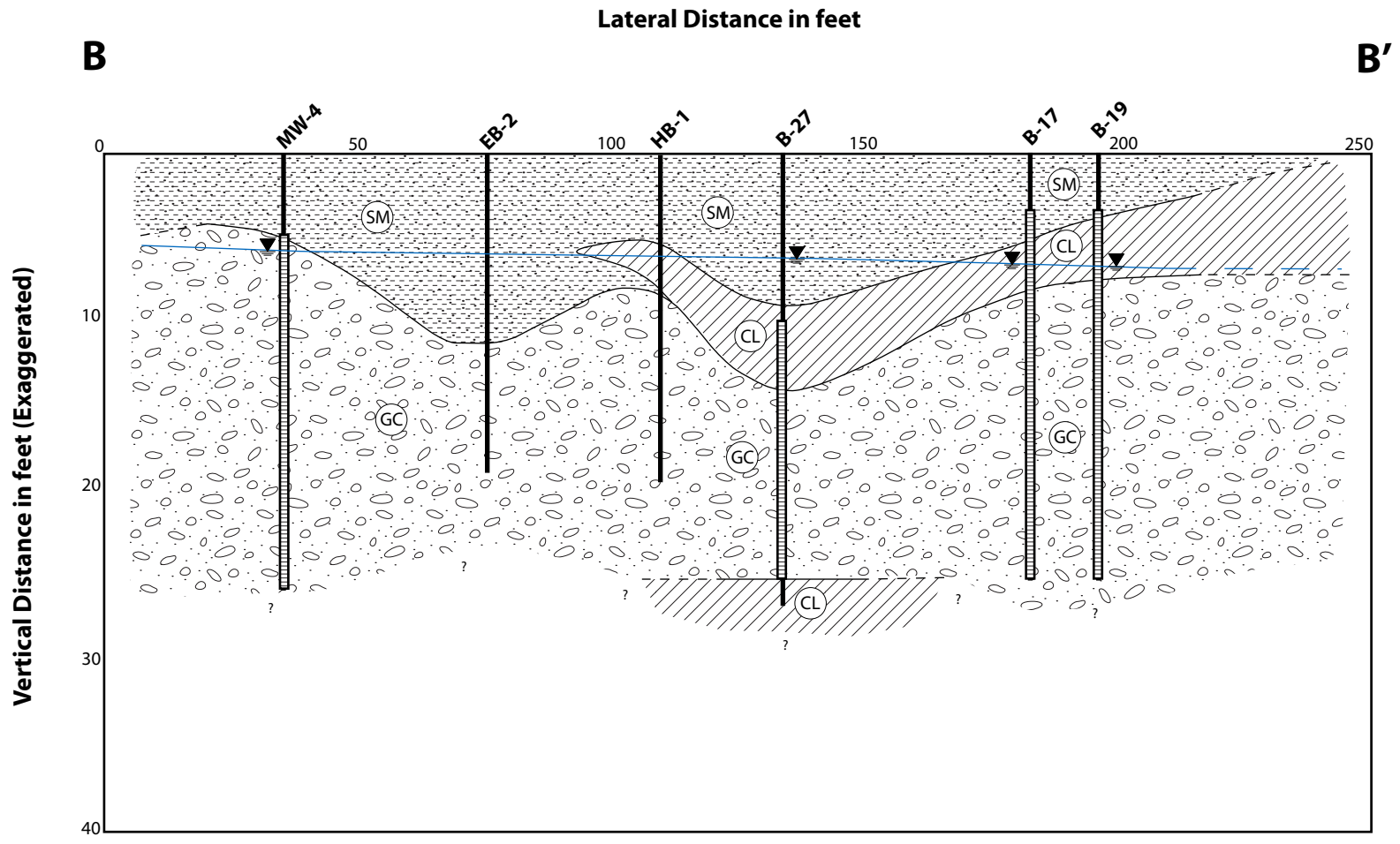
**GENERALIZED GEOLOGIC CROSS SECTION A-A'**

**REVISED LTCP EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE

6



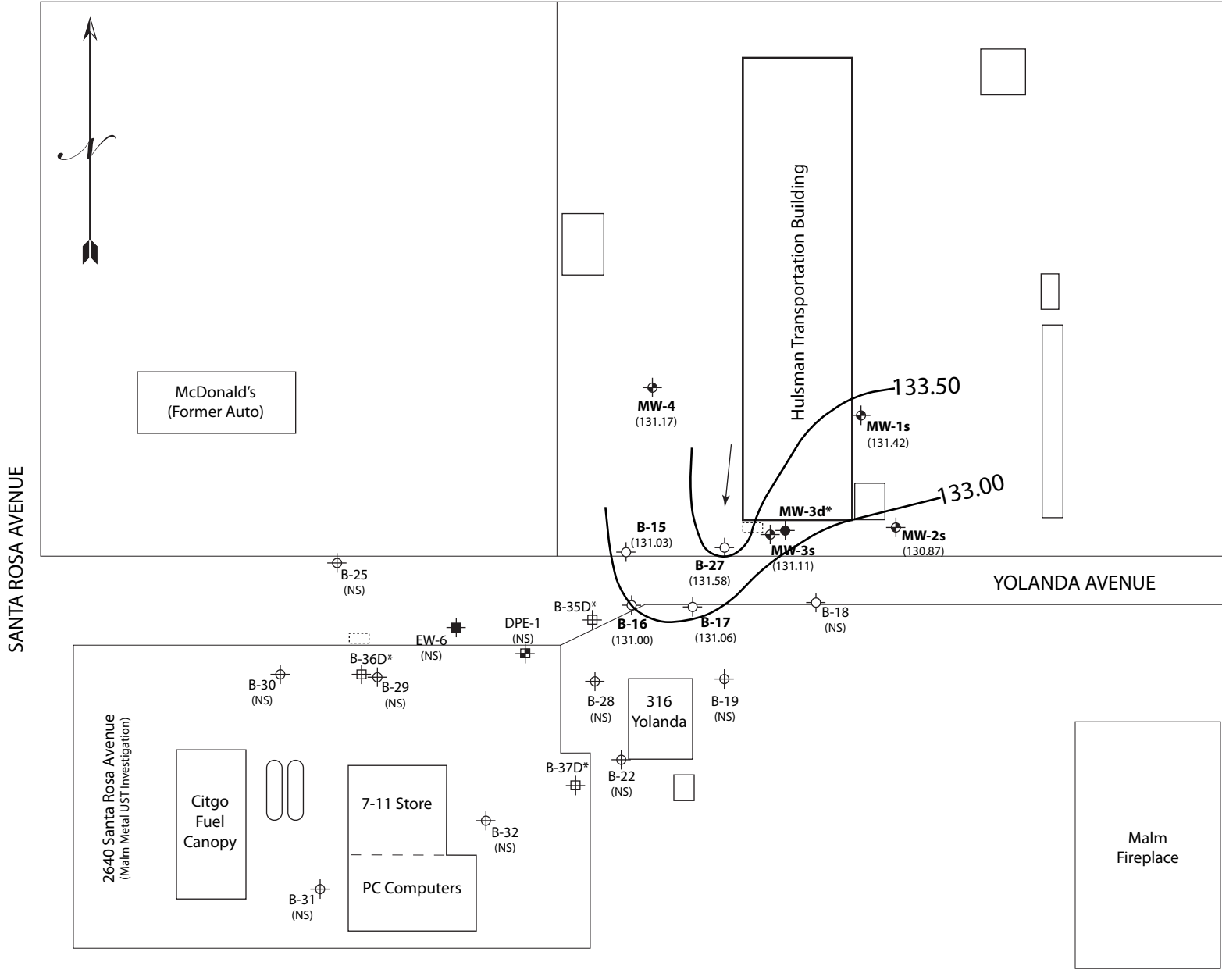
| EXPLANATION |  |
|-------------|--|
| (CL)        | Clay with silt and fine sand                         |
| (ML)        | Fine sand and silt with clay                         |
| (SM)        | Silty fine sand with clay and intermixed coarse sand |
| (SC)        | Sand with silt, clay, and gravel                     |
| (GC)        | Gravel with sand, silt and clay                      |
|             | Soil boring, log reviewed                            |
|             | Well screen interval                                 |
|             | DTW measured March 2012                              |
|             | Estimated March 2012 static potentiometric surface   |
| ?           | Uncertainty  |



CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
DEC 2016

**GENERALIZED GEOLOGIC CROSS SECTION B-B'**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE  
7



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊙ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- \* Monitoring well not included in gradient determination
- ⋯ FORMER UST Location
- ▭ CURRENT UST Location
- ↗ General Groundwater Gradient Direction

**NOTES:** NS = Not Sampled; GWE listed in parentheses adjacent to Well ID



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

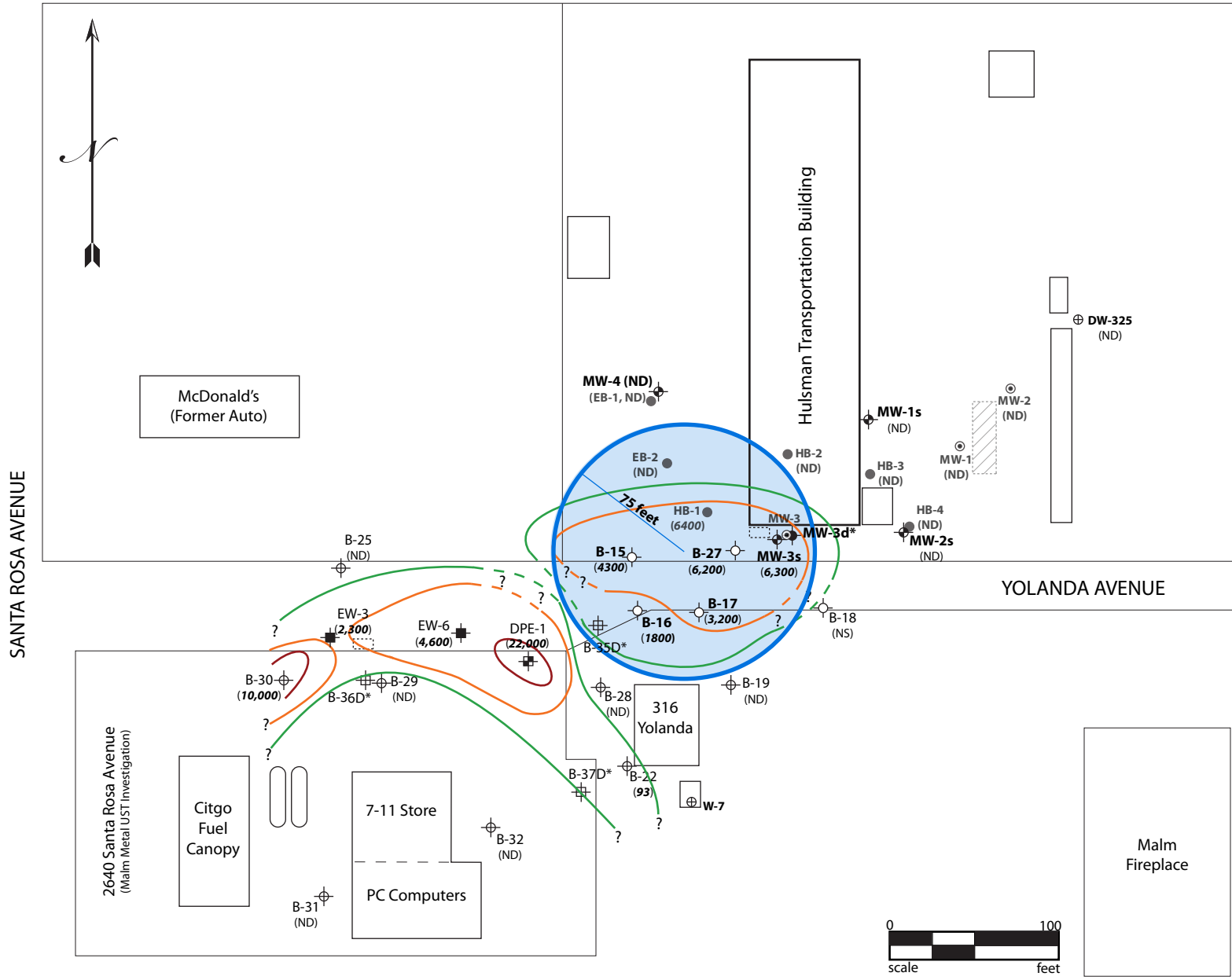
Serving Northern California Since 1989  
www.EGSconsultants.com O/F: 707-528-0810  
M: 707-953-1020

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
DEC 2016

**2015 SHALLOW GRADIENT MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
8



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊙ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA

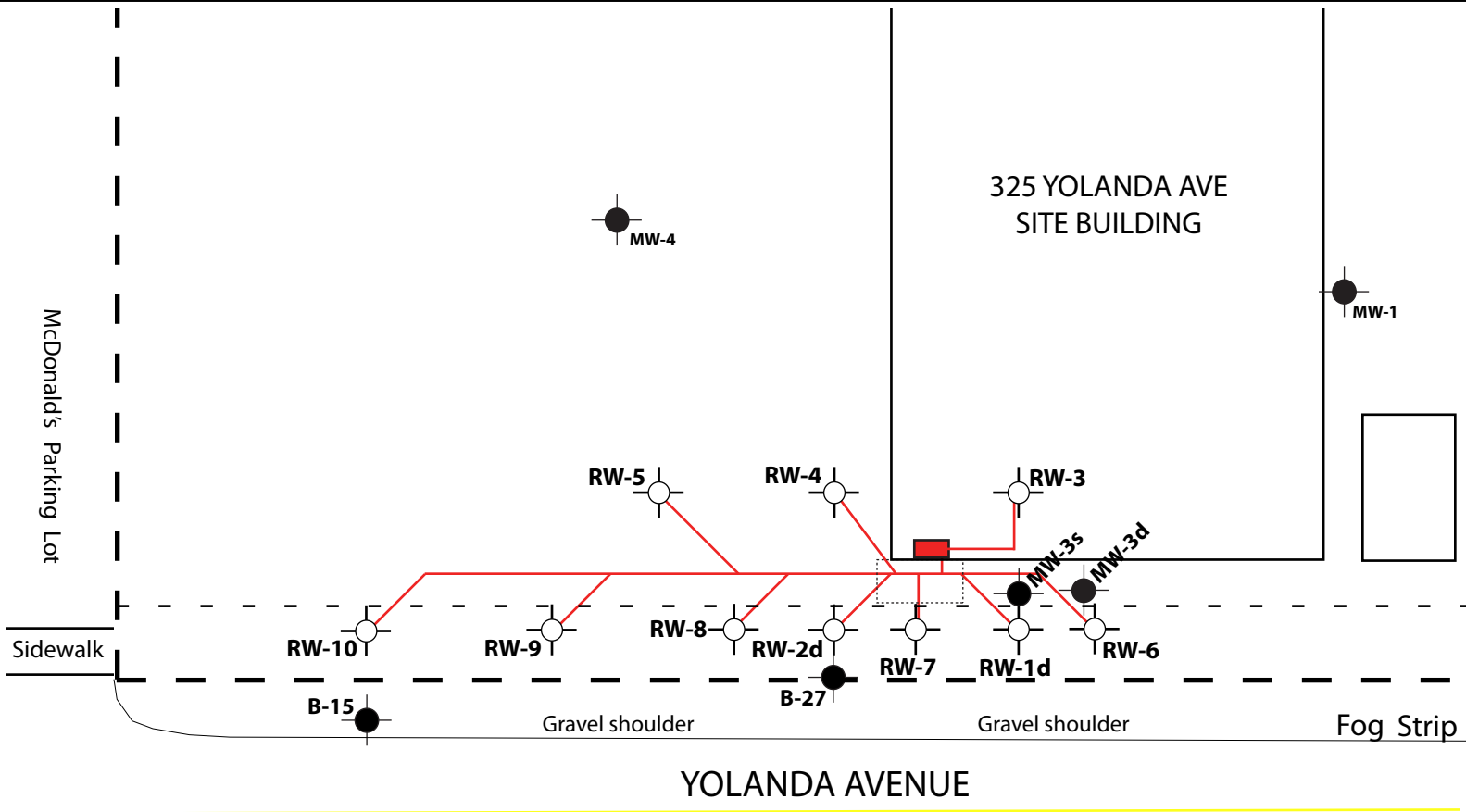
- TPH-G Concentration: 10,000 ppb (ug/L)
- TPH-G Concentration: 2,500 ppb (ug/L)
- TPH-G Concentration: 50 ppb (ug/L)
- ? Contour incomplete due to data gap
- \* Deeper Groundwater Aquifer Monitoring well not included in contour determination
- Radius of Impact and Area used for Estimated Contaminant Mass
- ⊕ DW-325 On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB 2016)
- ⊕ W-7 Abandoned Domestic Water Supply well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- FORMER UST Location
- ▨ FORMER DIESEL UST Locations
- CURRENT UST Location

**NOTES:** NS = Not Sampled; ND = Not Detected; TPH-G Concentration (ug/L) in parentheses from most recent well sampling data (Mar/Apr 2015 for Hulsman wells; Sept 2014 for Malm Metal wells DPE-1, EW-3, EW-6), and B-30; Other Malm well data from 2012; Data from HB borings, 1998; Data from EB borings, 2001; MW-1, MW-2, MW-3 - 2001.

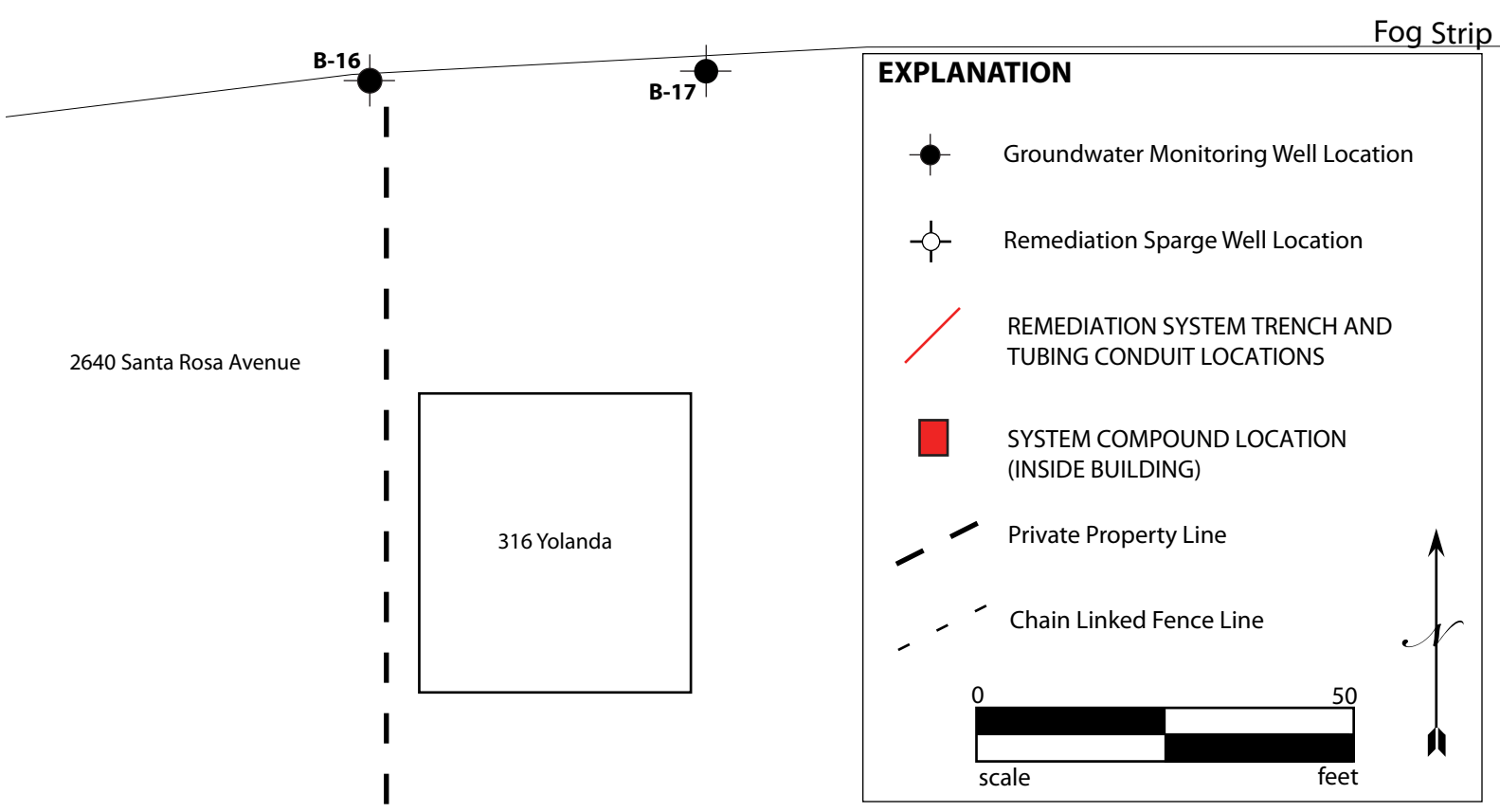
CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: DEC 2016

**TPH-G Contour with Radius of Impact (Mar 2015)**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, CA  
 NC-RWQCB Case#1TSR050







PLATE  
 9

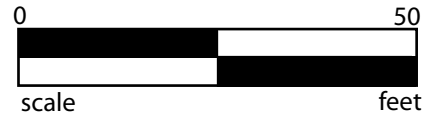


**YOLANDA AVENUE**



**EXPLANATION**

-  Groundwater Monitoring Well Location
-  Remediation Sparge Well Location
-  REMEDIATION SYSTEM TRENCH AND TUBING CONDUIT LOCATIONS
-  SYSTEM COMPOUND LOCATION (INSIDE BUILDING)
-  Private Property Line
-  Chain Linked Fence Line



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: DEC 2016



**AOSS SPARGE WELL LOCATION MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
10





**EXPLANATION**

-  SOIL VAPOR LOCATION
-  Former UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: DEC 2016

**SOIL VAPOR PROBE LOCATION MAP**  
**REVISED LTCP EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
11



**EXPLANATION**

EXISTING DOMESTIC WATER SUPPLY WELL  
DW-325

EXISTING ONSITE MONITORING WELL  
MW-1s

GRADIENT DIRECTION

ABANDONED DOMESTIC WATER SUPPLY WELL  
W-1

EXISTING OFFSITE MONITORING WELL  
B-25



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
DEC 2016

**500-FOOT WELL LOCATION RADIUS MAP**

**REVISED LTCP EVALUATION FOR CASE CLSOURÉ**

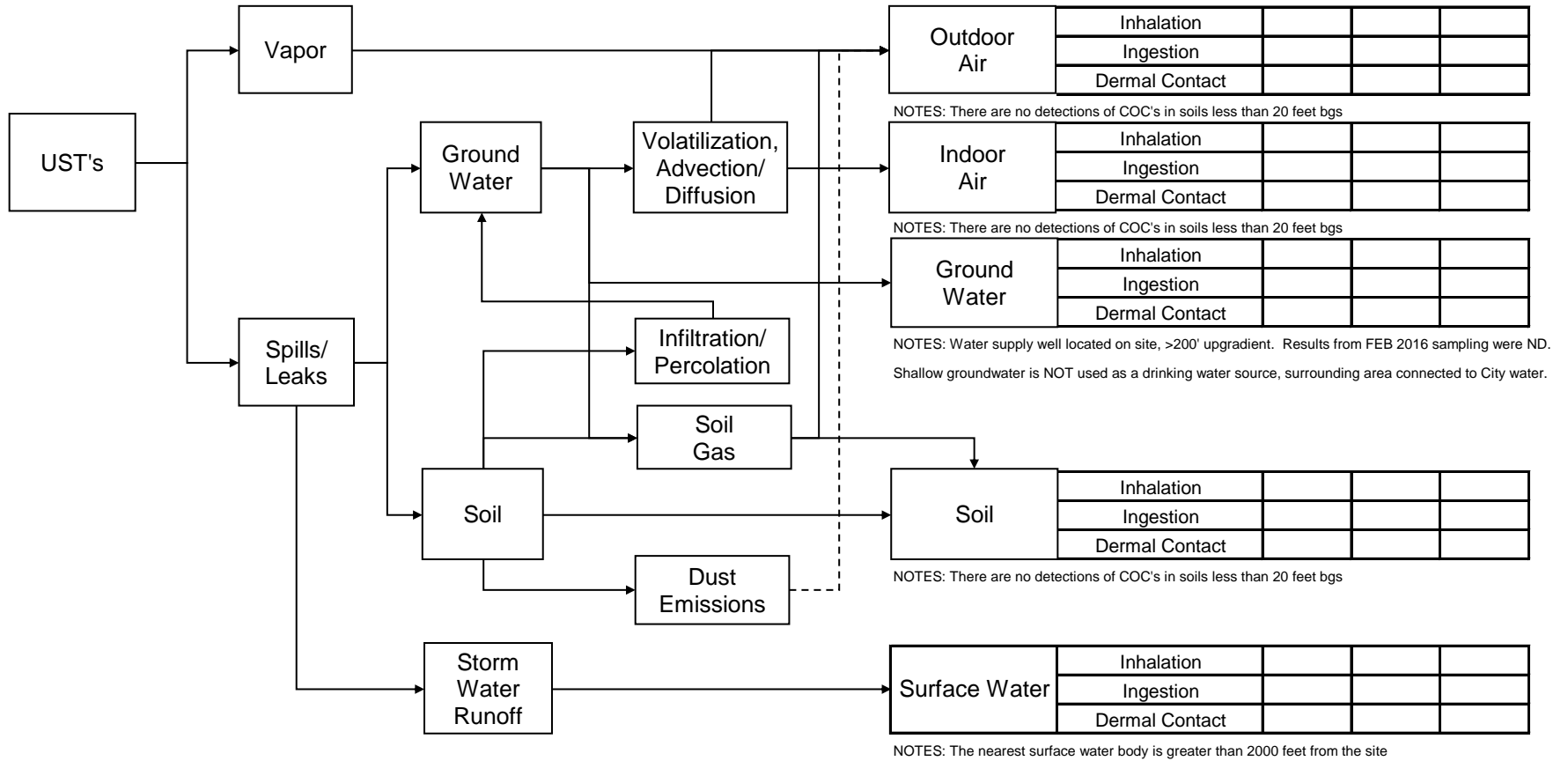
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050

PLATE

12

| PRIMARY CONTAMINANT SOURCES | POTENTIAL RELEASE MECHANISMS | POTENTIAL SECONDARY SOURCES | POTENTIAL RELEASE MECHANISMS |
|-----------------------------|------------------------------|-----------------------------|------------------------------|
|-----------------------------|------------------------------|-----------------------------|------------------------------|

| PATHWAY | EXPOSURE | RECEPTOR |         |          |
|---------|----------|----------|---------|----------|
|         |          | ON-SITE  |         | OFF-SITE |
|         |          | Worker   | Visitor | Visitor  |



**EXPLANATION**

- Pathway is not complete; no evaluation required
- Pathway is or might be complete but is judged to be minor
- Pathway is or might be complete and could be significant

## **APPENDIX B**

### ***Analytical Summary Tables***

| TABLE 1: Historical Summary of Analytical Results for On Site MW's MW-1s, MW-2s, MW-3s, MW-4 |           |       |         |         |               |               |        |       |
|--|-----------|-------|---------|---------|---------------|---------------|--------|-------|
| Date   | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE   | DTW   |
| 11/30/2004   | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 13.67 |
| 2/9/2005   | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 8.98  |
| 11/29/2007   | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 12.14 |
| 3/1/2010   | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<5.0 | 8.13  |
| 10/18/2011   | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 11.62 |
| 3/27/2012  | MW-1s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 8.42  |
| 3/12/2014  | MW-1s     | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | 1.2           | ND<1.0 | 9.43  |
| 3/31/2015  | MW-1s     | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | 10.92 |
| 11/30/2004   | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 13.31 |
| 2/9/2005   | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 8.95  |
| 11/29/2007   | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 11.86 |
| 3/1/2010   | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<5.0 | 7.81  |
| 10/18/2011   | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 11.21 |
| 3/27/2012  | MW-2s     | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 7.91  |
| 3/12/2014  | MW-2s     | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | 1             | ND<1.0 | 8.71  |
| 3/31/2015  | MW-2s     | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | 10.99 |
| 11/30/2004   | MW-3s     | 19000 | 630     | 190     | 2000          | 5800          | 33     | 13.16 |
| 2/9/2005   | MW-3s     | 17000 | 1700    | 290     | 4700          | 13000         | ND<250 | 8.59  |
| 11/29/2007   | MW-3s     | 23000 | 610     | ND<5.0  | 1500          | 1400          | ND<250 | 11.71 |
| 3/1/2010   | MW-3s     | 16000 | 550     | 62      | 970           | 790           | ND<180 | 7.73  |
| 10/18/2011   | MW-3s     | 5700  | 180     | ND<2.5  | 370           | 200           | ND<12  | 11.17 |
| 3/28/2012  | MW-3s     | 7100  | 260     | ND      | 530           | 290           | ND<12  | 7.91  |
| 10/5/2012  | MW-3s     | 9200  | 340     | 7.3     | 870           | 590           | ND<12  | 12.33 |
| 3/12/2014  | MW-3s     | 6600  | 400     | ND      | 380           | 110           | ND<10  | 8.74  |
| 6/12/2014  | MW-3s     | 750   | 11      | 2.6     | 4.8           | 34            | ND<2.5 | 10.62 |
| 9/16/2014  | MW-3s     | 230   | 3.9     | ND<0.5  | 9.6           | 27            | ND<2.5 | 13.35 |
| 3/31/2015  | MW-3s     | 6300  | 220     | 16      | 280           | 333           | ND<5.0 | 10.71 |
| 9/26/2001  | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<0.5        | ND<2.5 | 16.84 |
| 11/30/2004   | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 12.16 |
| 2/9/2005   | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 7.42  |
| 11/29/2007   | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 10.76 |
| 3/1/2010   | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<5.0 | 6.59  |
| 10/18/2011   | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 10.22 |
| 3/27/2012  | MW-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 6.81  |
| 3/12/2014  | MW-4      | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | 7.78  |
| 3/31/2015  | MW-4      | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | 9.61  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 2: Historical Summary of Analytical Results for On Site MW-3d and Off Site MW B-15**

| Date       | Sample ID | TPH-G   | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE   | DTW   |
|------------|-----------|---|---------|---------|---------------|---------------|--------|-------|
| 11/30/2004 | MW-3d     | 1100  | 89      | 3.8     | 34            | 8.8           | 19     | 13.05 |
| 2/9/2005   | MW-3d     | 1800  | 370     | 14      | 40            | 6.5           | ND<2.5 | 8.46  |
| 11/29/2007 | MW-3d     | 850   | 14      | 1.8     | ND<0.5        | 1.5           | ND<2.5 | 11.62 |
| 3/1/2010   | MW-3d     | 240   | 2.1     | 8.3     | ND<0.5        | ND<0.5        | ND<20  | 7.52  |
| 10/18/2011 | MW-3d     | 480   | 4.7     | ND<0.5  | ND<0.5        | ND<1.5        | 8.7    | 11.00 |
| 3/28/2012  | MW-3d     | ND<50   | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | 6.8    | 7.69  |
| 10/5/2012  | MW-3d     | 170   | 2.2     | 2.1     | 0.58          | 1.7           | 11     | 12.37 |
| 3/12/2014  | MW-3d     | 220   | ND<1.0  | ND<1.0  | 4.0           | 1.9           | 11     | 8.63  |
| 6/12/2014  | MW-3d     | 75  | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | 7.0    | 10.93 |
| 9/16/2014  | MW-3d     | ND<50   | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | 5.3    | 13.72 |
| 4/1/2015   | MW-3d     | 200   | ND<1.0* | ND<1.0  | ND<1.0        | ND<1.0        | 6.2    | 10.79 |
| 6/18/1990  | B-15      | 45000   | 12000   | 7900    | 1600          | 6600          | NA     | 21.15 |
| 6/6/1996   | B-15      | 1800  | 160     | 16      | 86            | 74            | NA     | 11.3  |
| 4/25/1997  | B-15      | 180   | 1.4     | 0.67    | 0.81          | ND            | NA     | 12.9  |
| 11/11/1998 | B-15      | 240   | 15      | 1.7     | 4.8           | 3.8           | NA     | 14.7  |
| 2/16/1999  | B-15      | 290   | 14      | 2       | 4.6           | 3.1           | NA     | 11.5  |
| 7/11/2000  | B-15      | 260   | 40      | 1.5     | 0.5           | 1.4           | NA     | 11.57 |
| 11/14/2000 | B-15      | 5700  | 190     | 190     | 380           | 680           | NA     | 12.94 |
| 5/16/2001  | B-15      | 480   | 32      | 1       | 1.2           | 2.3           | NA     | 11.06 |
| 9/26/2001  | B-15      | 770   | 220     | 310     | 570           | 1500          | NA     | 15.1  |
| 8/12/2004  | B-15      | 7400  | 1300    | 470     | 300           | 590           | NA     | 11.32 |
| 11/23/2001 | B-15      | 910   | 140     | 8.8     | 22            | 12            | NA     | 11.56 |
| 3/9/2005   | B-15      | 11000   | 2000    | 110     | 390           | 220           | NA     | 5.68  |
| 10/31/2005 | B-15      | 5900  | 720     | 98      | 110           | 150           | NA     | 10.21 |
| 6/1/2006   | B-15      | 11000   | 1800    | 70      | 530           | 170           | NA     | 6.85  |
| 9/26/2006  | B-15      | 13000   | 2200    | 220     | 460           | 380           | NA     | 10.29 |
| 12/20/2006 | B-15      | 11000   | 2000    | 240     | 420           | 480           | NA     | 7.8   |
| 7/19/2007  | B-15      | 8300  | 1100    | 24      | 130           | 29            | NA     | 9.05  |
| 9/3/2008   | B-15      | 11000   | 1600    | 95      | 220           | 100           | NA     | 11.11 |
| 4/13/2012  | B-15      | Well located, determined to be in good repair, and new Christy box installed. |         |         |               |               |        |       |
| 4/25/2012  | B-15      | 4900  | 170     | 29      | 95            | 35            | ND     | 5.95  |
| 10/4/2012  | B-15      | 1500  | 81      | 7.8     | 10            | 9.0           | ND<12  | 10.26 |
| 3/12/2014  | B-15      | 1100  | 110     | 12      | 57            | 18.8          | ND<1.0 | 6.81  |
| 6/12/2014  | B-15      | 110   | 2.8     | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 7.92  |
| 9/16/2014  | B-15      | ND<50   | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 11.51 |
| 4/1/2015   | B-15      | 4300  | 540     | 32      | 11            | 26.4          | ND<1.0 | 8.86  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

\*There were also detections of chlorinated solvents in this well related to the adjacent site to the south.

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 3: Historical Summary of Analytical Results for Off Site MW B-16**

| Date       | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE   | DTW   |
|------------|-----------|-------|---------|---------|---------------|---------------|--------|-------|
| 12/13/1989 | B-16      | 43000 | 10000   | 10000   | 900           | 4600          | NA     | --    |
| 6/7/1996   | B-16      | 10000 | 330     | 330     | 590           | 1100          | NA     | 11.92 |
| 4/25/1997  | B-16      | 4700  | 150     | 150     | 290           | 320           | NA     | 13.33 |
| 11/12/1998 | B-16      | 2200  | 55      | 55      | 120           | 130           | NA     | 15.71 |
| 2/15/1999  | B-16      | 960   | 14      | 14      | 43            | 45            | NA     | 12.13 |
| 7/11/2000  | B-16      | 3800  | 86      | 86      | 210           | 110           | NA     | 12.13 |
| 11/14/2000 | B-16      | 1800  | 31      | 31      | 110           | 120           | NA     | 13.41 |
| 5/16/2001  | B-16      | 2100  | 35      | 35      | 170           | 190           | NA     | 11.6  |
| 9/26/2001  | B-16      | 3900  | 52      | 52      | 270           | 210           | NA     | 15.68 |
| 8/12/2004  | B-16      | 5000  | 150     | 150     | 250           | 260           | NA     | 11.86 |
| 11/23/2004 | B-16      | 1200  | 85      | 85      | 17            | 14            | NA     | 11.66 |
| 3/9/2005   | B-16      | 1400  | 270     | 270     | 47            | 14            | NA     | 6.26  |
| 10/31/2005 | B-16      | 5400  | 870     | 870     | 200           | 75            | NA     | 10.24 |
| 6/1/2006   | B-16      | 1400  | 130     | 130     | 0.72          | 13            | NA     | 7.57  |
| 9/25/2006  | B-16      | 1900  | 350     | 350     | 53            | 5.8           | NA     | 10.96 |
| 12/20/2006 | B-16      | 290   | 99      | 99      | 2.1           | 0.89          | NA     | 8.41  |
| 7/16/2007  | B-16      | 820   | 31      | 31      | 6.2           | 1.1           | NA     | 9.65  |
| 9/20/2007  | B-16      | 210   | 40      | 40      | 5.9           | 1             | NA     | 10.91 |
| 1/7/2008   | B-16      | 99    | 4       | 4       | 1.3           | ND            | NA     | 7.33  |
| 9/3/2008   | B-16      | 500   | 5.6     | 5.6     | 1.7           | 1.5           | NA     | 11.27 |
| 10/19/2011 | B-16      | 2600  | 190     | ND<0.5  | 15            | 11            | ND<2.5 | 9.84  |
| 3/28/2012  | B-16      | ND<50 | 1.2     | ND<0.5  | 0.9           | ND<1.5        | ND<2.5 | 6.61  |
| 10/4/2012  | B-16      | 220   | 14      | 3.0     | 1.5           | 2.8           | ND<2.5 | 10.85 |
| 3/12/2014  | B-16      | 160   | 2.4     | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | 7.44  |
| 6/12/2014  | B-16      | 790   | 26      | 1.0     | 0.89          | ND<1.5        | ND<2.5 | 9.04  |
| 9/16/2014  | B-16      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 12.02 |
| 4/1/2015   | B-16      | 1800  | 130     | 6.6     | 3.0           | 3.6           | ND<1.0 | 9.49  |
| 11/12/1998 | B-17      | 49000 | 3300    | 530     | 1400          | 2900          | NA     | 16.2  |
| 2/15/1999  | B-17      | 24000 | 3600    | 710     | 1400          | 2500          | NA     | 12.5  |
| 7/11/2000  | B-17      | 4700  | 1700    | 220     | 570           | 1300          | NA     | 8.99  |
| 11/14/2000 | B-17      | 17000 | 1600    | 330     | 960           | 1100          | NA     | 12.57 |
| 5/16/2001  | B-17      | 7200  | 530     | 120     | 470           | 600           | NA     | 13.99 |
| 9/26/2001  | B-17      | 15000 | 1300    | 310     | 1100          | 1200          | NA     | 11.98 |
| 8/12/2004  | B-17      | 8800  | 530     | 83      | 930           | 390           | NA     | 16.17 |
| 11/23/2004 | B-17      | 870   | 28      | 3.4     | 5.2           | 3.4           | NA     | 12.27 |
| 3/9/2005   | B-17      | 1000  | 130     | 12      | 24            | 26            | NA     | 12.04 |
| 10/31/2005 | B-17      | 12000 | 2400    | 67      | 550           | 320           | NA     | 6.59  |
| 6/1/2006   | B-17      | 4400  | 960     | 7.3     | 56            | 12            | NA     | 11.07 |
| 9/25/2006  | B-17      | 12000 | 2000    | 60      | 220           | 310           | NA     | 7.87  |
| 12/20/2006 | B-17      | 14000 | 1800    | 52      | 260           | 70            | NA     | 11.3  |
| 7/16/2007  | B-17      | 5600  | 800     | 13      | 32            | 20            | NA     | 8.71  |
| 9/20/2007  | B-17      | 7300  | 1100    | 8       | 22            | 9.6           | NA     | 10.02 |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 4: Historical Summary of Analytical Results for Off Site MW's B-17 (Cont) & B-27 as well as historic soil borings HB-1 through HB-4 and EB-1 and EB-2 and DW-325**

| Date       | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE   | DTW   |
|------------|-----------|-------|---------|---------|---------------|---------------|--------|-------|
| 1/7/2008   | B-17      | 4600  | 460     | 5.6     | 13            | 14            | NA     | 7.69  |
| 9/3/2008   | B-17      | 11000 | 390     | 8.7     | 40            | 16            | NA     | 11.98 |
| 10/19/2011 | B-17      | 3300  | 280     | ND<2.5  | 39            | 23            | ND<12  | 10.21 |
| 3/28/2012  | B-17      | 6300  | 140     | ND<2.5  | 11            | 21            | ND<12  | 6.94  |
| 10/4/2012  | B-17      | 3100  | 180     | 4.0     | 11            | 10            | ND<12  | 11.31 |
| 3/12/2014  | B-17      | 2300  | 48      | 1.9     | 4.0           | 5.0           | 3.7    | 7.78  |
| 6/12/2014  | B-17      | 700   | 7.6     | ND<0.5  | 0.6           | 1.7           | 16     | 9.23  |
| 9/16/2014  | B-17      | 420   | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | 12.37 |
| 4/1/2015   | B-17      | 3200  | 66      | 5.6     | 3.5           | 7.4           | ND<1.0 | 9.78  |
| 9/26/2001  | B-27      | 67000 | 1400    | 2300    | 4600          | 18000         | NA     | 15.65 |
| 8/12/2004  | B-27      | 38000 | 850     | 210     | 3100          | 8900          | NA     | 11.22 |
| 11/23/2004 | B-27      | 25000 | 280     | 90      | 1800          | 5500          | NA     | 10.99 |
| 3/9/2005   | B-27      | 25000 | 370     | 63      | 1600          | 4400          | NA     | 5.44  |
| 10/31/2005 | B-27      | 36000 | 740     | 110     | 2200          | 5700          | NA     | 10.34 |
| 6/1/2006   | B-27      | 24000 | 610     | 57      | 1600          | 3200          | NA     | 6.67  |
| 9/26/2006  | B-27      | 23000 | 650     | 100     | 1800          | 3500          | NA     | 10.11 |
| 12/20/2006 | B-27      | 18000 | 460     | 58      | 1300          | 2800          | NA     | 7.75  |
| 9/21/2007  | B-27      | 24000 | 610     | 59      | 1400          | 1700          | NA     | 10.19 |
| 9/9/2008   | B-27      | 15000 | 560     | 52      | 1200          | 940           | NA     | --    |
| 10/18/2011 | B-27      | 7600  | 610     | 63      | 980           | 580           | ND<25  | 9.15  |
| 3/28/2012  | B-27      | 5000  | 250     | ND<5.0  | 130           | 54            | ND<25  | 5.86  |
| 3/12/2014  | B-27      | 5000  | 280     | 14      | 620           | 220           | 17     | 6.73  |
| 6/12/2014  | B-27      | 6000  | 300     | 3.5     | 280           | 400           | ND<2.5 | 8.57  |
| 9/16/2014  | B-27      | 4300  | 120     | ND<1.0  | 130           | 360           | ND<5.0 | 11.46 |
| 4/1/2015   | B-27      | 6200  | 250     | 11      | 470           | 190           | 13     | 6.68  |
| 5/20/1998  | HB-1      | 6400  | 1800    | 22      | 300           | 43            | ND<10  | 9.9   |
| 5/20/1998  | HB-2      | ND<50 | 1.1     | ND<0.5  | ND<0.5        | ND<0.5        | ND<5.0 | 11.1  |
| 5/20/1998  | HB-3      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<0.5        | ND<5.0 | 11.3  |
| 5/20/1998  | HB-4      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<0.5        | ND<5.0 | 11.6  |
| 4/10/2001  | EB-1      | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<0.5        | ND<2.5 | 14.5  |
| 4/10/2001  | EB-2      | 67.7  | ND<0.5  | ND<0.5  | ND<0.5        | ND<0.5        | ND<2.5 | 17    |
| 4/14/1989  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND     | NM    |
| 5/23/1990  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND     | NM    |
| 10//19/11  | DW-325    | ND<50 | ND<0.5  | ND<0.5  | ND<0.5        | ND<1.5        | ND<2.5 | NM    |
| 2/29/2016  | DW-325    | ND<50 | ND<1.0  | ND<1.0  | ND<1.0        | ND<1.0        | ND<1.0 | NM    |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit; NM = Not Measured

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.



**TABLE 5: Historical Summary of Analytical Results for Older On Site Wells MW-1, MW-2, MW-3**

| Date       | Sample ID | TPH-G     | TPH-D   | TPH-MO      | Benzene     | Toluene     | Ethylbenzene | Xylenes     |
|------------|-----------|-----------|---------|-------------|-------------|-------------|--------------|-------------|
| 12/7/1988  | MW-1      | NA        | ND<0.05 | <b>0.26</b> | ND<0.5      | ND<1.5      | ND<0.5       | ND<1.5      |
| 4/14/1989  | MW-1      | NA        | ND<0.05 | ND<0.05     | ND<0.5      | ND<0.5      | ND<1.5       | ND<1.5      |
| 7/14/1989  | MW-1      | NA        | ND<0.05 | ND<0.05     | ND<0.5      | ND<0.5      | ND<1.5       | ND<1.5      |
| 10/25/1989 | MW-1      | NA        | ND<0.05 | ND<0.05     | ND<0.5      | ND<0.5      | ND<1.5       | ND<1.5      |
| 10/25/1989 | MW-1      | NA        | ND<0.05 | ND<0.05     | ND<0.5      | ND<0.5      | ND<1.5       | ND<1.5      |
| 12/3/1996  | MW-1      | ND<0.05   | NA      | NA          | ND<0.5      | ND<0.5      | ND<0.5       | ND<0.5      |
| 9/26/2001  | MW-1      | ND<0.05   | NA      | NA          | ND<0.5      | ND<0.5      | ND<0.5       | ND<0.5      |
| 5/9/1990   | MW-2      | NA        | ND<0.05 | ND<0.5      | <b>23</b>   | <b>83</b>   | <b>9.6</b>   | <b>88</b>   |
| 6/8/1990   | MW-2      | ND<0.05   | ND<0.05 | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5       | ND<0.5      |
| 12/3/1996  | MW-2      | ND<0.05   | NA      | NA          | ND<0.5      | ND<0.5      | ND<0.5       | ND<0.5      |
| 9/26/2001  | MW-2      | ND<0.05   | NA      | NA          | ND<0.5      | ND<0.5      | ND<0.5       | ND<0.5      |
| 1/30/1992  | MW-3      | <b>13</b> | NA      | NA          | <b>2200</b> | <b>200</b>  | <b>650</b>   | <b>1100</b> |
| 12/3/1996  | MW-3      | <b>43</b> | NA      | NA          | <b>4100</b> | <b>3100</b> | <b>3000</b>  | <b>9900</b> |
| 5/20/1998  | MW-3      | <b>34</b> | NA      | NA          | <b>2400</b> | <b>1300</b> | <b>2000</b>  | <b>5800</b> |
| 9/26/2001  | MW-3      | <b>3</b>  | NA      | NA          | <b>170</b>  | <b>76</b>   | <b>260</b>   | <b>770</b>  |

NOTES: Source data prior to October 2011 from ECON, ECA, Sierra, Hilmer, and Herzog

ND = Not Detected above stated reported detection limit, NA = Not Analyzed

Reported units are in parts per million (or ppm, mg/L) for TPH-D/MO and parts per billion (or ppb, ug/L) for BTEX.

\* = BT Soil Borings were batched by the laboratory for analysis and testing during the CAP Bench Test

**TABLE 6: Historical Summary of Analytical Results from Site Excavation Samples and Older MW's**

| Date       | Sample ID   | Source | TPHG       | TPHD        | TPHMO | Benzene     | Toluene    | Ethylbenz  | Xylenes    | MTBE      |
|------------|-------------|--------|------------|-------------|-------|-------------|------------|------------|------------|-----------|
| 10/4/88    | SN-1        | KF     | NA         | ND<10       | ND<10 | ND<2        | ND<2       | ND<2       | ND<2       | NA        |
| 10/4/88    | SM-1B       | KF     | NA         | <b>3100</b> | ND<10 | ND<2        | ND<2       | ND<2       | ND<2       | NA        |
| 10/4/88    | SM-1A       | KF     | NA         | <b>680</b>  | ND<10 | ND<2        | ND<2       | ND<2       | ND<2       | NA        |
| 10/4/88    | SS-1        | KF     | NA         | <b>60</b>   | ND<10 | ND<2        | ND<2       | ND<2       | ND<2       | NA        |
| 10/21/88   | SM-1b-1 16' | NET    | NA         | ND<10       | ND<10 | NA          | NA         | NA         | NA         | NA        |
| 10/21/88   | SM-1a-1 16' | NET    | NA         | ND<10       | ND<10 | NA          | NA         | NA         | NA         | NA        |
| 10/21/88   | SS-1-1 14'  | NET    | NA         | ND<10       | ND<10 | NA          | NA         | NA         | NA         | NA        |
| 10/18/91   | EX-1d23     | Sierra | <b>15</b>  | NA          | NA    | <b>700</b>  | <b>230</b> | <b>84</b>  | <b>360</b> | NA        |
| 10/18/91   | EX-2d12     | Sierra | ND<1.0     | NA          | NA    | ND<0.0025   | ND<0.0025  | ND<0.0025  | ND<0.0025  | ND<0.0025 |
| 10/18/91   | EX-3d12     | Sierra | ND<1.0     | NA          | NA    | ND<0.0025   | ND<0.0025  | ND<0.0025  | ND<0.0025  | ND<0.0025 |
| 10/18/91   | EX-4d12     | Sierra | ND<1.0     | NA          | NA    | ND<0.0025   | ND<0.0025  | ND<0.0025  | ND<0.0025  | ND<0.0025 |
| 10/18/91   | EX-5d12     | Sierra | ND<1.0     | NA          | NA    | ND<0.0025   | ND<0.0025  | ND<0.0025  | ND<0.0025  | ND<0.0025 |
| 11/29/1988 | MW-1d15     | Herzog | NA         | ND<10       | ND<10 | ND<2.5      | ND<2.5     | ND<3.0     | ND<3.0     | NA        |
| 4/27/1990  | MW-2d21     | Hilmer | NA         | ND<1.0      | ND<10 | ND<2.5      | ND<2.5     | ND<2.5     | ND<2.5     | NA        |
| 4/27/1990  | MW-2d31     | Hilmer | NA         | ND<1.0      | ND<10 | ND<2.5      | ND<2.5     | ND<2.5     | ND<2.5     | NA        |
| 1/27/1992  | MW-3d6      | Sierra | ND<1.0     | NA          | NA    | <b>3.9</b>  | <b>7.8</b> | <b>2.4</b> | <b>15</b>  | NA        |
| 1/27/1992  | MW-3d16     | Sierra | ND<1.0     | NA          | NA    | <b>12</b>   | ND<2.5     | ND<2.5     | ND<2.5     | NA        |
| 1/27/1992  | MW-3d28.5   | Sierra | <b>1</b>   | NA          | NA    | <b>230</b>  | <b>4</b>   | <b>56</b>  | <b>44</b>  | NA        |
| 1/27/1992  | MW-3d31     | Sierra | <b>6.2</b> | NA          | NA    | <b>1600</b> | ND<2.5     | <b>580</b> | <b>670</b> | NA        |
| 1/27/1992  | MW-3d39     | Sierra | ND<1.0     | NA          | NA    | <b>25</b>   | ND<2.5     | <b>5.2</b> | <b>11</b>  | NA        |

NOTES: Source data prior to October 2011 from ECON, ECA, Sierra, Hilmer, Herzog, Kleinfelder (KF)

ND = Not Detected above reported detection limit, NA = Not Analyzed

Reported units are in mg/kg for TPH and ug/kg for BTEX/MTBE.

| TABLE 7: Historical Summary of Analytical Results from Site Soil Boring Samples |                   |        |            |             |            |               |           |            |
|---|-------------------|--------|------------|-------------|------------|---------------|-----------|------------|
| Date  | Sample ID         | Source | TPH-G      | Benzene     | Toluene    | Ethyl-benzene | Xylenes   | MTBE       |
| 5/20/1998   | HB-1/11-11.5      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-1/16-16.5      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-2/11-11.5      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-2/15.5-16      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-2/20.5-21      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-3/10.5-11      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-3/15.5-16      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-4/11-11.5      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 5/20/1998   | HB-4/15.5-16      | ECA    | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 4/17/2001   | MW-4d6            | ECON   | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | NA         |
| 4/17/2001   | MW-4d11           | ECON   | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 4/17/2001   | MW-4d16           | ECON   | ND<1.0     | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.005  | ND<0.05    |
| 11/15/2004  | MW-1Sd5.5         | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/15/2004  | MW-1Sd15.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/15/2004  | MW-1Sd25.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/15/2004  | MW-2Sd5.5         | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/15/2004  | MW-2Sd15.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/15/2004  | MW-2Sd25.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/17/2004  | MW-3Sd5.5         | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 11/17/2004  | MW-3Sd15.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | <b>2.3</b> |
| 11/17/2004  | MW-3Sd25.5        | ECON   | <b>110</b> | <b>0.63</b> | <b>0.6</b> | <b>3.6</b>    | <b>12</b> | ND<100     |
| 11/17/2004  | MW-3Dd30.5        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | <b>8.6</b> |
| 11/17/2004  | MW-3Dd35.0        | ECON   | ND<0.005   | ND<0.005    | ND<0.005   | ND<0.005      | ND<0.015  | ND<25      |
| 12/19/2012  | BT-1d3, 4         | EGS    | ND<4.0**   | ND<0.02**   | ND<0.02**  | ND<0.02**     | ND<0.02** | ND<0.02**  |
| 12/19/2012  | BT-2d5,5.5,9      | EGS    |            |             |            |               |           |            |
| 12/19/2012  | BT-3d3,4,5,6      | EGS    |            |             |            |               |           |            |
| 12/19/2012  | BT-3d8,8.5,11     | EGS    |            |             |            |               |           |            |
| 12/19/2012  | BT-3d11.5,16,16.5 | EGS    |            |             |            |               |           |            |
| 12/19/2012  | BT-4d6.5,7,9      | EGS    |            |             |            |               |           |            |
| 12/19/2012  | BT-4d14.5,16      | EGS    |            |             |            |               |           |            |
| Date  | Sample ID         | Source | TPH-G      | Benzene     | Toluene    | Ethyl-benzene | Xylenes   | Oxygen     |
| 8/4/2016  | SV-1              | EGS    | ND<10000   | 37          | ND<200     | ND<100        | ND<200    | 17%        |
| 8/4/2016  | SV-2              | EGS    | ND<10000   | ND<35       | ND<200     | ND<100        | ND<200    | 20%        |
| 8/4/2016  | SV-3              | EGS    | ND<10000   | ND<35       | ND<200     | ND<100        | ND<200    | 9.90%      |
| 8/4/2016  | SV-4              | EGS    | ND<10000   | 36          | ND<200     | ND<100        | ND<200    | 16%        |
| 8/4/2016  | SV-5              | EGS    | ND<10000   | 57          | ND<200     | ND<100        | ND<200    | 19%        |
| 8/4/2016  | SV-6              | EGS    | ND<10000   | ND<35       | ND<200     | ND<100        | ND<200    | 17%        |
| 8/4/2016  | SV-7              | EGS    | ND<10000   | 57          | ND<200     | ND<100        | ND<200    | 20%        |
| 8/4/2016  | SV-8              | EGS    | ND<10000   | ND<35       | ND<200     | ND<100        | ND<200    | 18%        |

NOTES: Source data prior to October 2011 from ECON, ECA, Sierra, Hilmer, Herzog, Kleinfelder

ND = Not Detected above reported detection limit, NA = Not Analyzed

Reported units are in ug/kg for TPH-G and BTEX/MTBE, and ug/m<sup>3</sup> for "SV" samples.

\*\* = BT Soil Borings were batched by the laboratory for analysis and testing during the CAP Bench Test

**TABLE 8: Site Monitoring Well Construction Details**

| Well ID | Install Date | Total Depth (ft) | Boring Diameter (in) | Well Casing Diameter (in) | Screen Size (in)     | Screened Interval (ft) | Sand Pack Interval (ft) | TOC Elevation (ft-MSL) |
|---------|--------------|------------------|----------------------|---------------------------|----------------------|------------------------|-------------------------|------------------------|
| MW-1    | Feb-89       | 46.5             | 8                    | 2                         | 0.02                 | 24 to 46.5             | 23.8 to 46.5            | 145.14                 |
| MW-2    | Apr-90       | 53               | 8                    | 2                         | NA                   | NA                     | NA                      | 144.63                 |
| MW-3    | Jan-92       | 39.5             | 8                    | 2                         | 0.02                 | 22 to 39.5             | 20 to 39.5              | 144.14                 |
| MW-4    | Apr-01       | 25               | 8                    | 2                         | 0.01                 | 5 to 25                | 4 to 25                 | 140.78                 |
| MW-1s   | Nov-04       | 26.5             | 8                    | 2                         | 0.01                 | 10 to 25               | 8 to 26.5               | 142.34                 |
| MW-2s   | Nov-04       | 26.5             | 8                    | 2                         | 0.01                 | 10 to 25               | 8 to 26.5               | 141.86                 |
| MW-3s   | Nov-04       | 26.5             | 8                    | 2                         | 0.01                 | 5 to 25                | 4 to 26.5               | 141.82                 |
| MW-3d   | Nov-04       | 36.5             | 8                    | 2                         | 0.01                 | 30 to 35               | 29 to 36.5              | 141.54                 |
| B-15    | NA           | 25               | 8                    | 2                         | 0.02                 | 4 to 25                | 4 to 25                 | 140.01                 |
| B-16    | NA           | 25               | 8                    | 2                         | 0.02                 | 4 to 25                | 4 to 25                 | 140.49                 |
| B-17    | NA           | 25               | 8                    | 2                         | 0.02                 | 4 to 25                | 4 to 25                 | 140.84                 |
| B-18    | NA           | NA               | NA                   | NA                        | NA                   | NA                     | NA                      | NA                     |
| B-27    | Aug-01       | 26.5             | 8                    | 2                         | 0.01                 | 10 to 25               | 9 to 26.5               | 139.78                 |
| RW-1    | Dec-13       | 40               | 8                    | 1                         | 1x12 inch sparge tip | 36 to 37               | 30.5 to 40              | NA                     |
| RW-2    | Dec-13       | 37               | 8                    | 1                         | 1x12 inch sparge tip | 30 to 31               | 27 to 32                | NA                     |
| RW-3    | Dec-13       | 27               | 8                    | 1                         | 1x12 inch sparge tip | 25 to 26               | 22.5 to 27              | NA                     |
| RW-4    | Dec-13       | 27               | 8                    | 1                         | 1x12 inch sparge tip | 22.5 to 23.5           | 22 to 25                | NA                     |
| RW-5    | Dec-13       | 29               | 8                    | 1                         | 1x12 inch sparge tip | 23 to 24               | 21.5 to 26              | NA                     |
| RW-6    | Dec-13       | 24               | 8                    | 1                         | 1x12 inch sparge tip | 20 to 21               | 18 to 24                | NA                     |
| RW-7    | Dec-13       | 24               | 8                    | 1                         | 1x12 inch sparge tip | 20 to 21               | 18 to 24                | NA                     |
| RW-8    | Dec-13       | 25.5             | 8                    | 1                         | 1x12 inch sparge tip | 22 to 23               | 20 to 24                | NA                     |
| RW-9    | Dec-13       | 28               | 8                    | 1                         | 1x12 inch sparge tip | 23.5 to 24.5           | 20.5 to 26              | NA                     |
| RW-10   | Dec-13       | 20               | 8                    | 1                         | 1x12 inch sparge tip | 17.5 to 18.5           | 16.5 to 20              | NA                     |

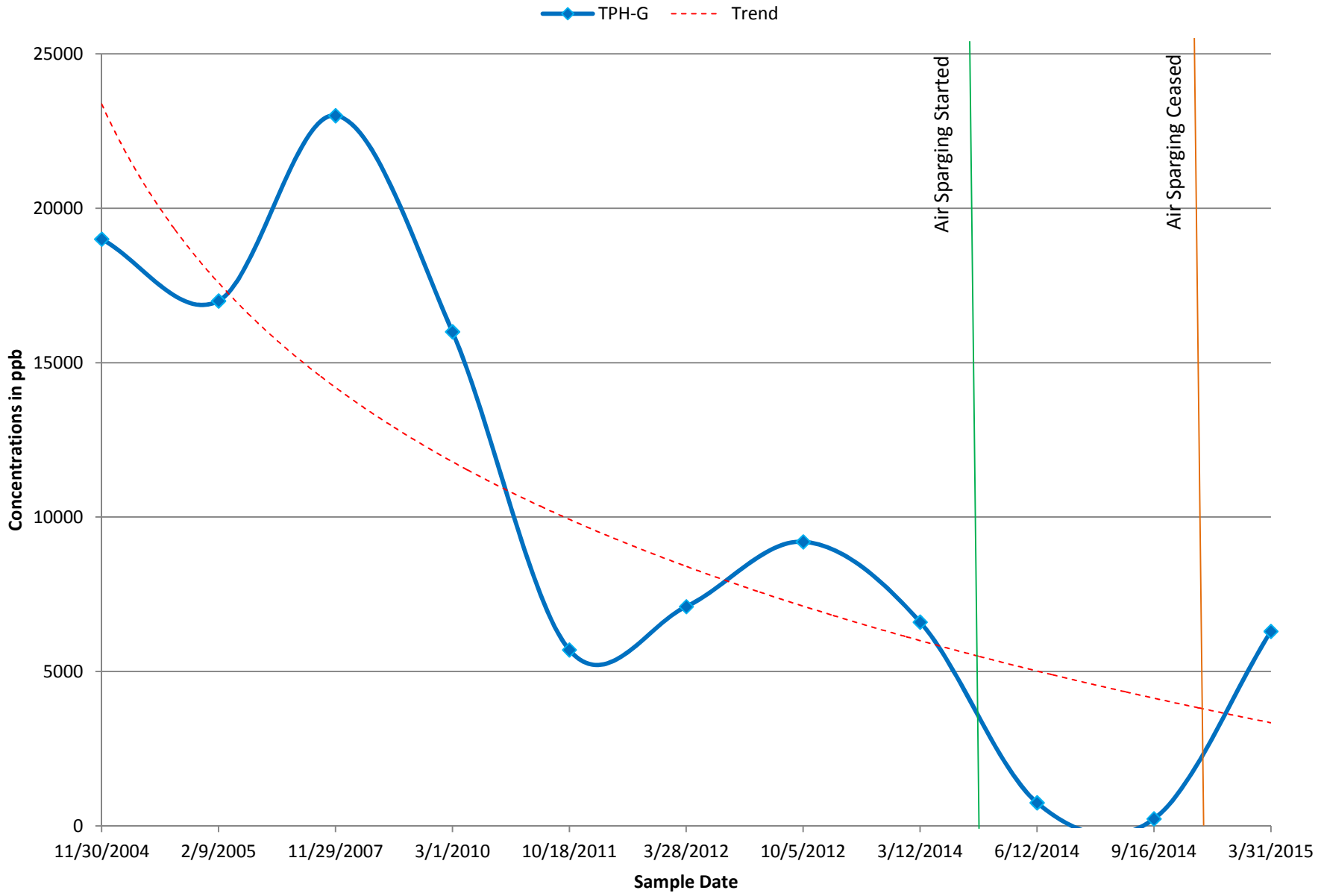
NOTES: Source data prior to October 2011 from ECON, ECA, Sierra, Hilmer, Herzog, Kleinfelder (KF)

NA = Not Available or Not Identified during file review

## **APPENDIX C**

### ***Historic Concentration Trend Charts***

Chart 1: Historic Concentration Trend for TPH-G in MW-3s



**Chart 2: Historic Concentration Trend for Benzene in MW-3s**

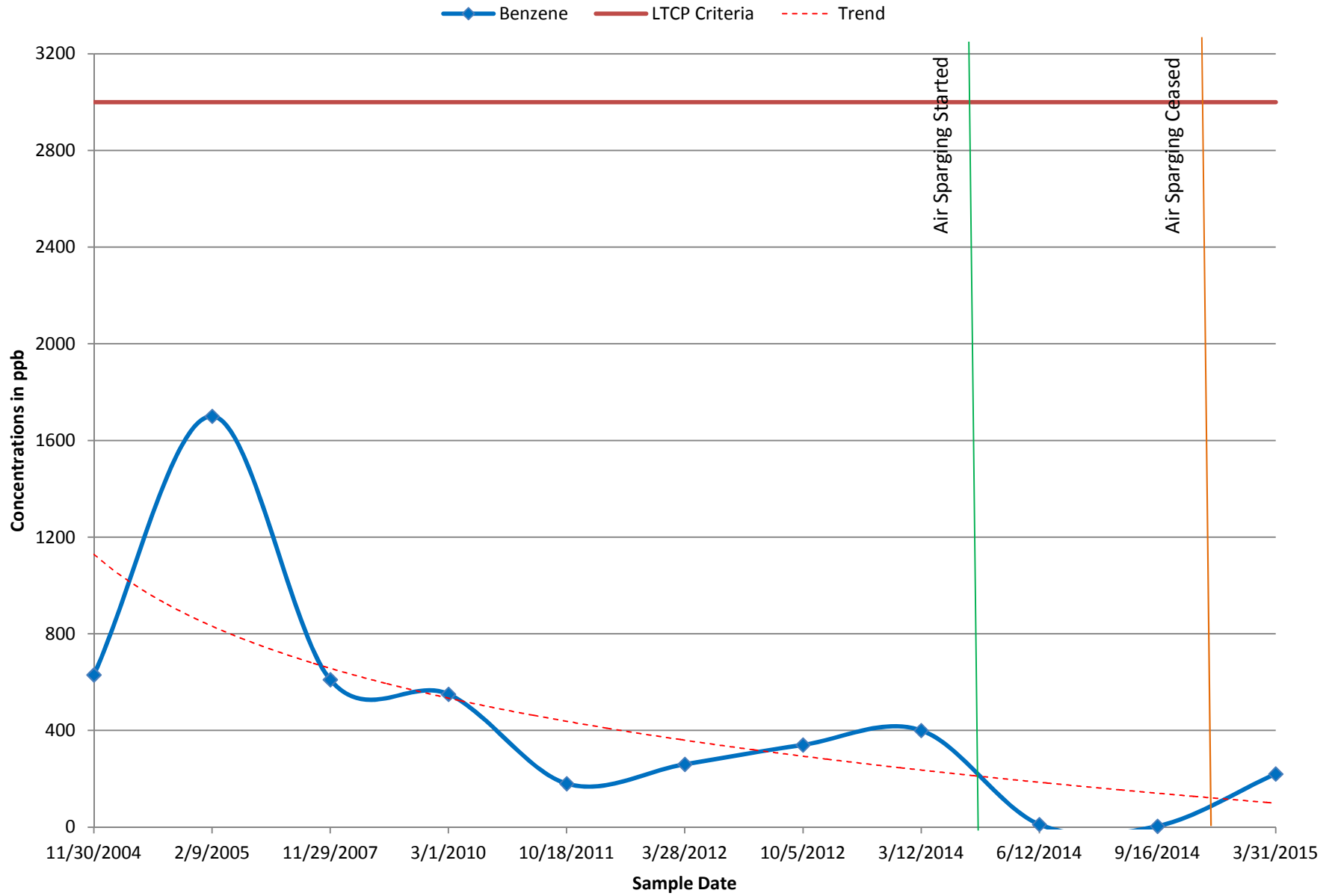
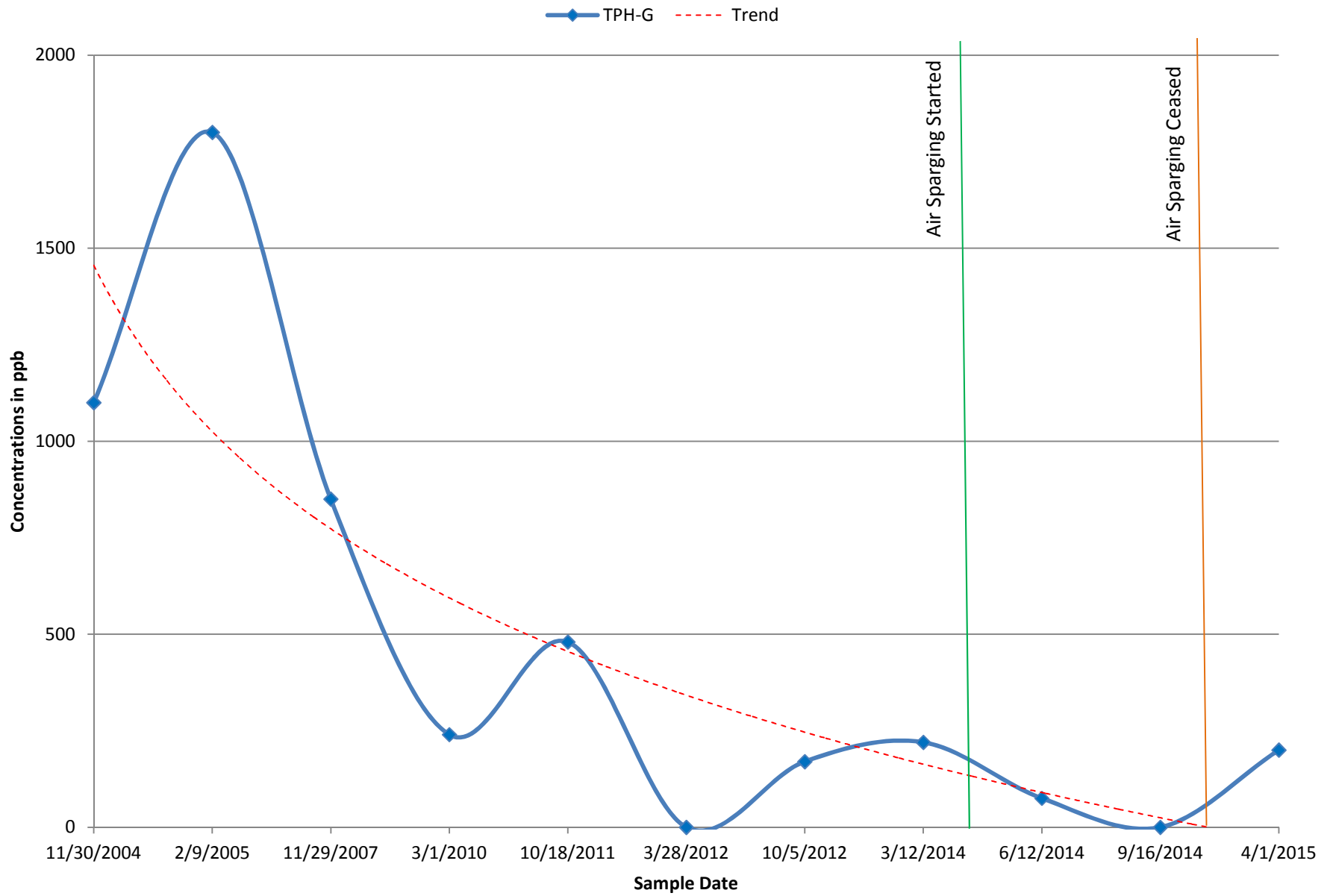
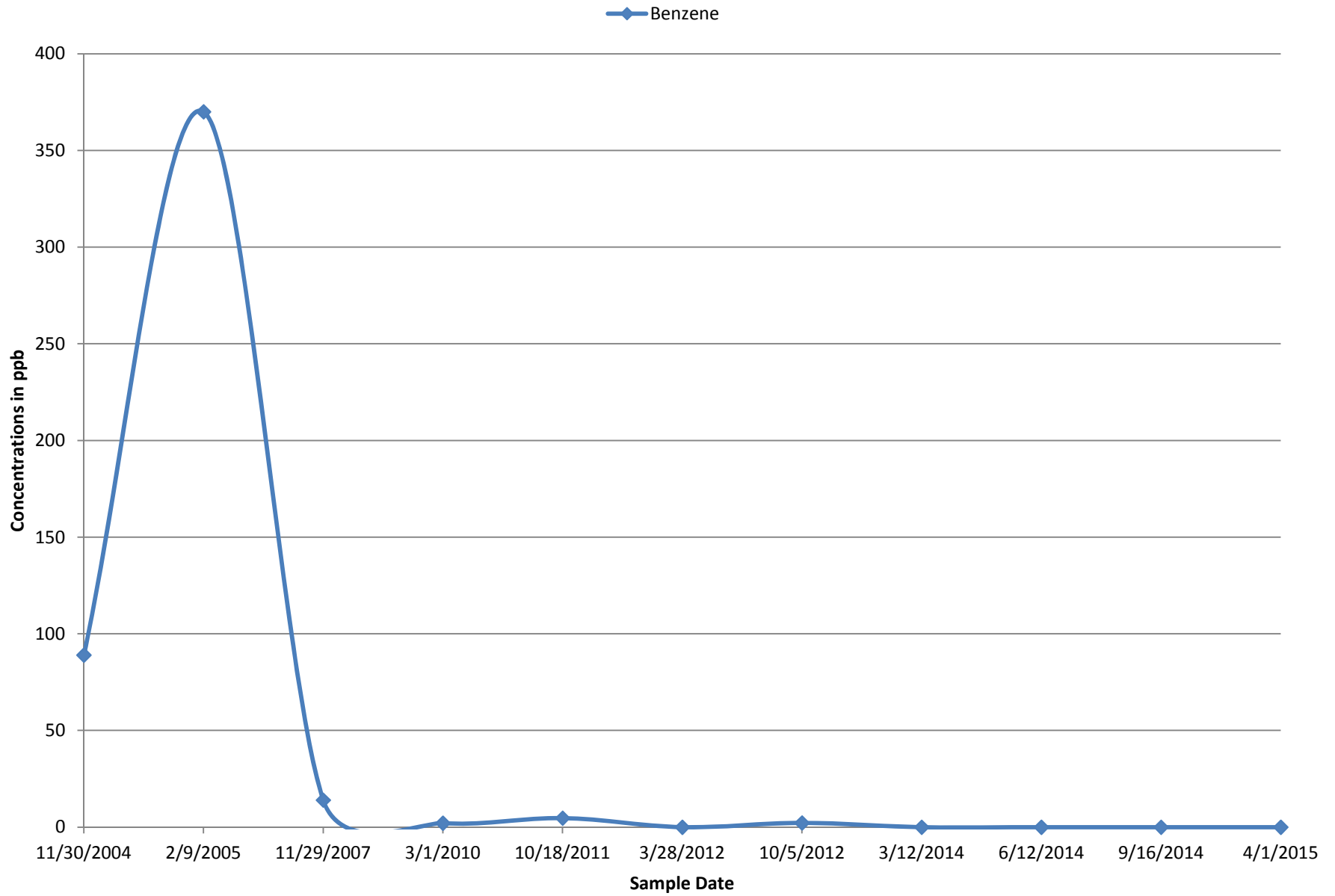


Chart 3: Historic Concentration Trend for TPH-G in MW-3d



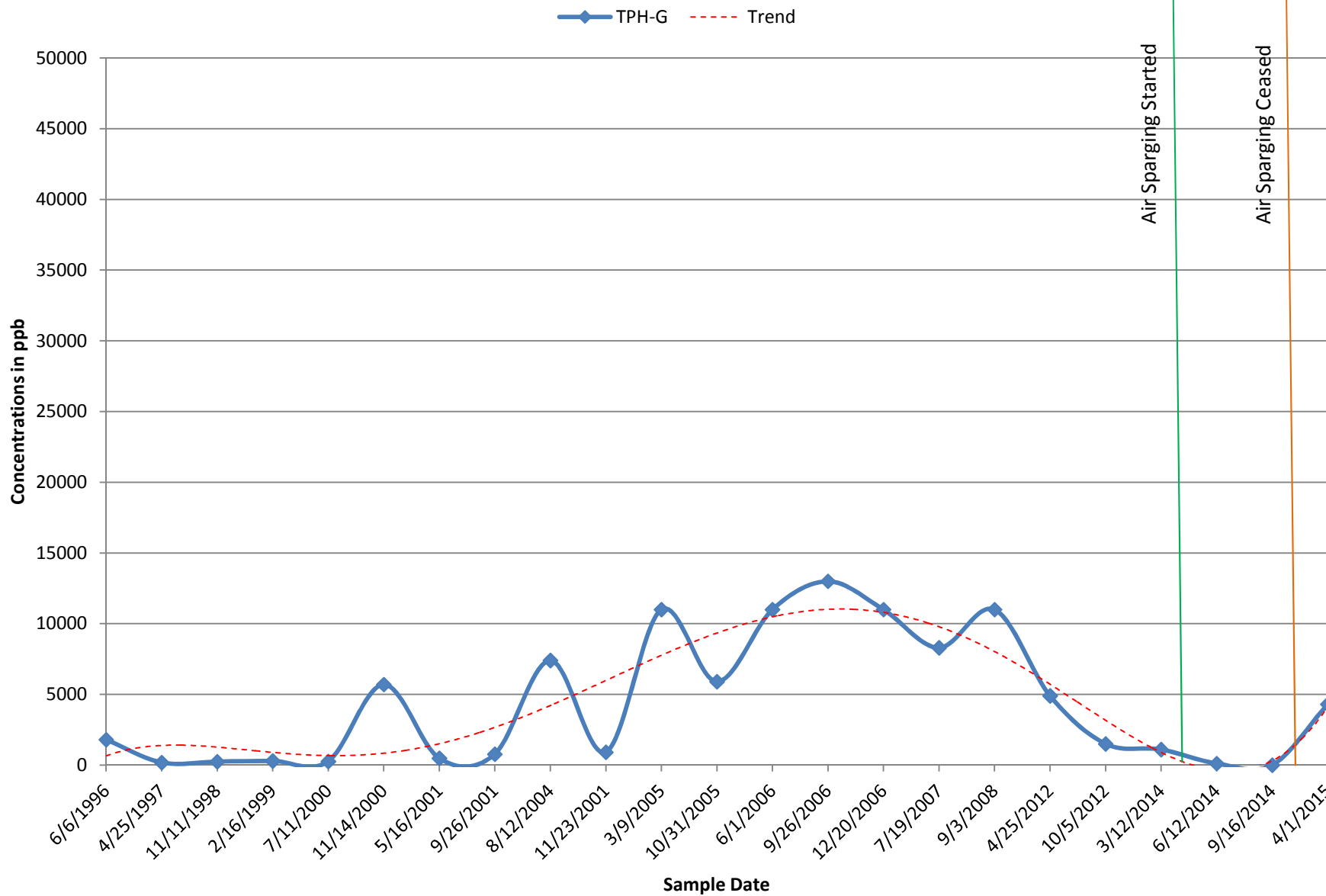


**Chart 4: Historic Concentration Trend for Benzene in MW-3d**



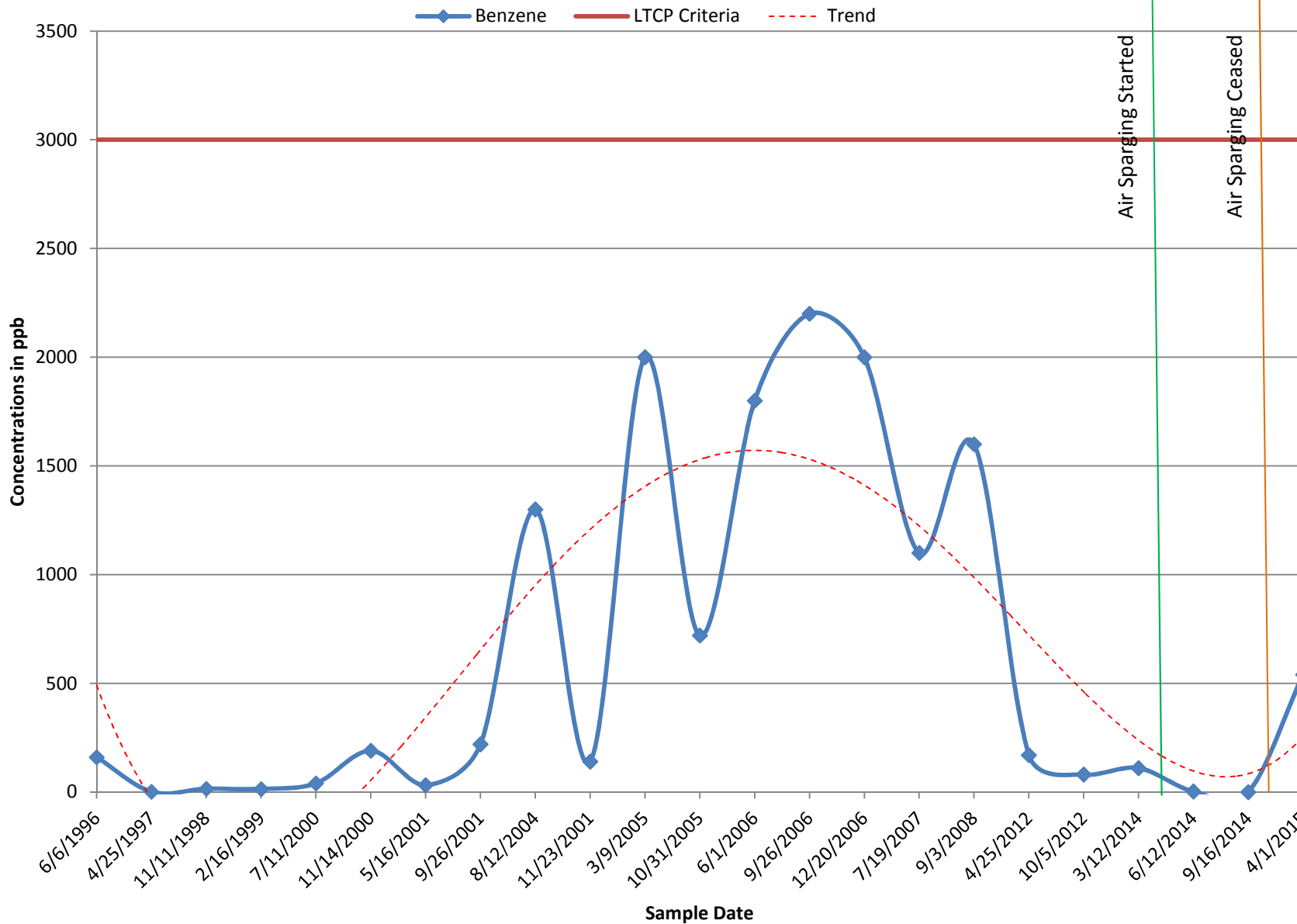
### Chart 5: Historic Concentration Trend for TPH-G in B-15

The highest (initial) concentration of 45,000 ppb detected in June 1990 was removed for improved data representation.



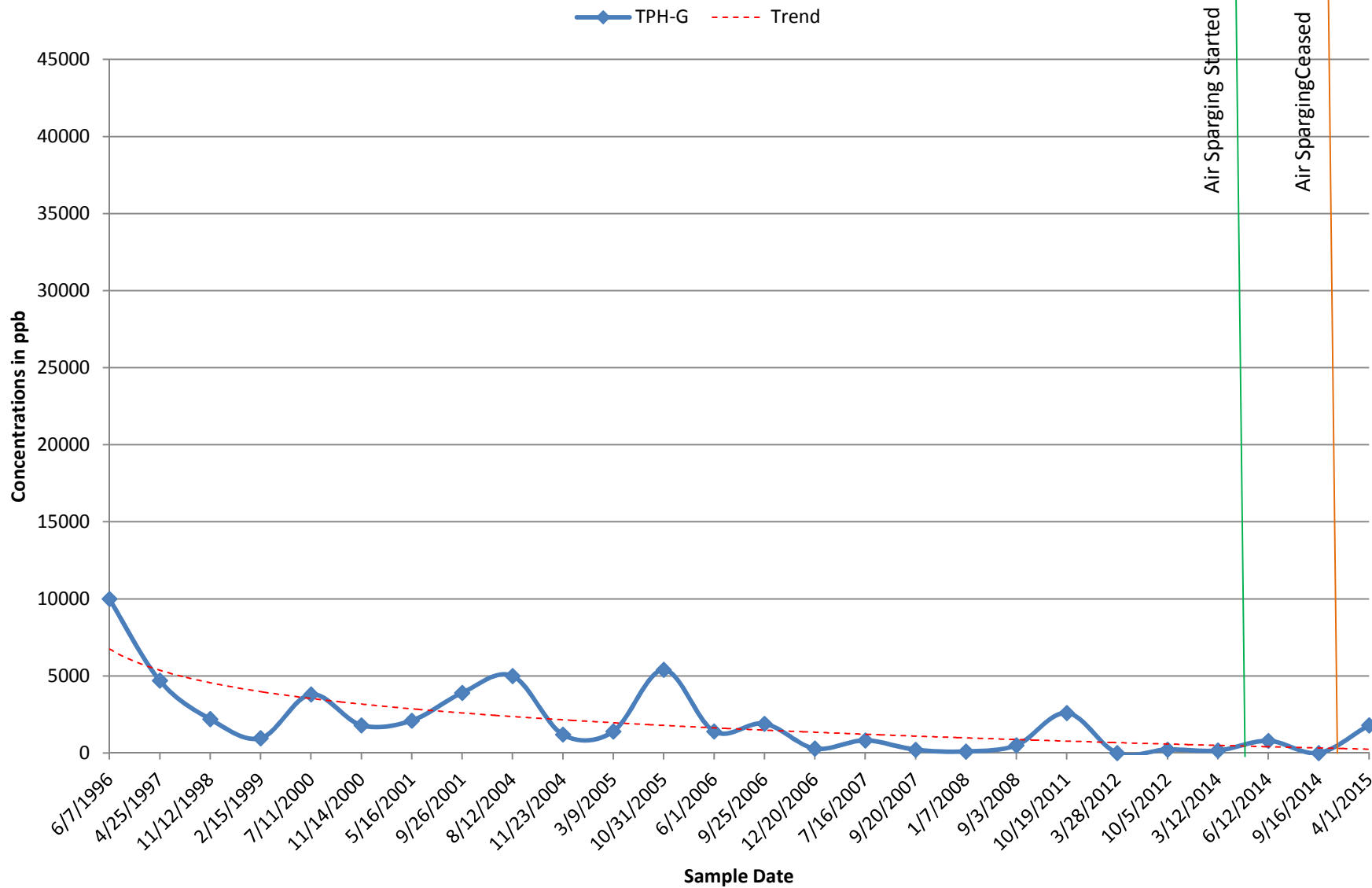
### Chart 6: Historic Concentration Trend for Benzene in B-15

The highest (initial) concentration of 12,000 ppb detected in June 1990 was removed for improved data representation.



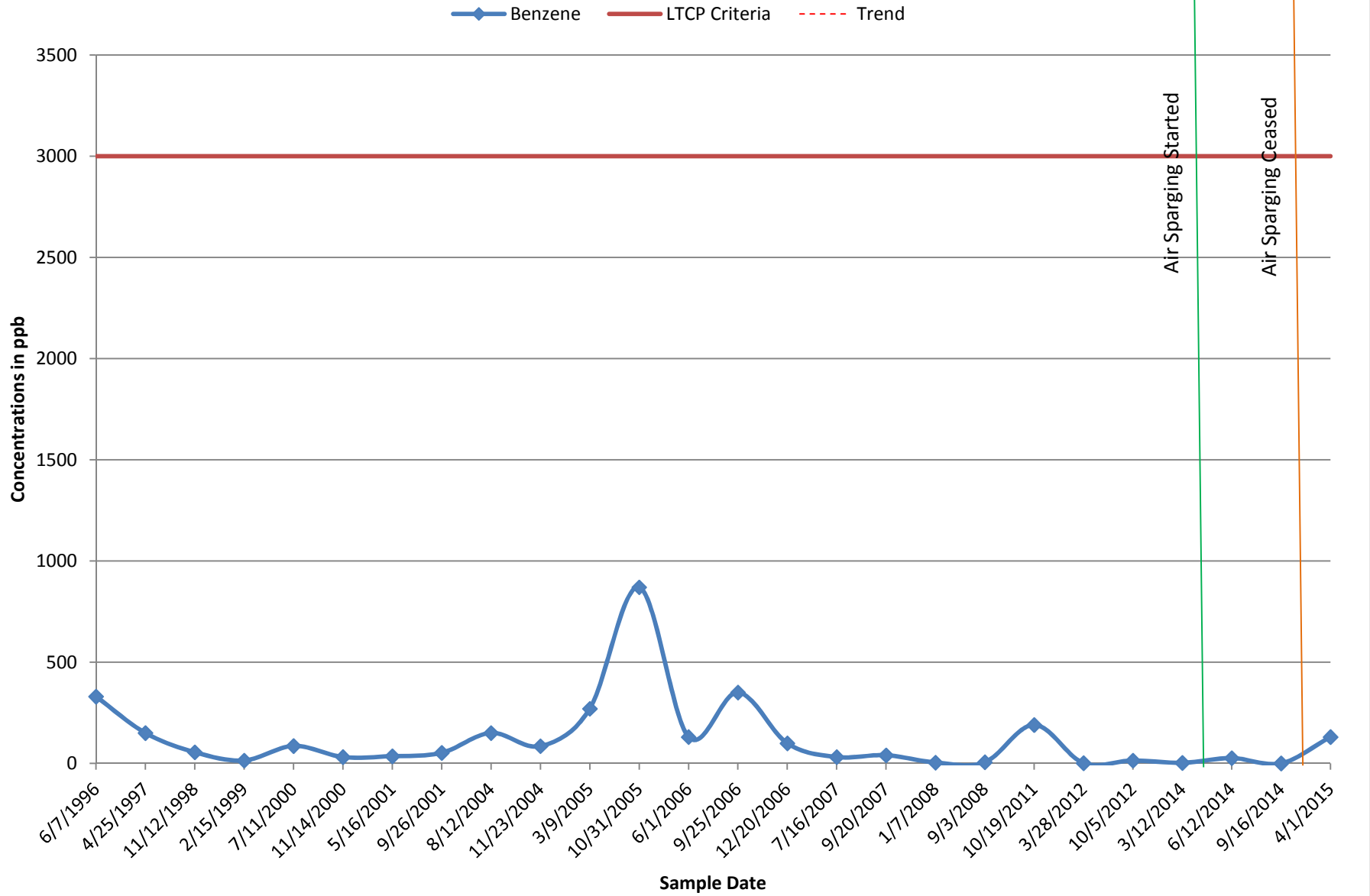
### Chart 7: Historic Concentration Trend for TPH-G in B-16

The highest (initial) concentration of 43,000 ppb detected in December 1989 was removed for improved data representation.



### Chart 8: Historic Concentration Trend for Benzene in B-16

The highest (initial) concentration of 10,000 ppb detected in December 1989 was removed for improved data representation.



### Chart 9: Historic Concentration Trend for TPH-G in B-17

The highest (initial) concentration of 49,000 ppb detected in November 1998 was removed for improved data representation.

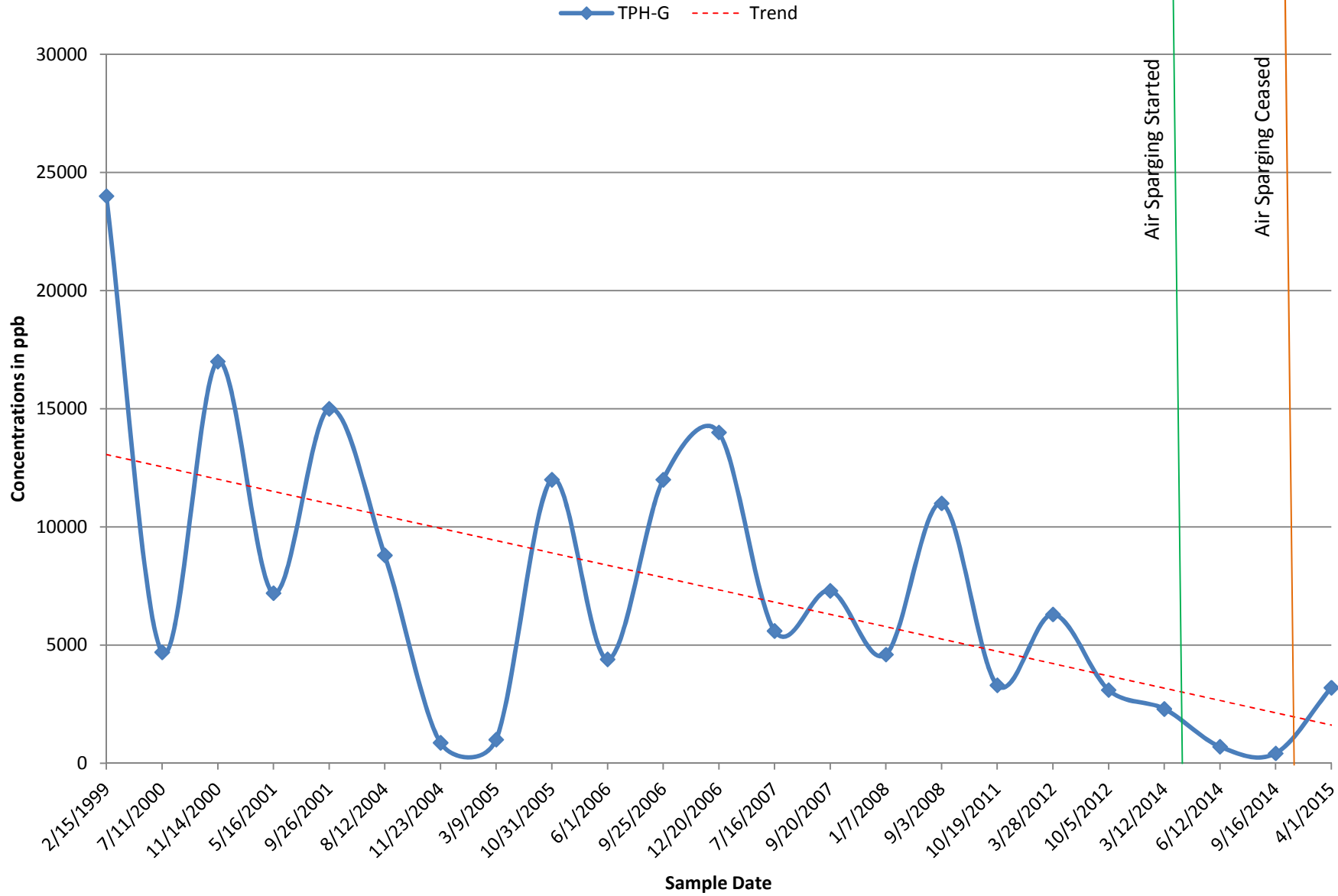


Chart 10: Historic Concentration Trend for Benzene in B-17

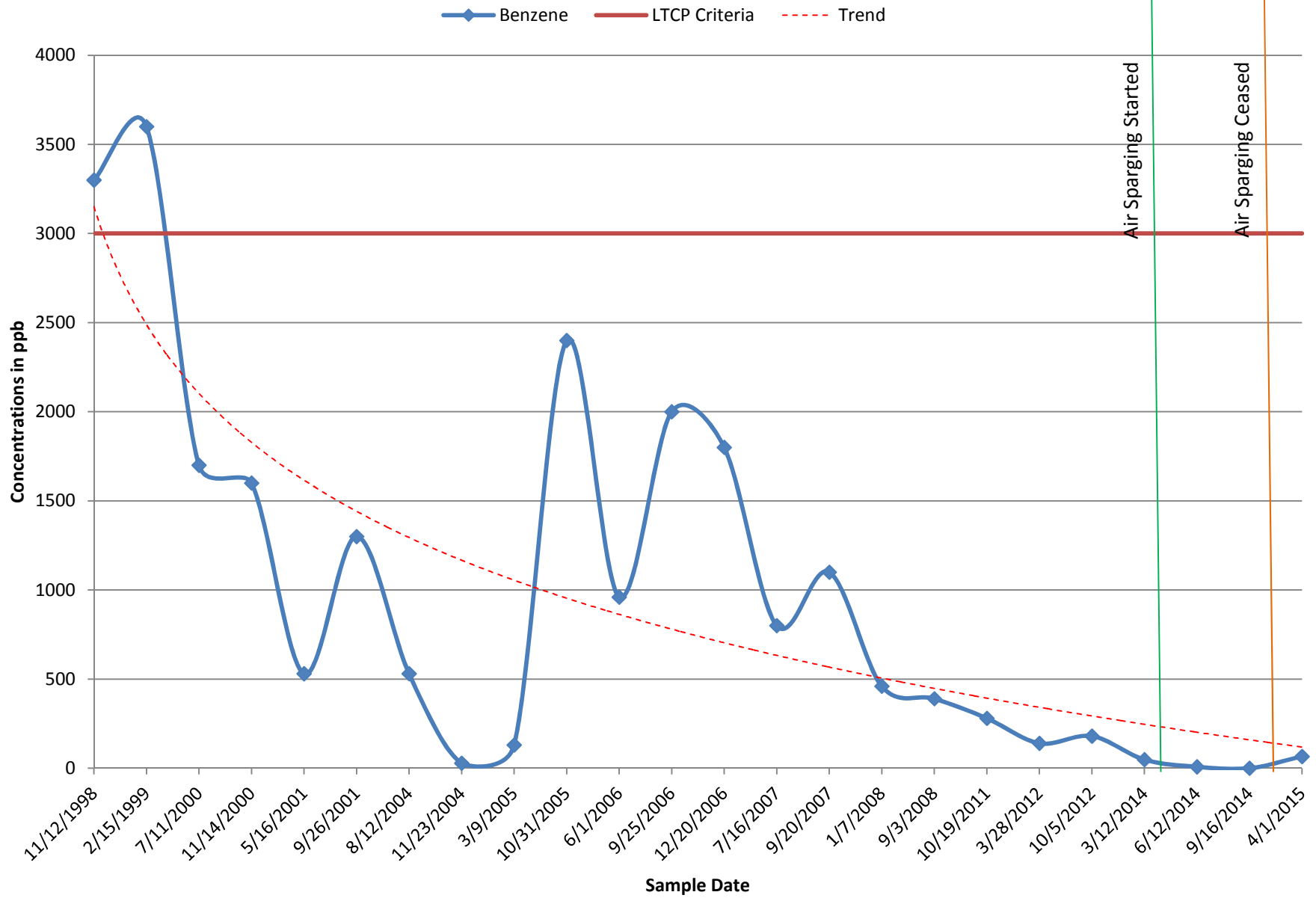
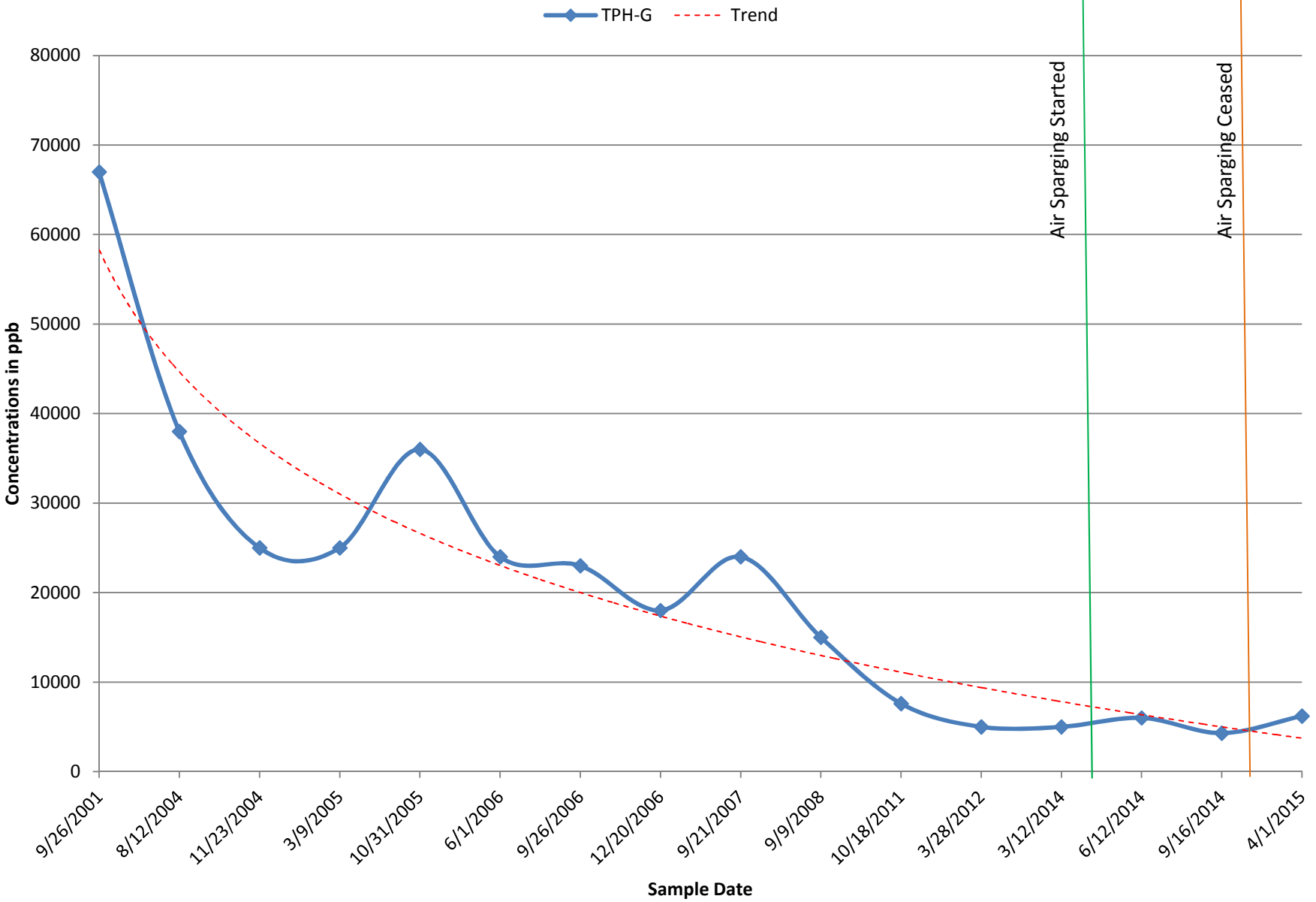
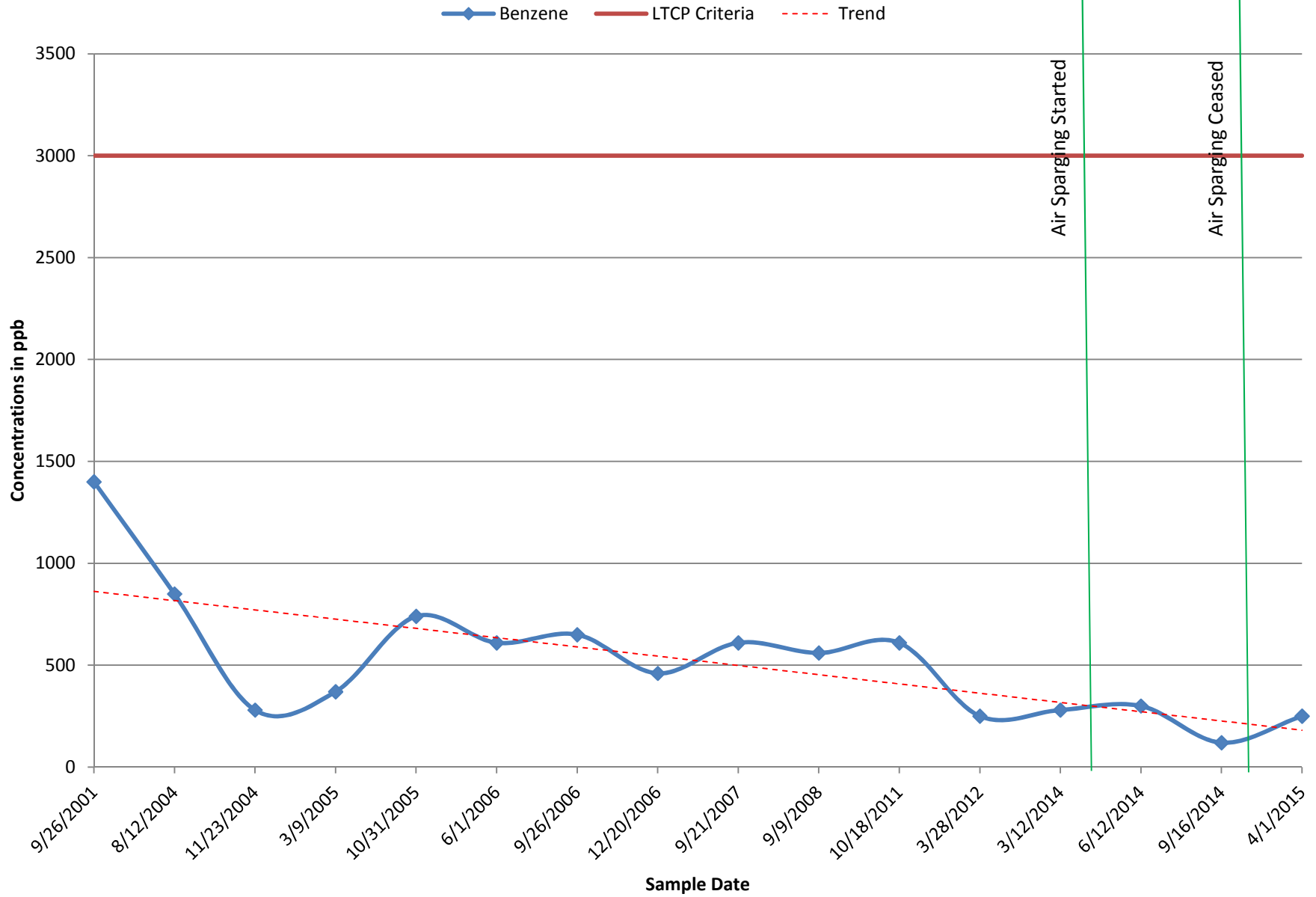


Chart 11: Historic Concentration Trend for TPH-G in B-27



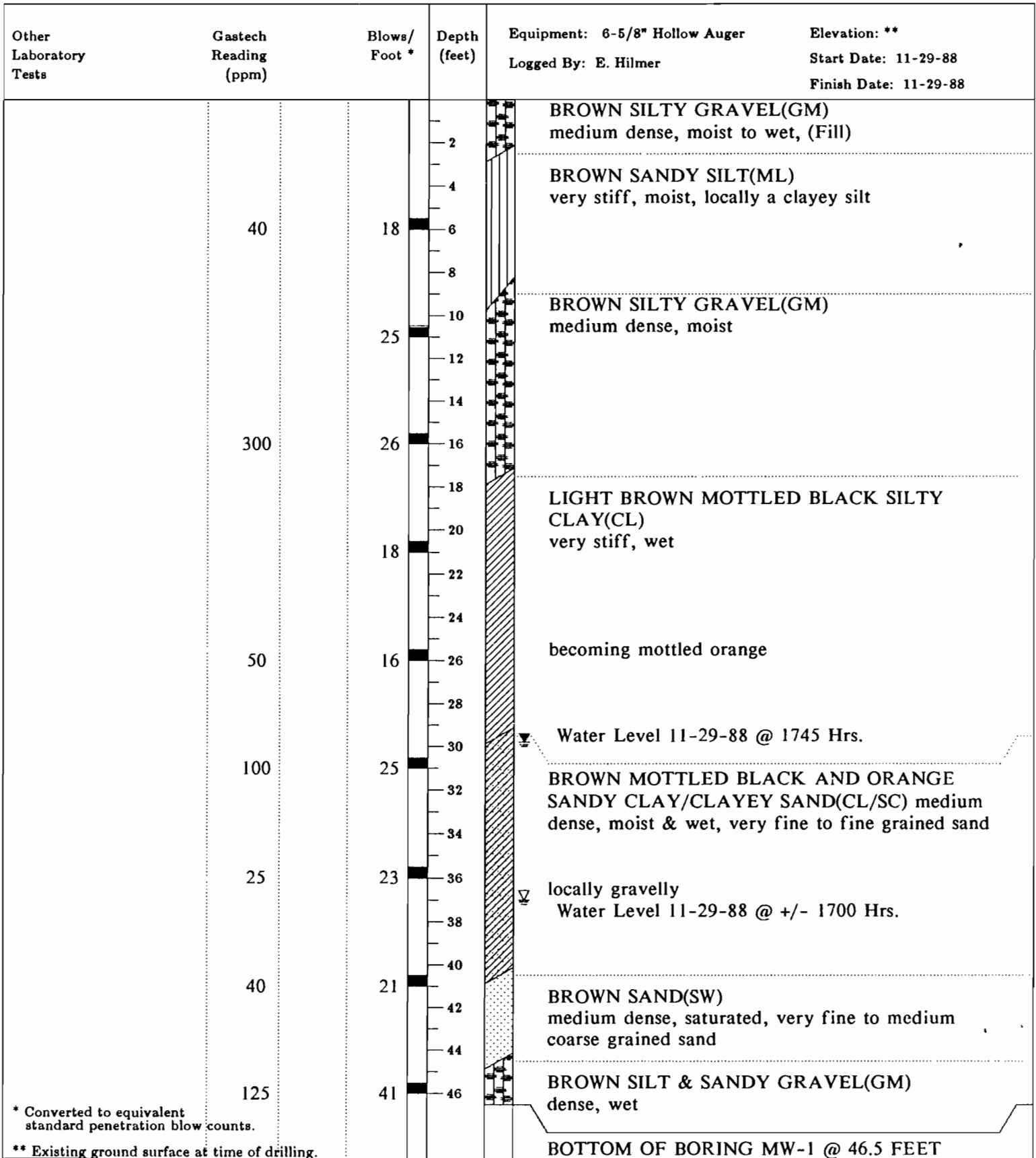


**Chart 12: Historic Concentration Trend for Benzene in B-27**



# **APPENDIX D**

## ***Boring Logs***



\* Converted to equivalent standard penetration blow counts.

\*\* Existing ground surface at time of drilling.

Herzog Associates  
Geoscientists

Job No: 15176.01.00.7  
Geolog: *E. Hilmer*  
Lic No: 3947  
Drwn: PD  
Date: FEB. 1989

### LOG OF BORING MW-1

HULSMAN TRANSPORTATION

Santa Rosa, California

PLATE

3

| MAJOR DIVISIONS                                     |  |                                       |    |  | TYPICAL NAMES   |
|---|--|---------------------------------------|----|--|---|
| COARSE GRAINED SOILS<br>More than Half > #200 sieve | GRAVELS<br>MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE | CLEAN GRAVELS WITH LITTLE OR NO FINES | GW |  | WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES   |
|   |  |                                       | GP |  | POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES   |
|   |  | GRAVELS WITH OVER 12% FINES           | GM |  | SILTY GRAVELS, POORLY GRADED GRAVEL-SAND-SILT MIXTURES  |
|   |  |                                       | GC |  | CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES   |
|   | SANDS<br>MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE  | CLEAN SANDS WITH LITTLE OR NO FINES   | SW |  | WELL GRADED SANDS, GRAVELLY SANDS   |
|   |  |                                       | SP |  | POORLY GRADED SANDS, GRAVELLY SANDS   |
|   |  | SANDS WITH OVER 12% FINES             | SM |  | SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES   |
|   |  |                                       | SC |  | CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES  |
| FINE GRAINED SOILS<br>More than Half < #200 sieve   | SILTS AND CLAYS<br>LIQUID LIMIT LESS THAN 50                         |                                       | ML |  | INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
|   |  |                                       | CL |  | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS                   |
|   |  |                                       | OL |  | ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY   |
|   | SILTS AND CLAYS<br>LIQUID LIMIT GREATER THAN 50                      |                                       | MH |  | INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS                                 |
|   |  |                                       | CH |  | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS   |
|   |  |                                       | OH |  | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS   |
| HIGHLY ORGANIC SOILS                                |  |                                       | Pt |  | PEAT AND OTHER HIGHLY ORGANIC SOILS   |

### UNIFIED SOIL CLASSIFICATION SYSTEM

|                |                                 |      |                          |                         |                                   |
|----------------|---------------------------------|------|--------------------------|-------------------------|-----------------------------------|
| Consol         | Consolidation                   | Tx   | 630 (2400)               | Shear Strength, psf     | Unconsolidated Undrained Triaxial |
| LL             | Liquid Limit (in %)             | TxCU | 240 (2100)               | Confining Pressure, psf | Consolidated Undrained Triaxial   |
| PL             | Plastic Limit (in %)            | DS   | 3740 (1200)              |                         | Consolidated Drained Direct Shear |
| PI             | Plasticity Index                | FVS  | 320                      |                         | Field Vane Shear                  |
| G <sub>s</sub> | Specific Gravity                | UC   | 4200                     |                         | Unconfined Compression            |
| SA             | Sieve Analysis                  | LVS  | 500                      |                         | Laboratory Vane Shear             |
|                | Undisturbed Sample              | SS   | Shrink Swell             |                         |                                   |
|                | Bulk or Disturbed Sample        | EXP  | Expansion                |                         |                                   |
|                | Standard Penetration Test       | P    | Permeability             |                         |                                   |
|                | Sample Attempt with No Recovery | PP   | Pocket Penetrometer, tsf |                         |                                   |

### KEY TO TEST DATA

Herzog Associates  
Geoscientists

Job No: 15176.01.00.7

Appr: PAH

Drwn: PD

Date: Dec. 1988

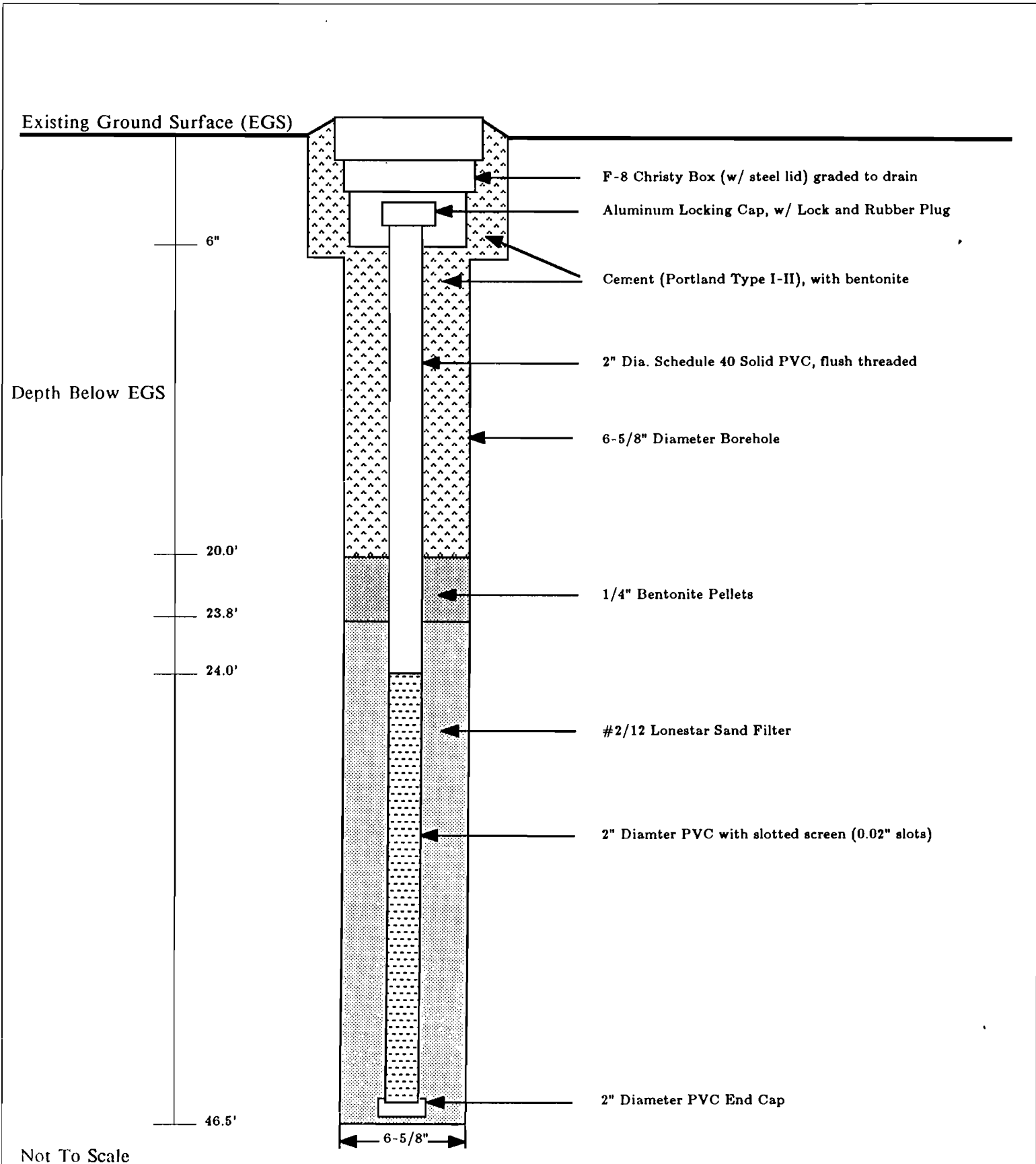
## SOIL CLASSIFICATION CHART AND KEY TO TEST DATA

HULSMAN TRANSPORTATION

Santa Rosa, California

PLATE

4



Herzog Associates  
Geoscientists

Job No: 15176.01.00.7

Appr: *RAH*

Drwn: PD

Date: DEC 1988

## Monitoring Well MW-1 Details

HULSMAN TRANSPORTATION

Santa Rosa, California

PLATE

**5**

| LABORATORY TESTS | FIELD TESTS | SAMPLER TYPE | SAMPLE RECOVERY % | MOISTURE CONTENT % | DRY DENSITY (PCF) | BLOWS PER FOOT | DEPTH (FT) | SYMBOL |
|------------------|-------------|--------------|-------------------|--------------------|-------------------|----------------|------------|--------|
|                  | 15          | MC           | 70%               |                    |                   | 22             | 5          |        |
|                  | 6           | MC           | 90%               |                    |                   | 24             | 10         |        |
|                  | 5           | MC           | 100%              |                    |                   | 13             | 15         |        |
| XX               | 7           | MC           | 100%              |                    |                   | 27             | 20         |        |
|                  | 6           | MC           | 100%              |                    |                   | 12             | 25         |        |
| XX               | 11          | MC           | 100%              |                    |                   | 20             | 30         |        |
|                  | 10          | MC           | 80%               |                    |                   | 47             | 35         |        |
|                  |             |              |                   |                    |                   |                | 40         |        |
|                  |             |              |                   |                    |                   |                | 45         |        |

## MATERIAL DESCRIPTION

4 / 27 / 1980

8 - INCH HOLLOW AUGER

EXISTING GROUND SURFACE

GREY BROWN SILTY GRAVEL (GM), compact, dry (FILL)

DARK BROWN SANDY AND CLAYEY SILT (ML), semicompact, moist, in part FILL

TAN BROWN MOTTLED GREY AND ORANGE WITH LOCAL BLACK STAINING SANDY CLAY AND CLAYEY SILT (CL/ML), stiff and very stiff, moist to very moist

local lenses of CLAYEY VERY FINE TO MEDIUM SAND (SC), semicompact, very moist/wet

BROWN SLIGHTLY CLAYEY SAND (SC/SW), compact, wet to saturated interlayered with BROWN SANDY GRAVEL (GW), dense, saturated

BOREHOLE CONTINUED

**HILMER**  
**CONSULTING**  
ENVIRONMENTAL / GEOTECHNICAL  
SANTA ROSA, CALIFORNIA

JOB NO  
P133.1  
BY  
EAH  
LICENSE  
CEG# 12184

**LOG OF BOREHOLE # MW-2**

HILLSMAN TRUCKING  
325 YOLANDA AVENUE  
SANTA ROSA, CALIFORNIA

PLATE

**3**

| LABORATORY TESTS | FIELD TESTS | SAMPLER TYPE | SAMPLE RECOVERY % | MOISTURE CONTENT % | DRY DENSITY (PCF) | BLOWS PER FOOT | DEPTH (FT) | SYMBOL | MATERIAL DESCRIPTION  |  |
|------------------|-------------|--------------|-------------------|--------------------|-------------------|----------------|------------|--------|---|--|
|                  |             |              |                   |                    |                   |                |            |        | EXISTING GROUND SURFACE   | 4 / 27 / 1980<br>8 - INCH HOLLOW AUGER |
|                  |             |              |                   |                    |                   |                | 45         |        | BROWN SLIGHTLY CLAYEY SAND (SC/SW), compact, wet to saturated interlayered with BROWN SANDY GRAVEL (GW), dense, saturated   |  |
|                  |             |              |                   |                    |                   |                | 50         |        | local lenses of SANDY CLAY  |  |
|                  |             |              |                   |                    |                   |                | 55         |        | *** : HYDROCARBON READING USING A PHOTOVAC TIP (PHOTO IONIZATION METER). READINGS TAKEN AT A DEPTH OF TWO FEET INSIDE OF THE HOLLOW AUGER USING 'HIGH' SENSITIVITY SETTING WITH A 10.6 EV BULB. |  |
|                  |             |              |                   |                    |                   |                | 60         |        |   |  |
|                  |             |              |                   |                    |                   |                | 65         |        |   |  |
|                  |             |              |                   |                    |                   |                | 70         |        |   |  |
|                  |             |              |                   |                    |                   |                | 75         |        |   |  |
|                  |             |              |                   |                    |                   |                | 80         |        |   |  |
|                  |             |              |                   |                    |                   |                | 85         |        |   |  |

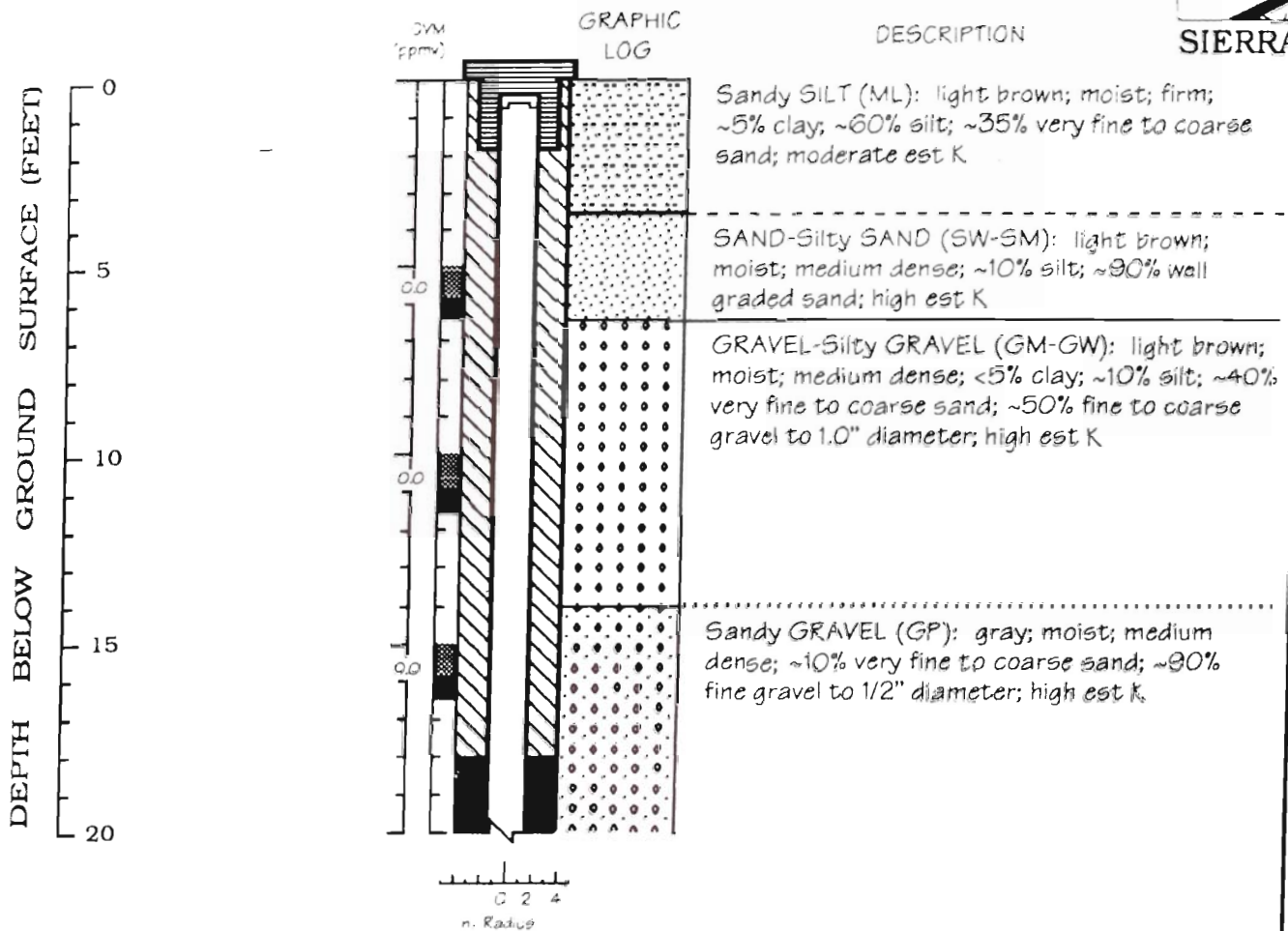
**HILMER**  
**CONSULTING**  
 ENVIRONMENTAL / GEOTECHNICAL  
 SANTA ROSA, CALIFORNIA

JOB NO  
 P133.1  
 BY  
 EAH  
 LICENSE  
 CEG# 12184

**LOG OF BOREHOLE # MW - 2**  
 HULSMAN TRUCKING  
 325 YOLANDA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
**3B**

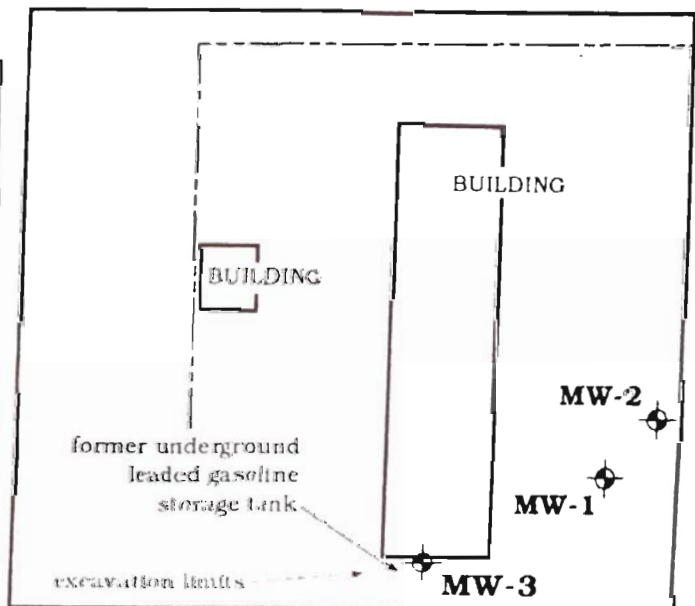
# WELL MW-3



## Well Construction and Boring Log - Well MW-3

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

Logged by: Eric Gross  
Supervisor: R. Greenfelder RG#003011  
Drilling Company: Clear Heart Drilling  
C-57#: 467904  
Driller: Tim Teller  
Drilling Method: Hollow stem auger  
Date Drilled: January 27, 1992  
Well Head Completion: Locking cap & traffic-rated well  
Type of sampler: Split spoon (2" ID)

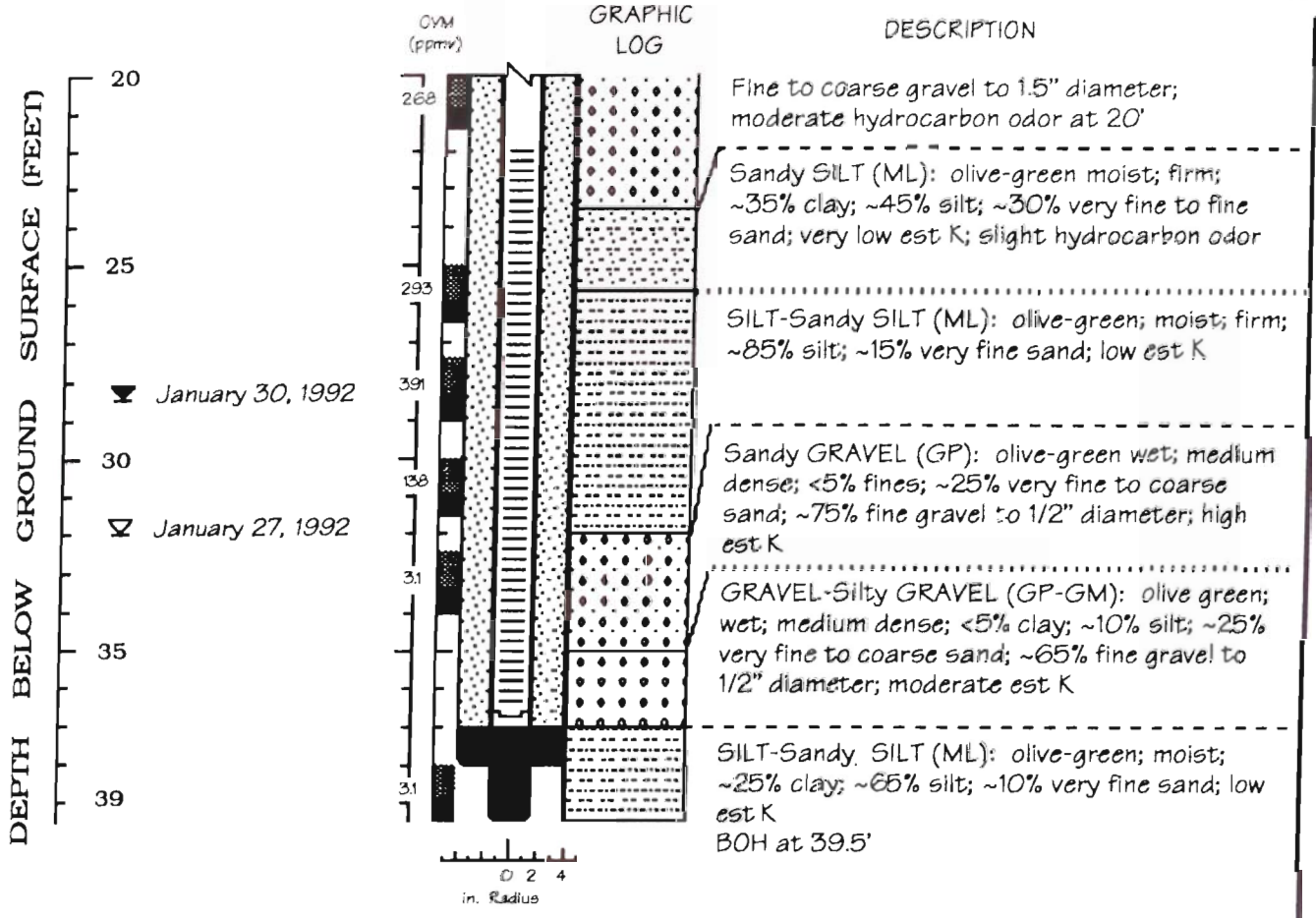




# WELL MW-3 (continued)



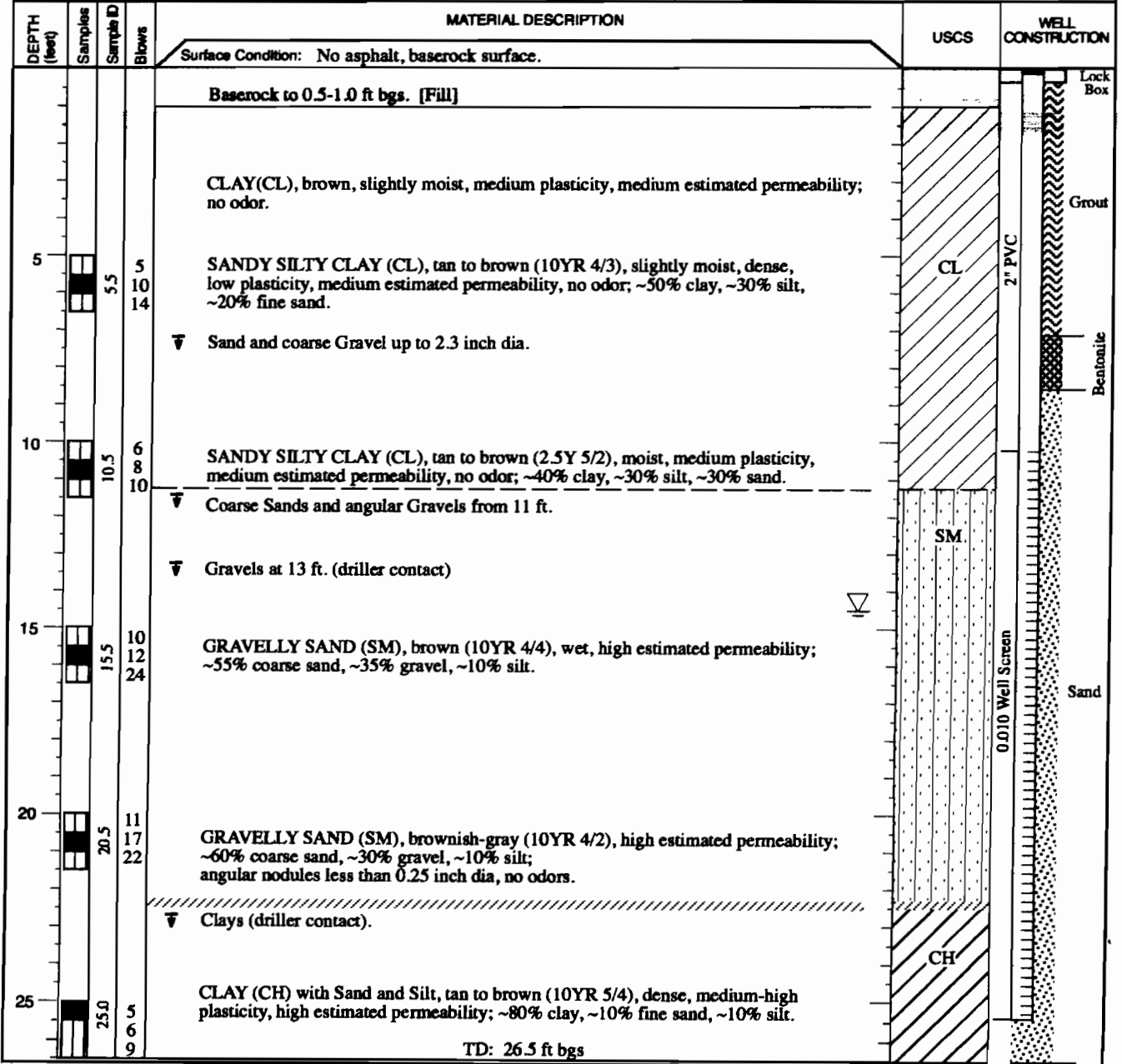
**SIERRA**



**Well Construction and Boring Log -  
Well MW-3**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

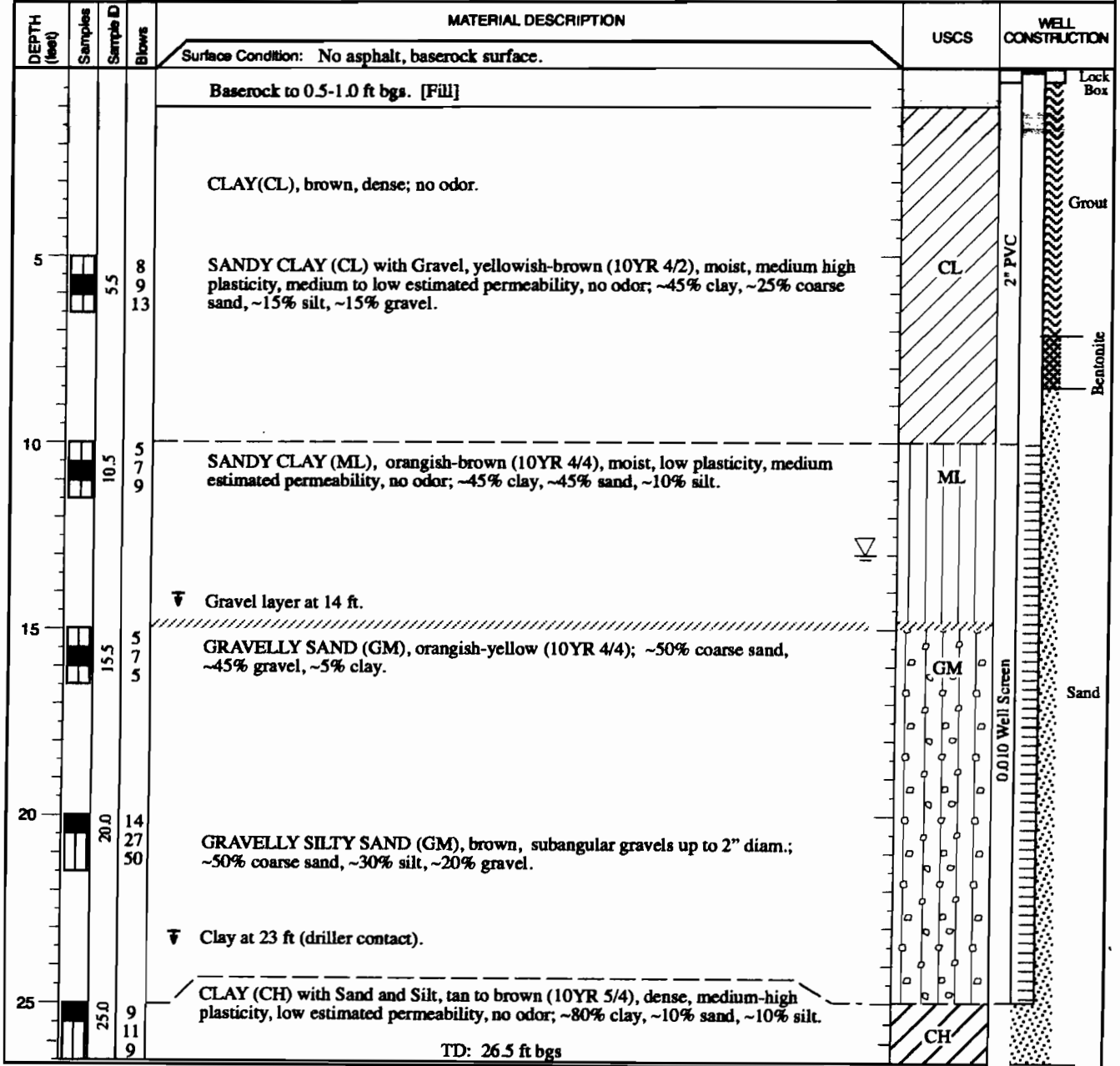
|   |  |                                      |  |  |  |
|---|--|--------------------------------------|--|--|--|
| BORING LOCATION<br>325 Yolanda Ave. (East of Dock at 1st Bay) |  | ELEVATION AND DATUM<br>TOC 142.34 ft |  | BORING NO.<br>MW-1S                          |  |
| DRILLING AGENCY<br>Clear Heart Drilling, Inc                  |  | DRILLER<br>Rick                      |  | DATE/TIME FINISHED<br>15 Nov 04              |  |
| DRILLING EQUIPMENT<br>DR 10K Truck-mounted Drill Rig          |  | COMPLETION DEPTH<br>26.5 ft          |  | SAMPLING DEVICE<br>Split Spoon               |  |
| DRILLING METHOD<br>Hollow Stem Auger                          |  | BORING DIA.<br>8 inches              |  | CORE BARREL<br>2.5 inch $\phi$               |  |
| SIZE AND TYPE OF CASING<br>2-inch PVC                         |  | FROM 0.0' TO 25.0'                   |  | TYPE AND NO. OF SAMPLES<br>5 Discrete Soil   |  |
| TYPE OF PERFORATION<br>0.010 Slotted                          |  | FROM 10.0' TO 25.0'                  |  | LOGGED BY:<br>JWS                            |  |
| SIZE AND TYPE OF PACK<br>#2/12 Sand                           |  | FROM 8.5' TO 26.5'                   |  | WATER LEVEL<br>FIRST ~14.5 ft bgs            |  |
| TYPE OF SEAL<br>NO. 1 Bentonite                               |  | FROM 7.0' TO 8.5'                    |  | SAMPLING / MEASURED<br>—                     |  |
| NO. 2 Cement Grout  |  | FROM 0.0' TO 7.0'                    |  | COMMENTS<br>140 lb hammer dropped 40 inches. |  |



TRACE #425/RIG/15/MAR05

|   |                          |  |                       |                     |                    |
|---|--------------------------|--|-----------------------|---------------------|--------------------|
| <b>ECON</b><br>Environment, Community & Opportunity Network |                          | <b>MONITORING WELL LOG MW-1S</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |                       |                     | FIGURE<br><b>5</b> |
| REFERENCE<br>Hulsman Transportation<br>Santa Rosa           | REVIEWER<br>Andy Rodgers | DATE<br>December 2004  | REVISED<br>March 2005 | SHEET<br>NO. 1 of 1 |                    |

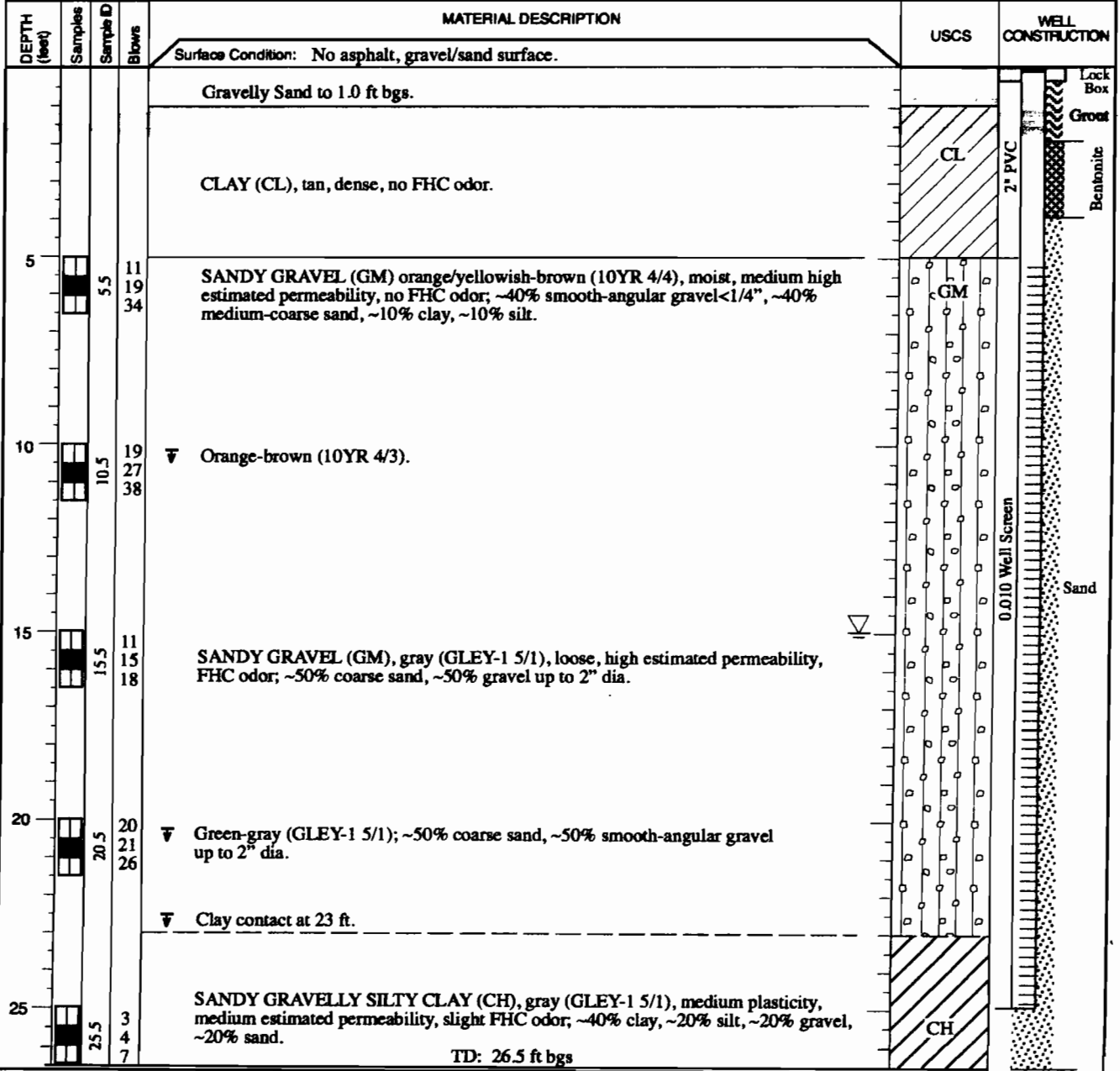
|                         |  |   |  |                         |  |                 |  |                     |  |                                  |  |
|-------------------------|--|---|--|-------------------------|--|-----------------|--|---------------------|--|----------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (Southeast corner of office) |  | ELEVATION AND DATUM     |  | TOC 141.86 ft   |  | BORING NO.          |  | MW-2S                            |  |
| DRILLING AGENCY         |  | Clear Heart Drilling, Inc.                    |  | DRILLER                 |  | Rick            |  | DATE/TIME STARTED   |  | 15 Nov 04                        |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                |  | COMPLETION DEPTH        |  | 26.5 ft         |  | DATE/TIME FINISHED  |  | 15 Nov 04                        |  |
| DRILLING METHOD         |  | Hollow Stem Auger                             |  | BORING DIA.             |  | 8 inches        |  | SAMPLING DEVICE     |  | Split Spoon                      |  |
| SIZE AND TYPE OF CASING |  | 2-inch PVC                                    |  | CORE BARREL             |  | 2.5 inch $\phi$ |  | LENGTH              |  | 18 inches                        |  |
| TYPE OF PERFORATION     |  | 0.010 Slotted                                 |  | TYPE AND NO. OF SAMPLES |  | 5 Discrete Soil |  | LOGGED BY:          |  | JWS                              |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Sand                                    |  | FROM                    |  | 10.0' TO 25.0'  |  | WATER LEVEL         |  | FIRST ~13.0 ft bgs               |  |
| TYPE OF SEAL            |  | NO. 1 Bentonite                               |  | FROM                    |  | 7.0' TO 8.5'    |  | SAMPLING / MEASURED |  | —                                |  |
|                         |  | NO. 2 Cement Grout                            |  | FROM                    |  | 0.0' TO 7.0'    |  | COMMENTS            |  | 140 lb hammer dropped 40 inches. |  |



TRACE #425/0415#42505

|   |                                      |  |              |      |               |                    |            |
|---|--------------------------------------|--|--------------|------|---------------|--------------------|------------|
| <b>ECON</b><br>Environment, Community & Opportunity Network |                                      | <b>MONITORING WELL LOG MW-2S</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |              |      |               | FIGURE<br><b>6</b> |            |
| REFERENCE   | Hulsman Transportation<br>Santa Rosa | REVIEWER   | Andy Rodgers | DATE | December 2004 | REVISED            | March 2005 |
|   |                                      |  |              |      |               | SHEET NO. 1 of 1   |            |

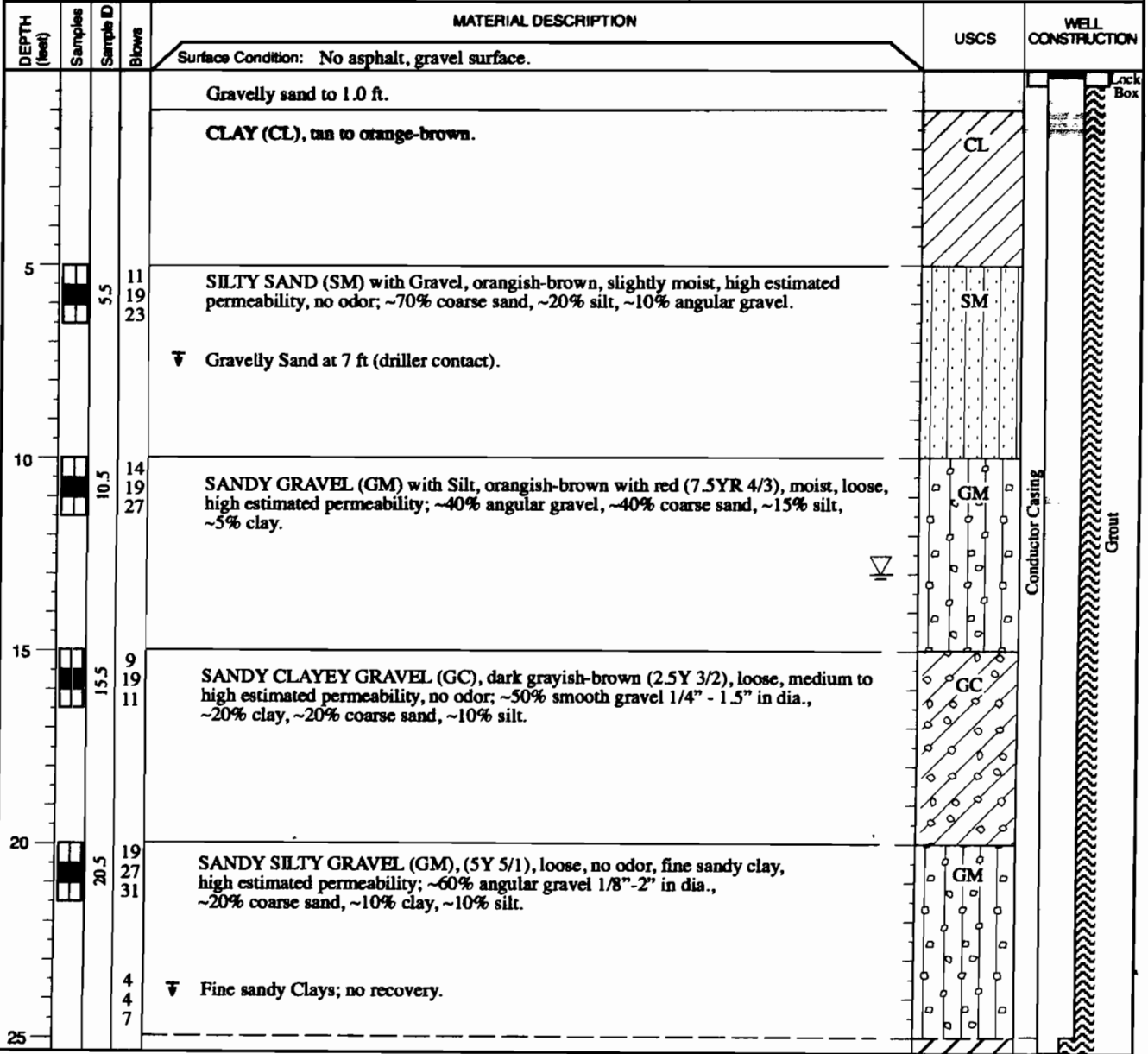
|                         |  |  |  |                         |  |                 |  |                     |  |                                  |  |
|-------------------------|--|--|--|-------------------------|--|-----------------|--|---------------------|--|----------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (Shallow Wall, east of former excavation) |  | ELEVATION AND DATUM     |  | TOC 141.82 ft   |  | BORING NO.          |  | MW-3S                            |  |
| DRILLING AGENCY         |  | Clear Heart Drilling, Inc.                                 |  | DRILLER                 |  | Rick            |  | DATE/TIME STARTED   |  | 17 Nov 04                        |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                             |  | COMPLETION DEPTH        |  | 26.5 ft         |  | DATE/TIME FINISHED  |  | 17 Nov 04                        |  |
| DRILLING METHOD         |  | Hollow Stem Auger  |  | BORING DIA.             |  | 8 inches        |  | SAMPLING DEVICE     |  | Split Spoon                      |  |
| SIZE AND TYPE OF CASING |  | 2-inch PVC   |  | CORE BARREL             |  | 2.5 inch $\phi$ |  | LENGTH              |  | 18 inches                        |  |
| TYPE OF PERFORATION     |  | 0.010 Slotted  |  | TYPE AND NO. OF SAMPLES |  | 5 Discrete Soil |  | LOGGED BY:          |  | JWS                              |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Sand   |  | FROM                    |  | 4.0' TO 26.5'   |  | WATER LEVEL         |  | FIRST ~15.0 ft bgs               |  |
| TYPE OF SEAL            |  | NO. 1 Bentonite  |  | FROM                    |  | 2.0' TO 4.0'    |  | SAMPLING / MEASURED |  | ---                              |  |
|                         |  | NO. 2 Cement Grout   |  | FROM                    |  | 0.0' TO 2.0'    |  | COMMENTS            |  | 140 lb hammer dropped 40 inches. |  |



TRACE #425/RG/15/Mar05

|   |  |  |                          |                       |                       |                     |
|---|--|--|--------------------------|-----------------------|-----------------------|---------------------|
| <b>ECON</b><br>Environment, Community & Opportunity Network |  | <b>MONITORING WELL LOG MW-3S</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |                          |                       |                       | FIGURE<br><b>7</b>  |
|   |  | REFERENCE<br>Hulsman Transportation<br>Santa Rosa  | REVIEWER<br>Andy Rodgers | DATE<br>December 2004 | REVISED<br>March 2005 | SHEET<br>NO. 1 of 1 |

|                         |  |   |  |   |  |  |  |
|-------------------------|--|---|--|---|--|--|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (Deep Well, east of former excavation) |  | ELEVATION AND DATUM<br>TOC 141.54 ft        |  | BORING NO.<br>MW-3D  |  |
| DRILLING AGENCY         |  | Clear Heart Drilling, Inc.                              |  | DRILLER<br>Rick                             |  | DATE/TIME<br>STARTED 16 Nov 04<br>FINISHED 17 Nov 04         |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                          |  | COMPLETION<br>DEPTH 36.5 ft                 |  | SAMPLING<br>DEVICE Split Spoon                               |  |
| DRILLING METHOD         |  | Hollow Stem Auger                                       |  | BORING DIA. 14" (to 25 ft)<br>8" (25-35 ft) |  | CORE BARREL<br>2.5 inch $\phi$<br>LENGTH 18 inches           |  |
| SIZE AND TYPE OF CASING |  | Conductor Casing<br>2-inch PVC                          |  | FROM 0.0' TO 25.0'<br>0.0' TO 35.0'         |  | TYPE AND NO.<br>OF SAMPLES 7 Discrete Soil<br>LOGGED BY: JWS |  |
| TYPE OF PERFORATION     |  | 0.010 Slotted   |  | FROM 30.0' TO 35.0'                         |  | WATER FIRST<br>LEVEL ~13.0 ft bgs<br>SAMPLED /<br>MEASURED — |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Sand  |  | FROM 29.0' TO 36.5'                         |  | COMMENTS 140 lb hammer dropped 40 inches.                    |  |
| TYPE OF SEAL            |  | NO. 1 Bentonite<br>NO. 2 Cement Grout                   |  | FROM 27.0' TO 29.0'<br>FROM 0.0' TO 27.0'   |  |  |  |



TRACE #425/RG15/Mar05

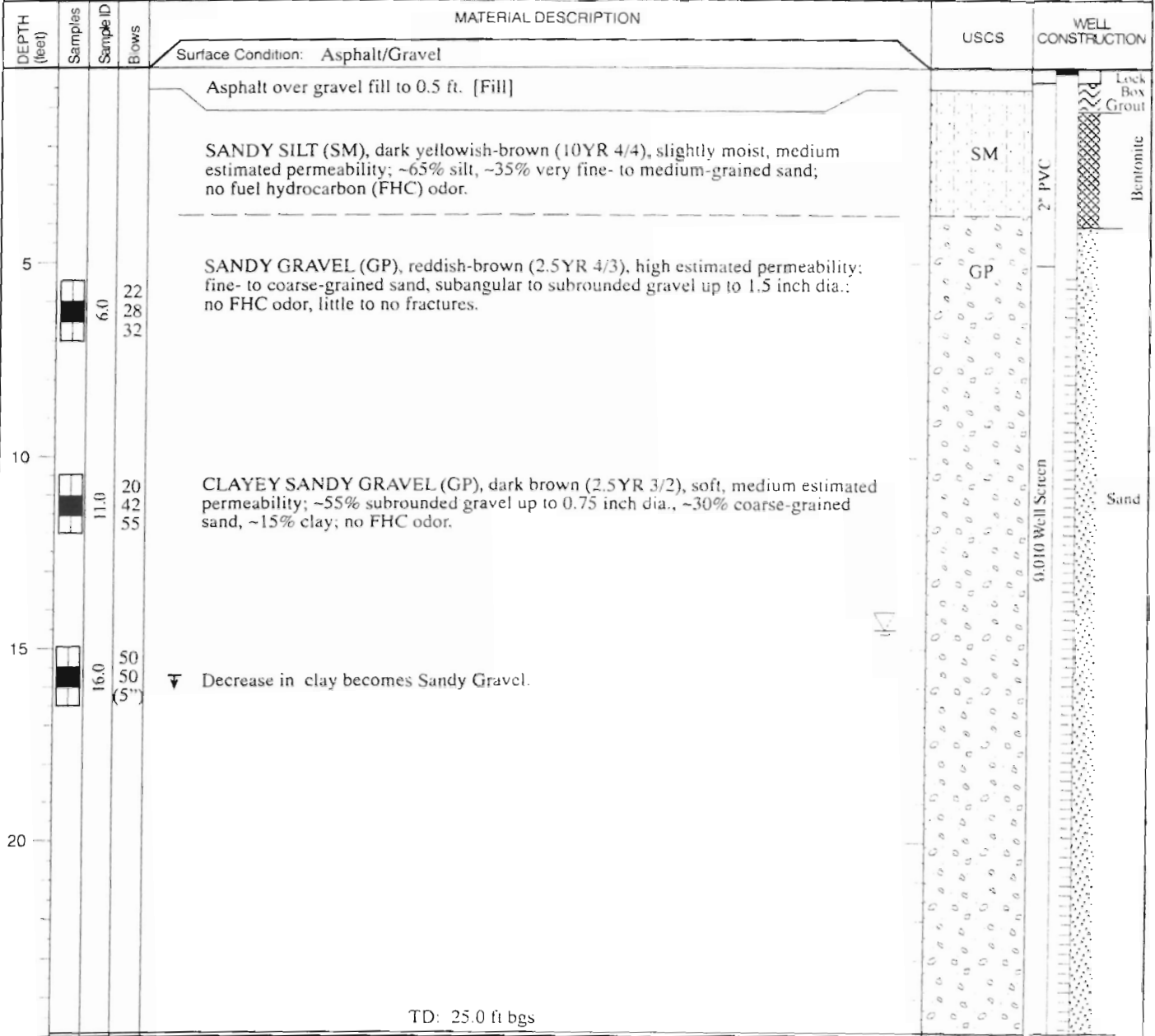
|           |                                      |  |              |      |                    |         |            |           |        |
|-----------|--------------------------------------|--|--------------|------|--------------------|---------|------------|-----------|--------|
|           |                                      | <b>MONITORING WELL LOG MW-3D</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |              |      | FIGURE<br><b>8</b> |         |            |           |        |
| REFERENCE | Hulsman Transportation<br>Santa Rosa | REVIEWER   | Andy Rodgers | DATE | December 2004      | REVISED | March 2005 | SHEET NO. | 1 of 2 |

| BORING LOCATION |         |           |                | 325 Yolanda Ave. (Deep Well, east of former excavation)  |          | CONTINUED LOG,<br>SHEET NO. | 2 of 2 | FOR<br>BORING NO. | MW-3D |
|-----------------|---------|-----------|----------------|--|----------|-----------------------------|--------|-------------------|-------|
| DEPTH<br>(feet) | Samples | Sample ID | Blows          | MATERIAL DESCRIPTION   | USCS     | WELL CONSTRUCTION           |        |                   |       |
| 25              |         | 25.5      | 5<br>6<br>4    | SANDY CLAY (CH), olive-gray (5Y 5/2), medium plasticity, medium low estimated permeability, no odor; ~70% clay, ~30% fine sand.  | CH       |                             |        |                   |       |
| 30              |         | 30.5      | 11<br>12<br>21 | SAND (SW), grayish-brown (GLE-Y-1 3/1), high estimated permeability, no FHC odor; ~100% fine to medium sand.   | SW       |                             |        |                   |       |
| 35              |         | 35.0      | 13<br>15<br>27 | GRAVELLY SAND (GM) with Silt, grayish-brown (GLE-Y-1, 3/1), low estimated permeability; ~45% fine-medium sand, ~35% angular gravel, ~20% silt.<br>SILTY CLAY (OL), tan gray, dry, no odor, low plasticity; ~50% clay, ~50% silt. | GM<br>OL |                             |        |                   |       |
|                 |         |           |                | TD: 36.5 ft bgs  |          |                             |        |                   |       |
| 40              |         |           |                |  |          |                             |        |                   |       |
| 45              |         |           |                |  |          |                             |        |                   |       |
| 50              |         |           |                |  |          |                             |        |                   |       |

TRACE #425/RG/15MAR05

|   |                                      |   |              |      |                    |         |            |           |        |
|---|--------------------------------------|---|--------------|------|--------------------|---------|------------|-----------|--------|
| <br><b>Environment, Community &amp; Opportunity Network</b> |                                      | <b>MONITORING WELL LOG MW-3D (Cont'd)</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |              |      | FIGURE<br><b>8</b> |         |            |           |        |
| REFERENCE   | Hulsman Transportation<br>Santa Rosa | REVIEWER  | Andy Rodgers | DATE | December 2004      | REVISED | March 2005 | SHEET NO. | 2 of 2 |

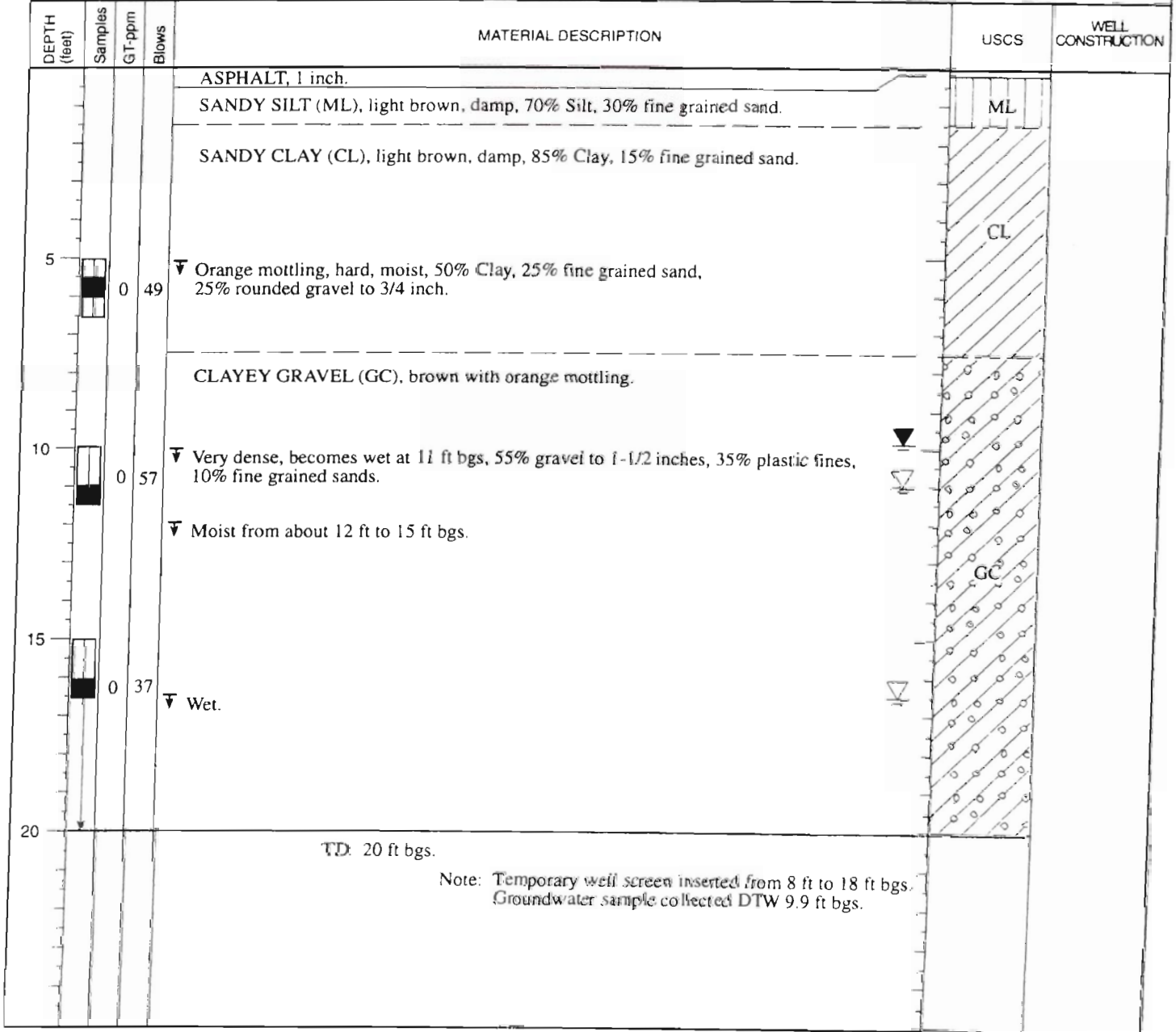
|                         |  |              |                     |                        |                                   |                    |           |
|-------------------------|--|--------------|---------------------|------------------------|-----------------------------------|--------------------|-----------|
| BORING LOCATION         | 325 Yolanda Ave. (Centered in asphalt west of of dock) |              | ELEVATION AND DATUM | TOC 143.60 ft          | BORING NO                         | MW-4               |           |
| DRILLING AGENCY         | Clear Heart, LLC                                       | DRILLER      | —                   | DATE/TIME STARTED      | 12 Apr 01                         | DATE/TIME FINISHED | 12 Apr 01 |
| DRILLING EQUIPMENT      | DR 10K Truck-mounted Drill Rig                         |              | COMPLETION DEPTH    | 25.0 ft                | SAMPLING DEVICE                   | Split Spoon        |           |
| DRILLING METHOD         | Hollow Stem Auger                                      | BORING DIA.  | 8 inches            | CORE BARREL            | 2.5 inch $\phi$                   | LENGTH             | 18 inches |
| SIZE AND TYPE OF CASING | 2-inch PVC   | FROM         | 0.0' TO 25.0'       | TYPE AND NO OF SAMPLES | 3 Composite Soil<br>1 Groundwater | LOGGED BY          | ASR       |
| TYPE OF PERFORATION     | 0.01 Slotted   | FROM         | 5.0' TO 25.0'       | WATER FIRST LEVEL      | 14.5 ft bgs                       | SAMPLED / MEASURED | —         |
| SIZE AND TYPE OF PACK   | #2/12 Sand   | FROM         | 4.0' TO 25.0'       | COMMENTS               |                                   |                    |           |
| TYPE OF SEAL            | NO. 1  | Bentonite    | FROM                | 1.0' TO 4.0'           |                                   |                    |           |
|                         | NO. 2  | Cement Grout | FROM                | 0.0' TO 1.0'           |                                   |                    |           |



TRACE #318/RG/05Nov01

|   |                                 |   |              |      |                    |         |  |           |        |
|---|---------------------------------|---|--------------|------|--------------------|---------|--|-----------|--------|
| <br><b>ECON</b><br>Environment, Community & Opportunity Network |                                 | <b>MONITORING WELL LOG MW-4</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |              |      | FIGURE<br><b>4</b> |         |  |           |        |
| REFERENCE   | Hulsman Transport<br>Santa Rosa | REVIEWER  | Andy Rodgers | DATE | November 2001      | REVISED |  | SHEET NO. | 1 of 1 |

|   |  |   |  |                     |  |             |  |                               |  |
|---|--|---|--|---------------------|--|-------------|--|-------------------------------|--|
| BORING LOCATION   |  | 325 Yolanda Ave (West of former UST)    |  | ELEVATION AND DATUM |  | BORING NO   |  | HB-1                          |  |
| DRILLING AGENCY   |  | Clear Heart, LLC                        |  | DRILLER             |  | I. G.       |  | DATE STARTED<br>DATE FINISHED |  |
|   |  |   |  |                     |  | 20 May 98   |  | → 20 May 98                   |  |
| DRILLING EQUIPMENT  |  | Truck Mounted Drill Rig / 140 lb hammer |  | COMPLETION DEPTH    |  | 20 feet     |  | SAMPLER                       |  |
|   |  |   |  |                     |  |             |  | Split Spoon                   |  |
| DRILLING METHOD   |  | Solid Flight Auger                      |  | BORING DIA.         |  | 4 inches    |  | NO. OF SAMPLES                |  |
|   |  |   |  |                     |  |             |  | 3 Soil & 1 Groundwater        |  |
| SIZE AND TYPE OF CASING   |  | — NA                                    |  | FROM — NA TO — NA   |  | WATER LEVEL |  | FIRST 11' bgs                 |  |
|   |  |   |  |                     |  |             |  | BEFORE SAMPLE                 |  |
|   |  |   |  |                     |  |             |  | 9.9' bgs                      |  |
| TYPE OF PERFORATION   |  | — NA                                    |  | FROM — NA TO — NA   |  | CORE BARREL |  | 2.5 inch φ                    |  |
|   |  |   |  |                     |  |             |  | LENGTH                        |  |
|   |  |   |  |                     |  |             |  | 18 inches                     |  |
| SIZE AND TYPE OF PACK   |  | — NA                                    |  | FROM — NA TO — NA   |  | LOGGED BY:  |  | EC&A, JC                      |  |
|   |  |   |  |                     |  |             |  | CHECKED BY: CYP               |  |
| TYPE OF SEAL  |  | NO. 1 — NA                              |  | FROM — NA TO — NA   |  | COMMENTS    |  |                               |  |
|   |  | NO. 2 — NA                              |  | FROM — NA TO — NA   |  |             |  |                               |  |
| Soil samples field-screened with Gastechtor Combustion Meter (GT). Results reported in parts per million (ppm). |  |   |  |                     |  |             |  |                               |  |



**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

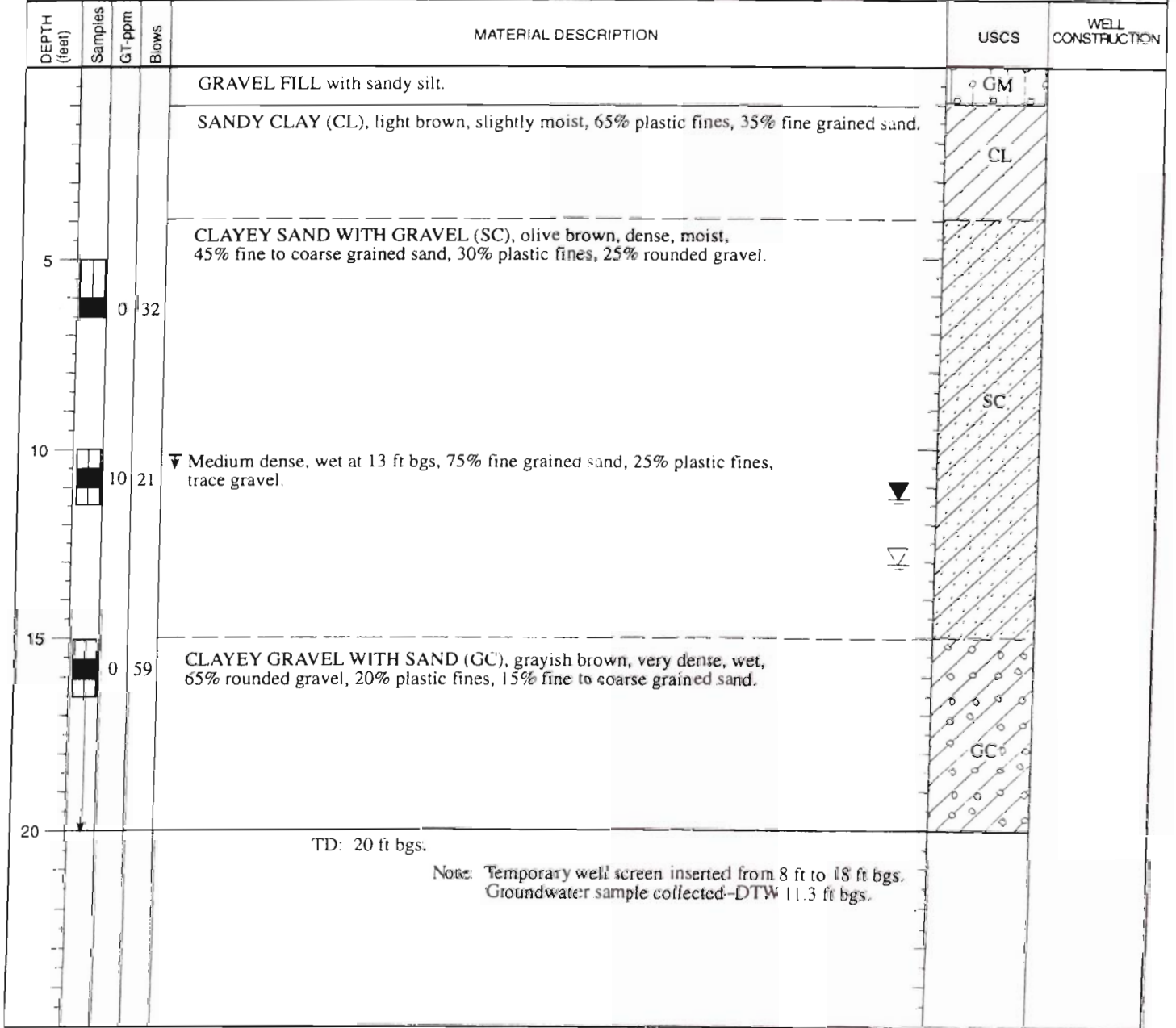
LOG OF BORING HB-1  
Hulsman Transportation Company  
325 Yolanda Avenue  
Santa Rosa, California

PLATE  
3

|            |             |             |     |      |            |         |  |       |            |
|------------|-------------|-------------|-----|------|------------|---------|--|-------|------------|
| JOB NUMBER | 0298.001.97 | REVIEWED BY | CYP | DATE | October 98 | REVISED |  | SHEET | No. 1 of 1 |
|------------|-------------|-------------|-----|------|------------|---------|--|-------|------------|



|                         |  |   |  |                     |  |   |  |                               |  |
|-------------------------|--|---|--|---------------------|--|---|--|-------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Avenue                      |  | ELEVATION AND DATUM |  | BORING NO   |  | HB-3                          |  |
| DRILLING AGENCY         |  | Clear Heart, LLC                        |  | DRILLER             |  | I. G.   |  | DATE STARTED<br>DATE FINISHED |  |
|                         |  |   |  |                     |  | 20 May 98   |  | 20 May 98                     |  |
| DRILLING EQUIPMENT      |  | Truck Mounted Drill Rig / 140 lb hammer |  | COMPLETION DEPTH    |  | 20 feet   |  | SAMPLER                       |  |
|                         |  |   |  |                     |  |   |  | Split Spoon                   |  |
| DRILLING METHOD         |  | Solid Flight Auger                      |  | BORING DIA.         |  | 4 inches  |  | NO. OF SAMPLES                |  |
|                         |  |   |  |                     |  |   |  | 3 Soil & 1 Groundwater        |  |
| SIZE AND TYPE OF CASING |  | — NA                                    |  | FROM — NA TO — NA   |  | WATER LEVEL   |  | FIRST 13' bgs                 |  |
|                         |  |   |  |                     |  |   |  | BEFORE SAMPLE                 |  |
|                         |  |   |  |                     |  |   |  | 11.3' bgs                     |  |
| TYPE OF PERFORATION     |  | — NA                                    |  | FROM — NA TO — NA   |  | CORE BARREL   |  | 2.5 inch $\phi$               |  |
|                         |  |   |  |                     |  |   |  | LENGTH                        |  |
|                         |  |   |  |                     |  |   |  | 18 inches                     |  |
| SIZE AND TYPE OF PACK   |  | — NA                                    |  | FROM — NA TO — NA   |  | LOGGED BY:  |  | EC&A, JC                      |  |
|                         |  |   |  |                     |  |   |  | CHECKED BY: CYP               |  |
| TYPE OF SEAL            |  | NO. 1 — NA                              |  | FROM — NA TO — NA   |  | COMMENTS Soil samples field-screened with Gastehtor Combustion Meter (GT). Results reported in parts per million (ppm). |  |                               |  |
|                         |  | NO. 2 — NA                              |  | FROM — NA TO — NA   |  |   |  |                               |  |



**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

LOG OF BORING HB-3  
Hulsman Transportation Company  
325 Yolanda Avenue  
Santa Rosa, California

PLATE  
5

|            |             |             |     |      |            |         |  |           |        |
|------------|-------------|-------------|-----|------|------------|---------|--|-----------|--------|
| JOB NUMBER | 0298,001.97 | REVIEWED BY | CYP | DATE | October 98 | REVISED |  | SHEET NO. | 1 of 1 |
|------------|-------------|-------------|-----|------|------------|---------|--|-----------|--------|

|                         |  |   |  |                                     |  |                                   |  |
|-------------------------|--|---|--|-------------------------------------|--|-----------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (asphalt west of of dock, 63x82 ft off bldg) |  | ELEVATION AND DATUM<br>Ground Level |  | BORING NO<br>EB-2                 |  |
| DRILLING AGENCY         |  | Clear Heart, LLC  |  | DATE/TIME STARTED                   |  | DATE/TIME FINISHED                |  |
|                         |  | GRILLER   |  | 10 Apr 01                           |  | 10 Apr 01                         |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                                |  | COMPLETION DEPTH                    |  | SAMPLING DEVICE                   |  |
|                         |  |   |  | 19.0 ft                             |  | Split Spoon                       |  |
| DRILLING METHOD         |  | Solid Flight Auger  |  | BORING DIA.                         |  | CORE BARREL                       |  |
|                         |  | 4 inches  |  | 2.5 inch $\phi$                     |  | LENGTH                            |  |
| SIZE AND TYPE OF CASING |  | FROM  |  | TO                                  |  | TYPE AND NO. OF SAMPLES           |  |
|                         |  |   |  |                                     |  | 1 Composite Soil<br>1 Groundwater |  |
| TYPE OF PERFORATION     |  | FROM  |  | TO                                  |  | LOGGED BY                         |  |
|                         |  |   |  |                                     |  | ASR                               |  |
| SIZE AND TYPE OF PACK   |  | FROM  |  | TO                                  |  | WATER FIRST LEVEL                 |  |
|                         |  |   |  |                                     |  | 17.0 ft bgs                       |  |
| TYPE OF SEAL            |  | NO. 1   |  | FROM                                |  | COMMENTS                          |  |
|                         |  |   |  |                                     |  |                                   |  |
|                         |  | NO. 2   |  | FROM                                |  |                                   |  |
|                         |  |   |  |                                     |  |                                   |  |

| DEPTH (feet) | Samples | Sample ID | Blows    | MATERIAL DESCRIPTION  | USCS | WELL CONSTRUCTION |
|--------------|---------|-----------|----------|---|------|-------------------|
|              |         |           |          | Surface Condition: Asphalt/Gravel flat.   |      |                   |
|              |         |           |          | Asphalt over baserock/gravel fill to 0.5 ft. [Fill]   |      |                   |
| 5            |         |           |          | SILTY SAND (SM), brown (10YR 4/2) slightly moist, medium estimated permeability; ~70% poorly-graded fine- to medium-grained sand, ~30% silt; no fuel hydrocarbon odor.                                | SM   |                   |
|              |         |           |          | I Presence of gravel (driller contact).   |      |                   |
| 10           |         |           |          |   |      |                   |
|              |         |           |          | SILTY SANDY GRAVEL (GM), dark grayish-brown (10YR 4/2), medium to high estimated permeability; ~60% subrounded gravel up to 1.0 inch dia., ~25% fine- to medium-grained sand, ~15% silt; no FHC odor. | GM   |                   |
| 15           |         |           |          |   |      |                   |
|              |         |           | 16<br>28 |   |      |                   |
|              |         | 16.0      |          | Water Sample Collected (6 VOA's).<br>TD: 19.0 ft bgs  |      |                   |
| 20           |         |           |          |   |      |                   |

|                       |   |                        |   |          |                  |             |
|-----------------------|---|------------------------|---|----------|------------------|-------------|
| TRACE #318/RC/09NOV01 | <b>ECON</b><br>Environment, Community & Opportunity Network |                        | <b>SOIL BORING LOG EB-2</b><br>Helsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |          |                  | FIGURE<br>5 |
|                       | REFERENCE: Helsman Transport<br>Santa Rosa                  | REVIEWER: Andy Rodgers | DATE: November 2001   | REVISED: | SHEET NO. 1 of 1 |             |

DRAFT

| DEPTH IN FEET | SAMPLE |      |          | DESCRIPTION   | WELL CONSTRUCTION                         |
|---------------|--------|------|----------|---|---|
|               | NUMBER | TYPE | LOCATION |   |   |
| 2             |        |      |          | 2.0 inches: Asphalt   | CONCRETE                                  |
| 4             |        | CL   |          | 2.0 inches to 2.5 feet: Brown <u>silty sand</u> , moderate <u>clay</u> , damp.          |   |
| 6             |        | SM   |          | 2.5 to 5.5 feet: Tan, <u>silty sand</u> , moist, 10% clay, crumbly to slightly plastic. | 2" Ø PVC PIPE<br>BENTONITE                |
| 8             |        | CL   |          | 5.5 to 10.5 feet: Brown, <u>silty clay</u> , moist.                                     |   |
| 10            |        | SP   |          | 10.5 to 18.0 feet: Gray-brown, <u>sand and gravel</u> , moist, slightly clayey.         | 2" PVC W/0.020" SLOTTED SCREEN<br>#3 SAND |
| 12            |        |      |          |   |   |
| 14            |        |      |          |   |   |
| 16            |        |      |          |   |   |
| 18            |        | SP   |          | 18.0 to 25.0 feet: Brown-gray, fine-grained, sandy <u>gravel</u> , slight clay, moist.  |   |
| 20            |        |      |          |   |   |
| 22            |        |      |          |   |   |
| 24            |        |      |          | Gasoline odor at 23.0 feet.   |   |
| 26            |        |      |          | End of boring at 25.0 feet.   |   |
| 28            |        |      |          |   |   |

**IT Enviroscience**

1815 Arnold Drive • Martinez, CA 94553  
Telephone (415) 228-8400

MALM METAL PRODUCTS  
2640 SANTA ROSA AVENUE  
SANTA ROSA, CALIFORNIA

PLATE

3

PREPARED BY : MMH

LOG OF BORING NO. 15

CHECKED BY :

PROJECT NO. : 3019

DRAFT

WELL CONSTRUCTION

| DEPTH IN FEET | SAMPLE |      |          |      | DESCRIPTION  | WELL CONSTRUCTION |
|---------------|--------|------|----------|------|--|-------------------|
|               | NUMBER | TYPE | LOCATION | USCS |  |                   |
|               |        |      |          |      | 6.0 inches: Asphalt  |                   |
| 2             |        |      |          | Fill | 6.0 inches to 2.0 feet: Fill   |                   |
| 4             |        |      |          | SM   | 2.0 to 7.5 feet: Medium brown, silty, gravelly sand, damp, slightly plastic clay fracture.         |                   |
| 6             |        |      |          |      |  |                   |
| 8             |        |      |          | CL   | 7.5 to 9.5 feet: Dark brown, stiff clay, dry to damp.  |                   |
| 10            |        |      |          | SP   | 9.5 to 25.0 feet: Brown, gravel and sand with some clay, dense, dry to damp. Slight gasoline odor. |                   |
| 12            |        |      |          |      |  |                   |
| 14            |        |      |          |      |  |                   |
| 16            |        |      |          |      | 16.5 to 18.0 feet: Clay lense.   |                   |
| 18            |        |      |          |      |  |                   |
| 20            |        |      |          |      |  |                   |
| 22            |        |      |          |      |  |                   |
| 24            |        |      |          |      |  |                   |
| 26            |        |      |          |      | End of boring at 25.0 feet.  |                   |
| 28            |        |      |          |      |  |                   |

CONCRETE  
 2" Ø PVC PIPE  
 BENTONITE  
 #3 SAND  
 2" PVC W/0.020" SLOTTED SCREEN

**IT Enviroscience**  
 1815 Arnold Drive • Martinez, CA 94553  
 Telephone (415) 228-8400

MALM METAL PRODUCTS  
 2640 SANTA ROSA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
  
**4**

PREPARED BY : MMH  
 CHECKED BY :

LOG OF BORING NO. 16  
 PROJECT NO. : 3019

DRAFT

| DEPTH IN FEET | SAMPLE |      |          |      | DESCRIPTION   | WELL CONSTRUCTION |
|---------------|--------|------|----------|------|---|-------------------|
|               | NUMBER | TYPE | LOCATION | USCS |   |                   |
|               |        |      |          |      | 6.0 inches: Asphalt   |                   |
| 2             |        |      |          | Fill | 6.0 inches to 2.0 feet: Fill  |                   |
| 4             |        |      |          | SM   | 2.0 to 8.0 feet: Medium brown, silty, gravelly sand, damp, slightly plastic.<br>Clay seam at 6.0 to 7.0 feet. |                   |
| 8             |        |      |          | CL   | 8.0 to 9.5 feet: Medium dark brown clay, stiff, dry to damp.  |                   |
| 10            |        |      |          | SP   | 9.5 to 25.0 feet: Brown, gravel and sand, with clay, slightly plastic, dry to damp, slight gasoline odor.     |                   |
| 12            |        |      |          |      |   |                   |
| 14            |        |      |          |      |   |                   |
| 16            |        |      |          |      |   |                   |
| 18            |        |      |          |      | Lense of gray-green sand at 19.0 to 21.0 feet.  |                   |
| 20            |        |      |          |      |   |                   |
| 22            |        |      |          |      |   |                   |
| 24            |        |      |          |      |   |                   |
| 26            |        |      |          |      | End of boring at 25.0 feet.   |                   |
| 28            |        |      |          |      |   |                   |

CONCRETE  
 2" PVC PIPE  
 BENTONITE  
 #3 SAND  
 2" PVC W/0.020" SLOTTED SCREEN

**IT Enviroscience**  
 1815 Arnold Drive • Martinez, CA 94553  
 Telephone (415) 228-8400

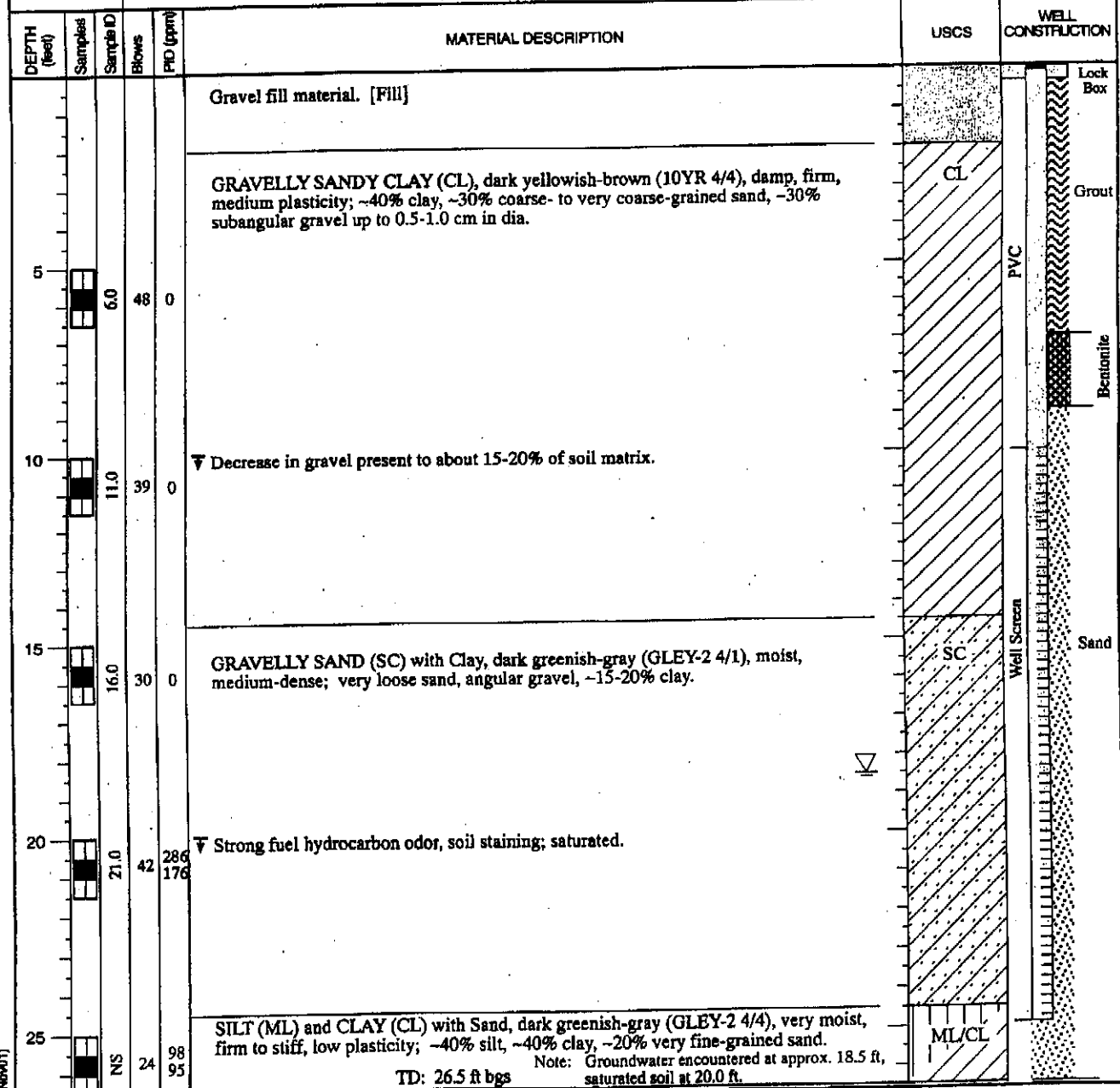
MALM METAL PRODUCTS  
 2640 SANTA ROSA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
**5**

PREPARED BY : MMH  
 CHECKED BY :

LOG OF BORING NO. 17  
 PROJECT NO. : 3019

|                         |  |  |  |                     |  |                |  |                    |  |  |  |
|-------------------------|--|--|--|---------------------|--|----------------|--|--------------------|--|--|--|
| BORING LOCATION         |  | 2640 Santa Rosa Ave (30 ft west of MW-3) |  | ELEVATION AND DATUM |  | Ground Surface |  | BORING NO.         |  | B-27   |  |
| DRILLING AGENCY         |  | Clear Heart, LLC                         |  | DRILLER             |  | Rick           |  | DATE STARTED       |  | 28 Aug 01  |  |
| DRILLING EQUIPMENT      |  | Deerock DR 10K Truck-mounted Rig         |  | DATE FINISHED       |  | 28 Aug 01      |  | COMPLETION DEPTH   |  | 26.5 ft  |  |
| DRILLING METHOD         |  | Hollow Stem Auger                        |  | BORING DIA.         |  | 8.0 inches     |  | SAMPLER            |  | CA Modified Split Spoon  |  |
| SIZE AND TYPE OF CASING |  | 2 inch Schedule 40 PVC                   |  | NO. OF SAMPLES      |  | 4 Soil         |  | WATER LEVEL        |  | FIRST -18.5 ft   |  |
| TYPE OF PERFORATION     |  | 0.10 Slotted                             |  | FROM                |  | 10.0 TO 25.0   |  | MEASURED / SAMPLED |  | None   |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Sand                               |  | FROM                |  | 9.0 TO 26.5    |  | CORE BARREL        |  | 2.0 inch $\phi$  |  |
| TYPE OF SEAL            |  | NO. 1 Bentonite Pellets                  |  | FROM                |  | 7.0 TO 9.0     |  | LOGGED BY:         |  | BLW  |  |
|                         |  | NO. 2 Portland Cement Grout              |  | FROM                |  | 0.0 TO 7.0     |  | CHECKED BY:        |  |  |  |
|                         |  |  |  |                     |  |                |  | COMMENTS           |  | Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). Blows by 40 lb hammer, 40 inch drop. |  |



TRACE #261/RGZ77Nov01

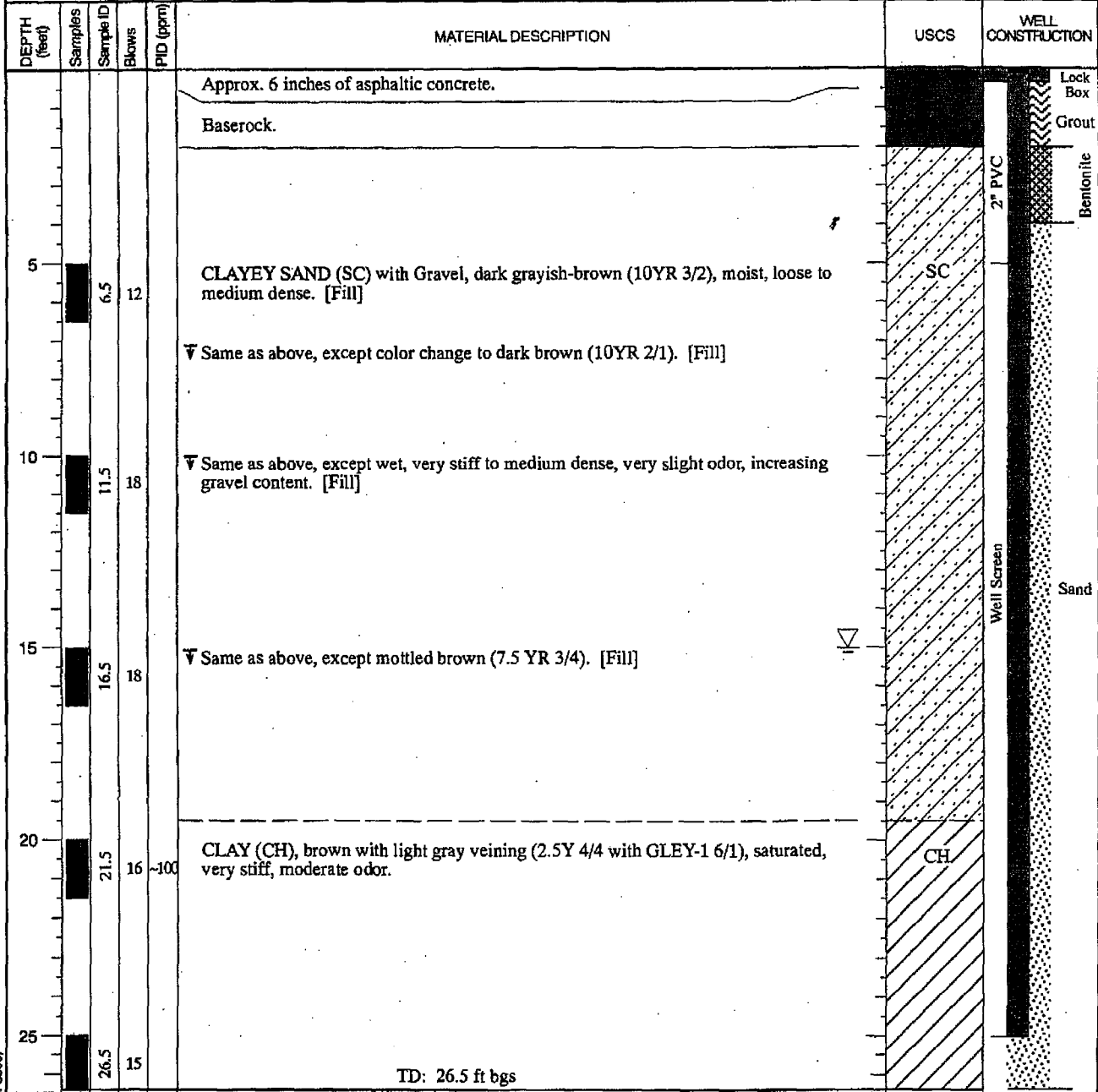
**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF SOIL BORING B-27**  
2640 Santa Rosa Avenue  
Santa Rosa, California

PLATE  
7

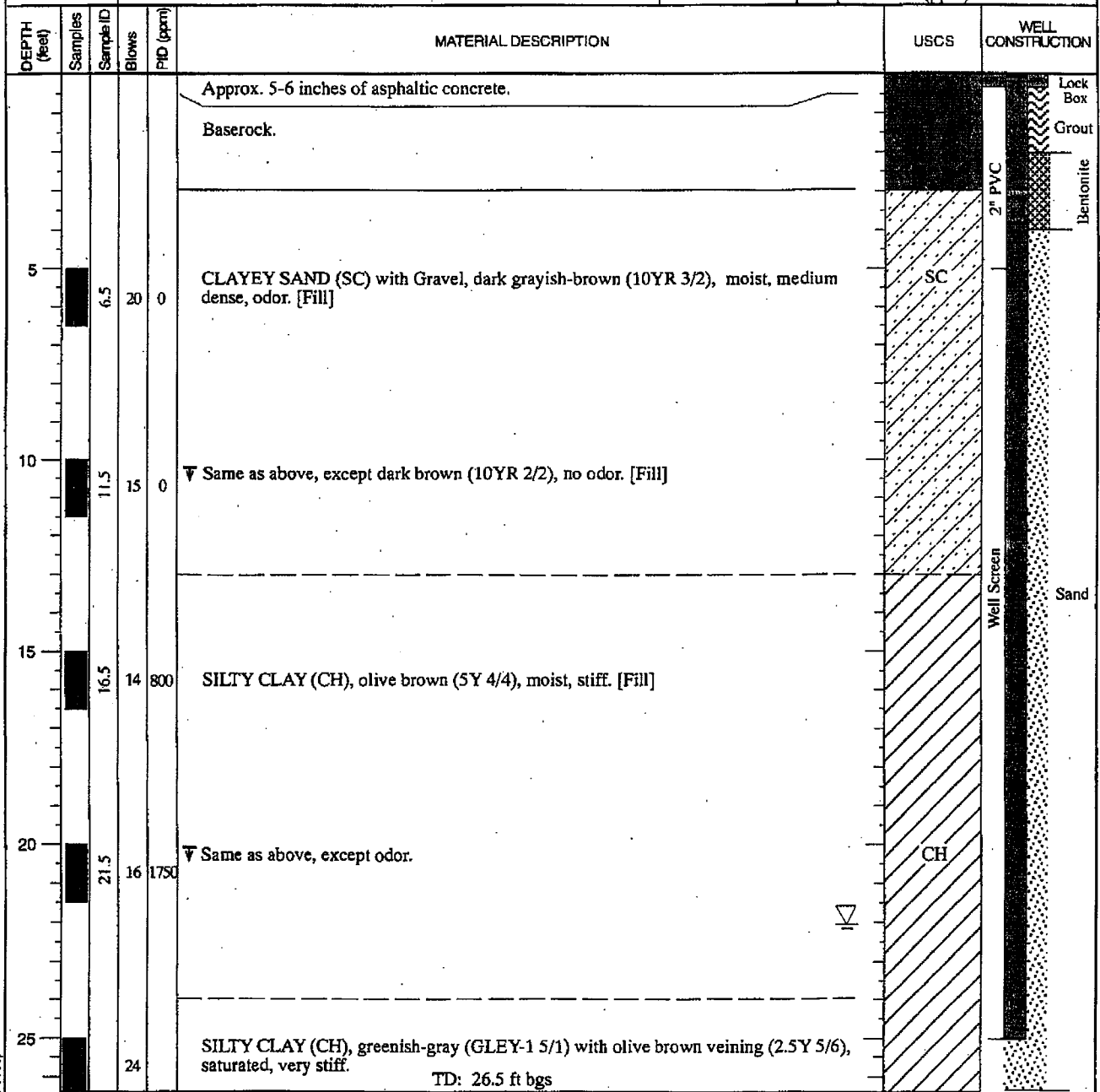
|            |             |             |                         |            |                |         |  |           |        |
|------------|-------------|-------------|-------------------------|------------|----------------|---------|--|-----------|--------|
| JOB NUMBER | 0266,002.96 | REVIEWED BY | EC&A, Elizabeth Carruth | DATE DRAWN | September 2001 | REVISED |  | SHEET NO. | 1 of 1 |
|------------|-------------|-------------|-------------------------|------------|----------------|---------|--|-----------|--------|

|  |  |                                      |  |                                    |  |
|--|--|--------------------------------------|--|------------------------------------|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (S edge of former gas UST over-excav, btwn SP3 & 4)  |  | ELEVATION AND DATUM<br>TOC 136.45 ft |  | BORING NO.<br>B-29                 |  |
| DRILLING AGENCY<br>Clear Heart, Inc.   |  | DRILLER<br>Rick                      |  | DATE STARTED<br>12 Jul 04          |  |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig   |  | COMPLETION DEPTH<br>26.5 ft          |  | SAMPLER<br>CA Modified Split Spoon |  |
| DRILLING METHOD<br>Hollow Stem Auger   |  | BORING DIA.<br>8.0 inches            |  | NO. OF SAMPLES<br>5 Soil           |  |
| SIZE AND TYPE OF CASING<br>2.0 inch dia Schedule 40 PVC  |  | FROM 0.0 ft TO 25.0 ft               |  | WATER LEVEL<br>FIRST -1.5 ft       |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted  |  | FROM 5.0 ft TO 25.0 ft               |  | CORE BARREL<br>2.0 inch φ          |  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand   |  | FROM 4.0 ft TO 26.5 ft               |  | LOGGED BY:<br>LAS, LKC             |  |
| TYPE OF SEAL   |  | NO. 1<br>Bentonite Chips             |  | FROM 2.0 ft TO 4.0 ft              |  |
|  |  | NO. 2<br>Portland Cement Grout       |  | FROM 0.0 ft TO 2.0 ft              |  |
| COMMENTS<br>Passes through over-excavation fill. Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). |  |                                      |  |                                    |  |



TRACE#666/RG/02F-8805

|  |                                |                                      |  |  |  |
|--|--------------------------------|--------------------------------------|--|--|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (SW edge of former gas UST over-excav, btwn SP1 & 2) |                                | ELEVATION AND DATUM<br>TOC 136.19 ft |  | BORING NO.<br>B-30   |  |
| DRILLING AGENCY<br>Clear Heart, Inc.   |                                | DRILLER<br>Rick                      |  | DATE STARTED<br>DATE FINISHED<br>12 Jul 04 → 12 Jul 04   |  |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig   |                                | COMPLETION DEPTH<br>26.5 ft          |  | SAMPLER<br>CA Modified Split Spoon   |  |
| DRILLING METHOD<br>Hollow Stem Auger   |                                | BORING DIA.<br>8.0 inches            |  | NO. OF SAMPLES<br>4 Soil   |  |
| SIZE AND TYPE OF CASING<br>2.0 inch dia Schedule 40 PVC                                      |                                | FROM 0.0 ft TO 25.0 ft               |  | WATER LEVEL<br>FIRST -22 ft<br>MEASURED / SAMPLED  |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted  |                                | FROM 5.0 ft TO 25.0 ft               |  | CORE BARREL<br>2.0 inch φ<br>LENGTH<br>18 inches   |  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand   |                                | FROM 4.0 ft TO 26.5 ft               |  | LOGGED BY:<br>LAS, LKC<br>CHECKED BY:<br>RWE   |  |
| TYPE OF SEAL   | NO. 1<br>Bentonite Chips       | FROM 2.0 ft TO 4.0 ft                |  | COMMENTS<br>Passes through over-excavation fill. Soil samples field screened with Photo-ionization Detector (PID), results in parts per million (ppm). |  |
|  | NO. 2<br>Portland Cement Grout | FROM 0.0 ft TO 2.0 ft                |  |  |  |



TRACE 0668 (G/03Feb05)

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-30**

2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
**5**

|                            |                                    |                   |         |                  |
|----------------------------|------------------------------------|-------------------|---------|------------------|
| JOB NUMBER<br>0266, 002.96 | REVIEWED BY<br>EC&A, Lisa Scorallo | DATE<br>July 2004 | REVISED | SHEET NO. 1 of 1 |
|----------------------------|------------------------------------|-------------------|---------|------------------|



|                         |  |  |  |                         |  |                    |  |   |  |  |  |
|-------------------------|--|--|--|-------------------------|--|--------------------|--|---|--|--|--|
| BORING LOCATION         |  | 2640 Santa Rosa Ave. (~5 ft SW of B-28 and ~13 ft NW of SP-10) |  | ELEVATION AND DATUM     |  | TOC 140.12 ft      |  | BORING NO.  |  | B-35D                                  |  |
| DRILLING AGENCY         |  | Clear Heart, Inc.  |  | DRILLER                 |  | Chris/Pa           |  | DATE STARTED  |  | 15 Jul 04                              |  |
|                         |  |  |  |                         |  |                    |  | DATE FINISHED   |  | 22 Jul 04                              |  |
| DRILLING EQUIPMENT      |  | Deep Rock DR10K Truck-mounted rig                              |  | COMPLETION DEPTH        |  | 41.5 ft bgs        |  | SAMPLER   |  | Drive                                  |  |
| DRILLING METHOD         |  | Hollow Stem Auger  |  | BORING DIA.             |  | 8.0 inches         |  | NO. OF SAMPLES  |  | 8 Soil                                 |  |
| SIZE AND TYPE OF CASING |  | Conductor Casing<br>2.0 inch dia Schedule 40 PVC               |  | FROM 0.5 ft TO 25.0 ft  |  | 25.0 ft TO 40.0 ft |  | WATER LEVEL   |  | FIRST ~10 ft bgs                       |  |
| TYPE OF PERFORMANCE     |  | 0.010 inch Slotted   |  | FROM 35.0 ft TO 40.0 ft |  | CORE BARREL        |  | 2.0 inch φ  |  | MEASURED / SAMPLED<br>LENGTH 18 inches |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Lonestar Sand  |  | FROM 34.0 ft TO 41.5 ft |  | LOGGED BY:         |  | RWE   |  | CHECKED BY: RWE                        |  |
| TYPE OF SEAL            |  | NO. 1 Bentonite Chips  |  | FROM 30.0 ft TO 34.0 ft |  | COMMENTS           |  | Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). |  |  |  |
|                         |  | NO. 2 Portland Cement Grout                                    |  | FROM 0.5 ft TO 30.0 ft  |  |                    |  |   |  |  |  |

| DEPTH (feet) | Samples | Sample ID | Blows | PID (ppm) | MATERIAL DESCRIPTION   | USCS | WELL CONSTRUCTION |
|--------------|---------|-----------|-------|-----------|--|------|-------------------|
| 0 - 1.8      |         |           |       |           | Approx. 18 inches of asphaltic concrete.   |      | Lock Box          |
| 1.8 - 5.0    |         |           |       |           | Basereck   |      |                   |
| 5.0 - 11.0   | 6.0     |           | 39    |           | CLAYEY SAND (SC) with Gravel, mottled dark brown (7.5YR 3/2) to strong brown (7.5YR 5/6-8), damp, dense. Sand is well sorted, coarse to very coarse, subangular to subrounded, Franciscan debris, trace red volcanics. | SC   |                   |
| 11.0 - 16.0  | 11.0    |           | 61    | 1.5       | SANDY GRAVEL (GW) with Clay, dark olive gray (5Y 3/2), wet, very dense; Franciscan debris, trace red volcanics, medium to coarse sand, pebbles to 2" long.   | GW   | Conductor Casing  |
| 16.0 - 21.5  | 16.0    |           | 58    | 2.1       | Same as above.   |      | Grout             |
| 21.5 - 25.0  | 21.5    |           | 58    | 370       | SANDY GRAVEL (GP), very dark gray (N3), saturated, very dense, very permeable; strong FHC odor; coarse to very coarse sand, subangular to subrounded gravel up to 1/2" long, Franciscan debris and quartz.             | GP   |                   |
| 25.0 - 41.5  |         |           |       |           |  | CL   |                   |

**EDD CLARK & ASSOCIATES, INC.**

ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-35D**

2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE

10

|            |              |             |                   |      |           |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED |  | SHEET NO. | 1 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|

TRACE#669RG07 Jan09

| BORING LOCATION  |         |           |       |           | CONTINUED LOG SHEET NO.  | FOR BORING NO. |                   |
|--|---------|-----------|-------|-----------|--|----------------|-------------------|
| 2640 Santa Rosa Ave. (-5 ft SW of B-28 and ~13 ft NW of SP-10) |         |           |       |           | 2 of 2   | B-35D          |                   |
| DEPTH (feet)   | Samples | Sample ID | Blows | PID (ppm) | MATERIAL DESCRIPTION   | USCS           | WELL CONSTRUCTION |
| 25   |         | 26.5      | 28    | 8.0       | SANDY CLAY grading downward to CLAY (CL), mottled brownish-yellow (10YR 6/6) to light brownish-gray (10YR 6/2), MnO (?) spots, moist, very stiff; medium grained well sorted sand.   | CL             |                   |
| 30   |         | 31.5      | 28    |           | CLAY (CL) with Sand, dark brownish-gray to olive brown (2.5Y 4/2-4), moist, very stiff; sand is mostly coarse.   | CL             |                   |
| 35   |         | 36.5      | 54    |           | CLAYEY SANDY GRAVEL (GC) grading downward into CLAYEY GRAVELLY SAND (SC), dark grayish-brown to olive brown (2.5Y 4/2-4), wet, dense. Sand is medium to coarse, gravel is subrounded to subangular pebbles up to 3/4" long, Franciscan debris. | GC             |                   |
| 40   |         | 41.5      | 81    |           | Same as above, except trace red volcanic debris and black chert, otherwise mostly quartz, subrounded to angular.   | SC             |                   |
|  |         |           |       |           | TD: 41.5 ft bgs  |                |                   |
| 45   |         |           |       |           |  |                |                   |
| 50   |         |           |       |           |  |                |                   |

TRACE#386RG07 Jan05

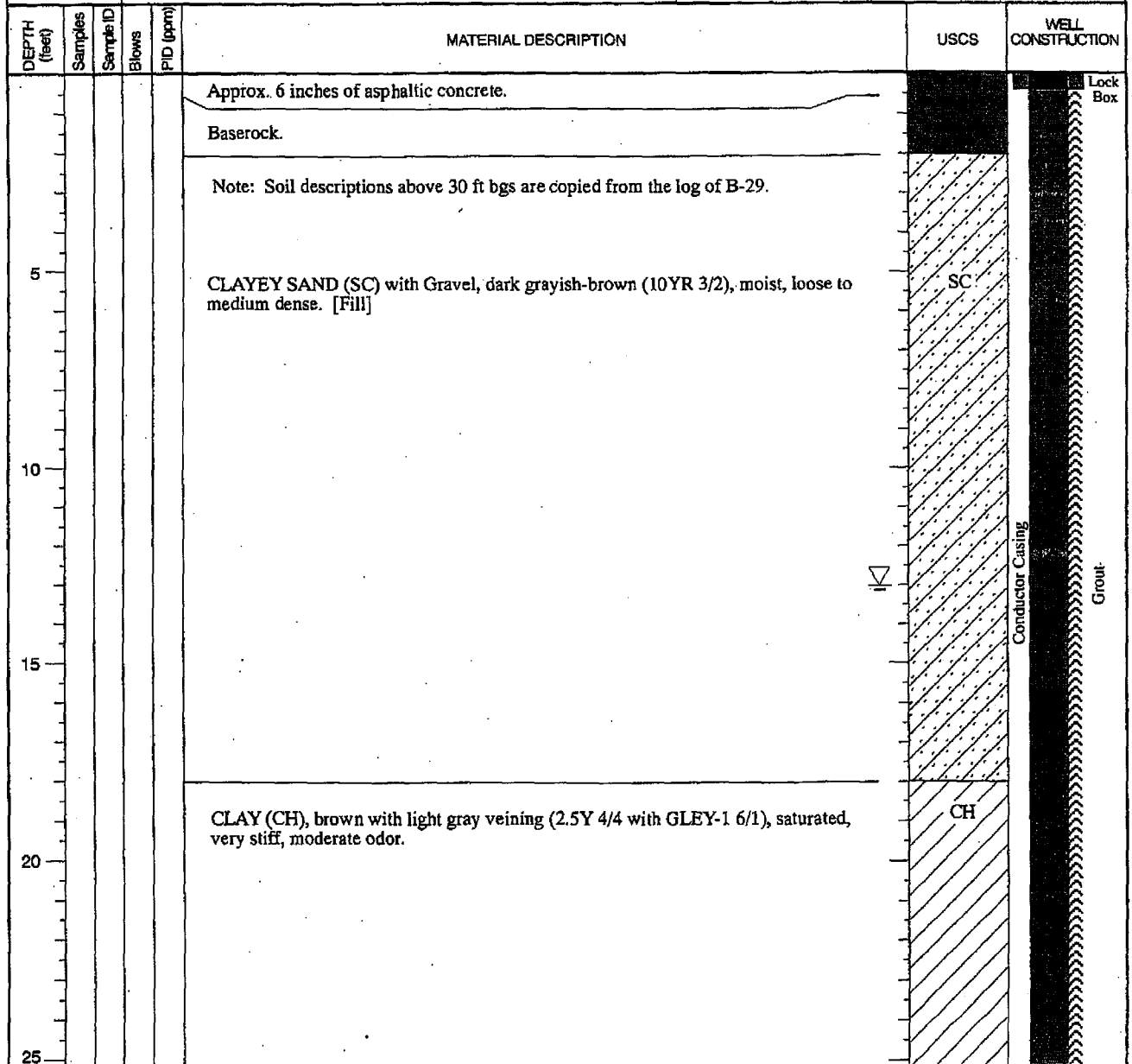
**EDD CLARK & ASSOCIATES, INC.**  
 ENVIRONMENTAL CONSULTANTS

LOG OF MONITORING WELL B-35D (Cont'd)  
 2640 Santa Rosa Avenue  
 Santa Rosa, California

FIGURE  
 10

|            |              |             |                   |      |           |         |                  |
|------------|--------------|-------------|-------------------|------|-----------|---------|------------------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED | SHEET NO. 2 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|------------------|

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (S edge of former gas UST over-excav, next to B-29) |  | ELEVATION AND DATUM<br>TOC 136.55 ft              |  | BORING NO.<br>B-36D                    |  |
| DRILLING AGENCY<br>Clear Heart, Inc.  |  | DRILLER<br>Rick                                   |  | DATE STARTED<br>14 Jul 04              |  |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig  |  | COMPLETION DEPTH<br>40.0 ft                       |  | DATE FINISHED<br>16 Jul 04             |  |
| DRILLING METHOD<br>Solid Flight/Hollow Stem Auger   |  | BORING DIA.<br>9.0/8.0 inches                     |  | NO. OF SAMPLES<br>3 Soil               |  |
| SIZE AND TYPE OF CASING<br>Conductor Casing, 9.0 inch<br>2.0 inch PVC                       |  | FROM 0.0 ft TO 25.0 ft<br>0.0 ft TO 40.0 ft       |  | WATER LEVEL<br>FIRST ~13.0 ft          |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted   |  | FROM 35.0 ft TO 40.0 ft                           |  | MEASURED / SAMPLED<br>LENGTH 18 inches |  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand  |  | FROM 34.0 ft TO 40.0 ft                           |  | CORE BARREL<br>2.0 inch $\phi$         |  |
| TYPE OF SEAL<br>NO. 1 Bentonite Chips<br>NO. 2 Portland Cement Grout                        |  | FROM 32.5 ft TO 34.0 ft<br>FROM 0.0 ft TO 32.5 ft |  | LOGGED BY: RWE<br>CHECKED BY: RWE      |  |
| COMMENTS  |  |   |  |  |  |



TRACE#3687GMZF-0005

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-36D**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
11

|                            |                                  |                   |         |                     |
|----------------------------|----------------------------------|-------------------|---------|---------------------|
| JOB NUMBER<br>0266, 002.96 | REVIEWED BY<br>EC&A, Richard Ely | DATE<br>July 2004 | REVISED | SHEET NO.<br>1 of 2 |
|----------------------------|----------------------------------|-------------------|---------|---------------------|

| BORING LOCATION |         |           |       |  | 2640 Santa Rosa Ave. (S edge of former gas UST over-excav, next to B-29) |      | CONTINUED LOG,<br>SHEET NO. | 2 of 2 | FOR<br>BORING NO. | B-36D |
|-----------------|---------|-----------|-------|--|--|------|-----------------------------|--------|-------------------|-------|
| DEPTH<br>(feet) | Samples | Sample ID | Blows | PID (ppm)  | MATERIAL DESCRIPTION   | USCS | WELL<br>CONSTRUCTION        |        |                   |       |
| 25              |         |           |       |  | CLAY (CL)  | CL   |                             |        |                   |       |
| 30              |         | 31.5      | 29    | CLAY (CL) with Sand, dark grayish-brown (2.5Y 4/2), moist, very stiff; medium to coarse sand.  | CL   |      |                             |        |                   |       |
| 35              |         | 36.5      | 28    | CLAYEY SAND (SC) grading downward to SAND (SP) with Clay, moist, dense; trace of subrounded gravel, mostly coarse angular-subrounded sand. | SC/SP  |      |                             |        |                   |       |
| 40              |         | 40.0      | 39    | SANDY CLAY (CL), light yellowish-brown (2.5Y 6/4), damp, very stiff; mostly medium sand.   | CL   |      |                             |        |                   |       |
|                 |         |           |       |  | TD: 40.0 ft bgs  |      |                             |        |                   |       |
| 45              |         |           |       |  |  |      |                             |        |                   |       |
| 50              |         |           |       |  |  |      |                             |        |                   |       |

TRACE #366/RG/07-Jan05

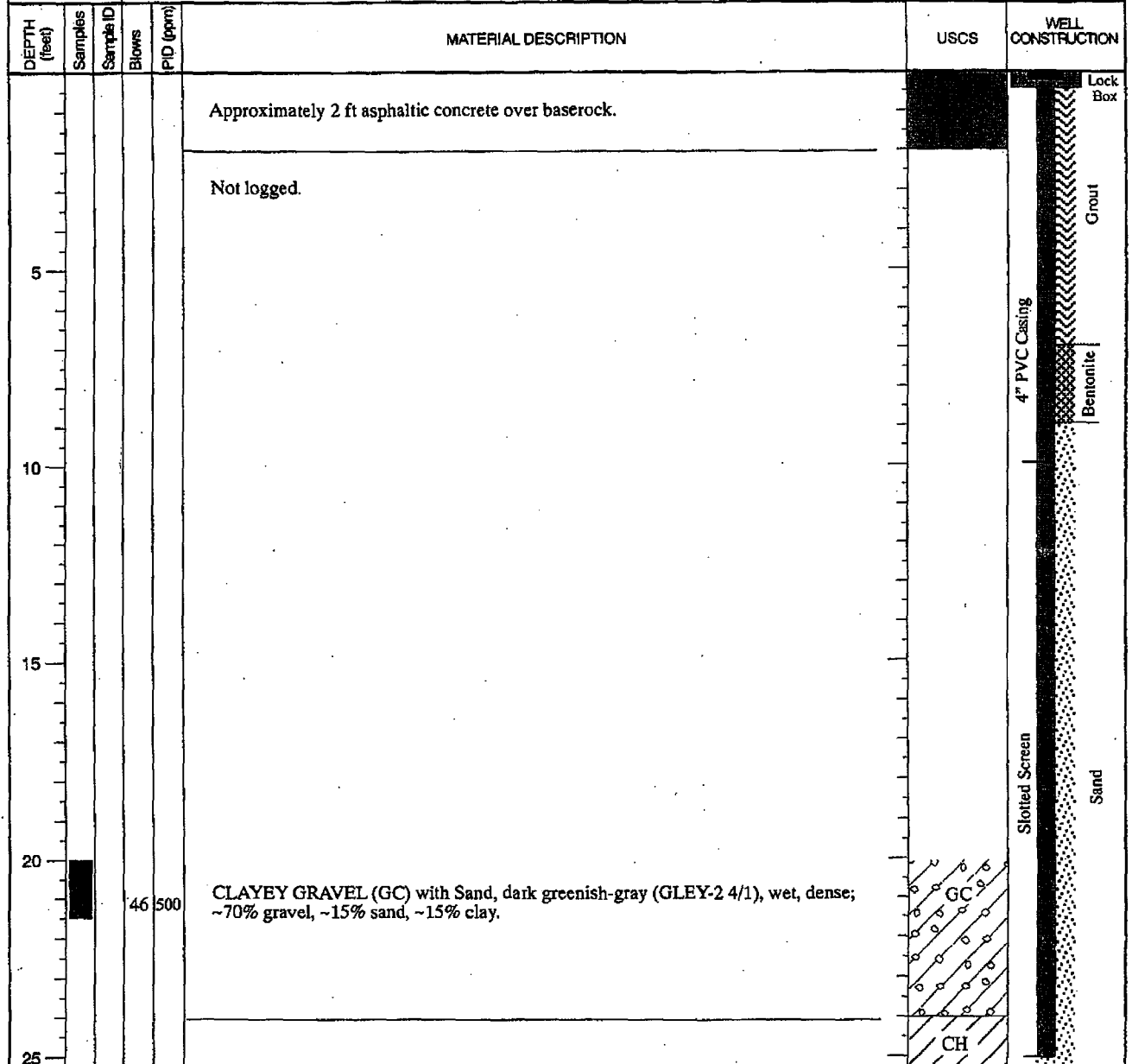
**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-36D (Cont'd)**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
11

|            |              |             |                   |      |           |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED |  | SHEET NO. | 2 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|

|   |  |   |  |                         |  |                       |  |                                    |  |
|---|--|---|--|-------------------------|--|-----------------------|--|------------------------------------|--|
| BORING LOCATION   |  | 2640 Santa Rosa Ave. (~53 ft ENE former gasoline UST) |  | ELEVATION AND DATUM     |  | TOC 138.91 ft         |  | BORING NO. EW-6                    |  |
| DRILLING AGENCY   |  | Clear Heart, Inc.                                     |  | DRILLER                 |  | Pablo                 |  | DATE STARTED<br>DATE FINISHED      |  |
|   |  |   |  |                         |  | 04 Aug 04             |  | → 04 Aug 04                        |  |
| DRILLING EQUIPMENT  |  |   |  | DR5K Truck-mounted rig  |  | COMPLETION DEPTH      |  | 26.5 ft                            |  |
|   |  |   |  |                         |  |                       |  | SAMPLER<br>CA Modified Split Spoon |  |
| DRILLING METHOD   |  | Hollow Stem Auger                                     |  | BORING DIA.             |  | 10.0 inches           |  | NO. OF SAMPLES                     |  |
|   |  |   |  |                         |  |                       |  | 2 Soil                             |  |
| SIZE AND TYPE OF CASING   |  | 4 inch Schedule 40 PVC                                |  | FROM 0.0 ft TO 25.0 ft  |  | WATER LEVEL           |  | FIRST 15.0 ft                      |  |
|   |  |   |  |                         |  |                       |  | MEASURED / SAMPLED                 |  |
| TYPE OF PERFORATION   |  | 0.020 inch slotted                                    |  | FROM 10.0 ft TO 25.0 ft |  | CORE BARREL           |  | 2.0 inch φ                         |  |
|   |  |   |  |                         |  |                       |  | LENGTH 18 inches                   |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Monterey Sand                                   |  | FROM 9.0 ft TO 26.5 ft  |  | LOGGED BY:            |  | LKC                                |  |
|   |  |   |  |                         |  |                       |  | CHECKED BY: RWE                    |  |
| TYPE OF SEAL  |  | NO. 1   |  | Bentonite Chips         |  | FROM 7.0 ft TO 9.0 ft |  | COMMENTS                           |  |
|   |  | NO. 2   |  | Portland Cement Grout   |  | FROM 0.0 ft TO 7.0 ft |  |                                    |  |
| Soil samples field screened with Photo-ionization Detector (PID), results in parts per million (ppm). |  |   |  |                         |  |                       |  |                                    |  |



TRACE#886RG02F#605

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF EXTRACTION WELL EW-6**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
18

|            |              |             |                   |      |             |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | August 2004 | REVISED |  | SHEET NO. | 1 of 2 |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|

| BORING LOCATION  |         |           |       |           | CONTINUED LOG,<br>SHEET NO.   | FOR<br>BORING NO. |                      |
|--|---------|-----------|-------|-----------|---|-------------------|----------------------|
| 2640 Santa Rosa Ave. (~53 ft ENE of former gasoline UST) |         |           |       |           | 2 of 2  | EW-6              |                      |
| DEPTH<br>(feet)  | Samples | Sample ID | Blows | PID (ppm) | MATERIAL DESCRIPTION  | USCS              | WELL<br>CONSTRUCTION |
| 25   |         |           | 41    | 110       | SILTY CLAY (CH) with Sand, yellowish-brown, moist to wet, very stiff; ~80% clay,<br>~10% silt, ~10% fine sand.<br><br>TD: 26.5 ft bgs | CH                | Sand                 |
| 30   |         |           |       |           |   |                   |                      |
| 35   |         |           |       |           |   |                   |                      |
| 40   |         |           |       |           |   |                   |                      |
| 45   |         |           |       |           |   |                   |                      |
| 50   |         |           |       |           |   |                   |                      |

TRACE #366/RG/07-Jan-05

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

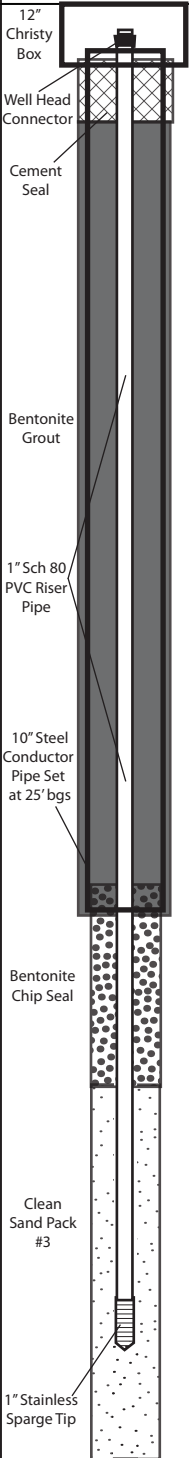
**LOG OF EXTRACTION WELL EW-6 (Cont'd)**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
18

|            |              |             |                   |      |             |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | August 2004 | REVISED |  | SHEET NO. | 2 of 2 |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|

**Sparge Well Construction Detail**

EQUIPMENT: 14" & 8" Hollow Stem Auger  
 LOGGED BY: DLB      DATE: 12/16 & 12/20/13  
 DRILLER: Clear Heart Drilling



| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log   |
|-------------|-------|----------------|------------|--------|---|
|             |       |                | 1          |        | Gravel surface  |
|             |       |                | 2          |        | Reddish-brown silty clay with gravel (GC-CL), damp, no odor   |
|             |       |                | 3          |        |   |
|             |       |                | 4          |        |   |
|             | 18    |                | 5          |        | As above, damp, no odor   |
|             | 24    |                | 6          |        |   |
|             | 31    |                | 7          |        |   |
|             |       |                | 8          |        |   |
|             |       |                | 9          |        | Increase sand, decrease clay and gravel   |
|             | 11    |                | 10         |        | Brown gravelly sand with clay and silt (SP-SM), wet, no odor  |
|             | 27    |                | 11         |        |   |
|             | 40    |                | 12         |        |   |
|             |       |                | 13         |        |   |
|             | 11    |                | 14         |        | Brown-gray-green mottled gravelly sand with less silt and clay (SP), wet, no odor                             |
|             | 18    |                | 15         |        |   |
|             | 27    |                | 16         |        | Increase gravel   |
|             |       |                | 17         |        |   |
|             |       |                | 18         |        |   |
|             | 18    |                | 19         |        |   |
|             | 50    |                | 20         |        | Gray-green gravel with sand-silt-clay mix (GP-GM), saturated, strong hydrocarbon odor                         |
|             |       |                | 21         |        |   |
|             | 16    |                | 22         |        | Gray-green stiff silty clay (CL-CH), damp, slight odor  |
|             | 24    |                | 23         |        |   |
|             | 31    |                | 24         |        |   |
|             | 8     |                | 25         |        | Clay aquitard, steel conductor pipe set at 25 feet bgs  |
|             | 10    |                | 26         |        |   |
|             | 12    |                | 27         |        | Gray-green silty sand, little clay (SM), wet, hydrocarbon odor  |
|             | 18    |                | 28         |        |   |
|             | 22    |                | 29         |        |   |
|             | 31    |                | 30         |        |   |
|             | 13    |                | 31         |        | As above, strong odor   |
|             | 13    |                | 32         |        |   |
|             | 27    |                | 33         |        |   |
|             | 7     |                | 34         |        | As above, less odor   |
|             | 7     |                | 35         |        |   |
|             | 12    |                | 36         |        |   |
|             | 18    |                | 37         |        | Gray-green silty fine sand with coarse sand and gravel (SP-SM), saturated no odor                             |
|             | 27    |                | 38         |        |   |
|             | 30    |                | 39         |        |   |
|             | 9     |                | 40         |        | Brown-light brown silty clay with green mottling, some intermixed coarse sand and gravels (<5%), damp no odor |
|             | 9     |                |            |        |   |
|             | 13    |                |            |        |   |
|             | 18    |                |            |        |   |
|             | 20    |                |            |        |   |
|             | 22    |                |            |        |   |

Graphic Log

Gravel surface

Reddish-brown silty clay with gravel (GC-CL), damp, no odor

As above, damp, no odor

Increase sand, decrease clay and gravel

Brown gravelly sand with clay and silt (SP-SM), wet, no odor

Brown-gray-green mottled gravelly sand with less silt and clay (SP), wet, no odor

Increase gravel

Gray-green gravel with sand-silt-clay mix (GP-GM), saturated, strong hydrocarbon odor

Gray-green stiff silty clay (CL-CH), damp, slight odor

Clay aquitard, steel conductor pipe set at 25 feet bgs

Gray-green silty sand, little clay (SM), wet, hydrocarbon odor

As above, strong odor

As above, less odor

Gray-green silty fine sand with coarse sand and gravel (SP-SM), saturated no odor

Brown-light brown silty clay with green mottling, some intermixed coarse sand and gravels (<5%), damp no odor

**EXPLANATION**

■ Retained Soil Sample

▨ Record Soil Sample

▽ Groundwater Interface

TOTAL DEPTH: 40 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis.

**ENVIRONMENTAL GEOLOGY SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

Est. 1989, A Veteran Owned Business  
[www.EGSconsultants.com](http://www.EGSconsultants.com)

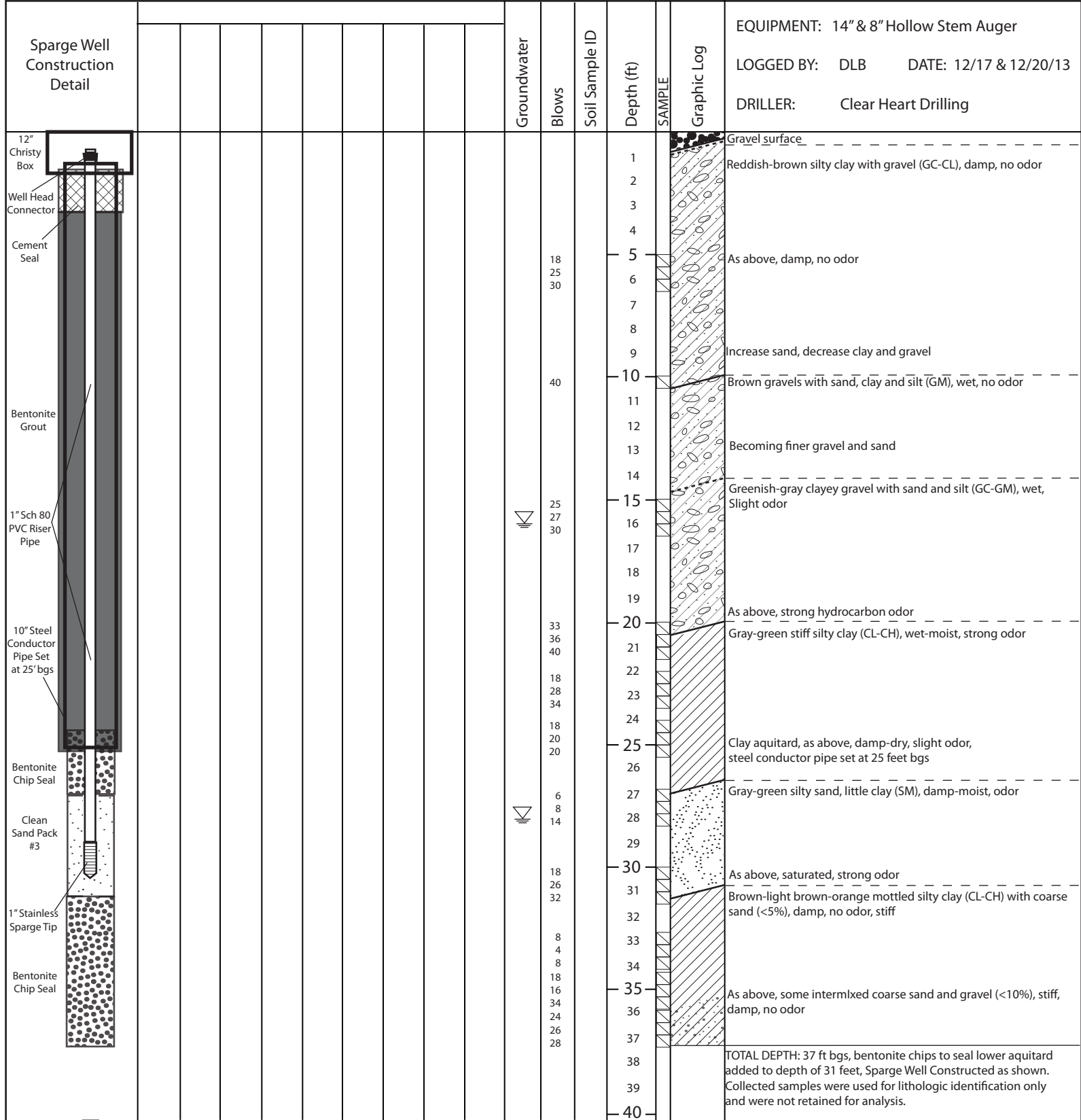
Office: 707-528-0810  
 Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-1d LITHOLOGIC LOG AND SPARGE WELL CONSTRUCTION DETAIL**

UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 6



**EXPLANATION**

■ Retained Soil Sample      ∇ Groundwater Interface

□ Record Soil Sample



**ENVIRONMENTAL GEOLOGY SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California  
 Office: 707-528-0810  
 Fax: 707-528-1956

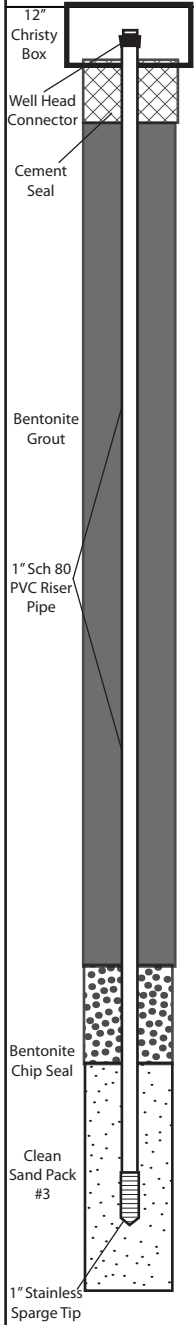
CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-2d LITHOLOGIC LOG AND SPURGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 7



Sparge Well Construction Detail



EQUIPMENT: 8" Hollow Stem Auger  
 LOGGED BY: DLB DATE: 12/16/13  
 DRILLER: Clear Heart Drilling

| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  |
|-------------|-------|----------------|------------|--------|--|
|             |       |                | 1          |        | Concrete floor slab  |
|             |       |                | 2          |        | Brown silty clay (CL-CH), wet, no odor, sub-slab   |
|             |       |                | 3          |        | Light brown clayey silt (CL), with intermixed fine sand, hard, damp, no odor   |
|             |       |                | 4          |        |  |
|             | 12    |                | 5          |        |  |
|             | 14    |                | 6          |        |  |
|             | 20    |                | 7          |        |  |
|             |       |                | 8          |        | Mottled reddish-brown-gray gravel with sand, silt, clay (GM), damp, no odor  |
|             |       |                | 9          |        |  |
|             | 18    |                | 10         |        |  |
|             | 24    |                | 11         |        | As above, no odor  |
|             | 28    |                | 12         |        |  |
|             |       |                | 13         |        |  |
|             |       |                | 14         |        |  |
|             | 24    |                | 15         |        |  |
|             | 28    |                | 16         |        | As above, damp-moist, no odor  |
|             |       |                | 17         |        |  |
|             |       |                | 18         |        |  |
|             |       |                | 19         |        |  |
|             | 34    |                | 20         |        |  |
|             | 34    |                | 21         |        | As above, wet, no odor   |
|             | 38    |                | 22         |        |  |
|             | 24    |                | 23         |        |  |
|             | 50    |                | 24         |        | Dark gray gravels as above, coarser, saturated, no odor  |
|             |       |                | 25         |        |  |
|             | 12    |                | 26         |        | Gray-green silty clay (CL-CH), damp, no odor   |
|             | 14    |                | 27         |        |  |
|             | 12    |                | 28         |        | TOTAL DEPTH: 27 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis. |
|             |       |                | 29         |        |  |
|             |       |                | 30         |        |  |

EXPLANATION

- Retained Soil Sample
- Record Soil Sample
- Groundwater Interface



**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

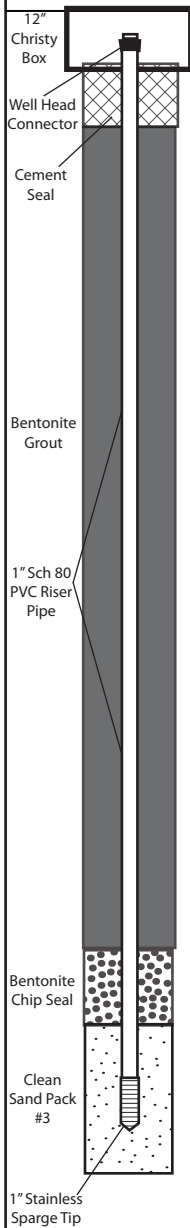
Est. 1989, A Veteran Owned Business  
[www.EGSconsultants.com](http://www.EGSconsultants.com) Office: 707-528-0810 Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-3 LITHOLOGIC LOG AND  
 SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 8

Sparge Well Construction Detail



EQUIPMENT: 8" Hollow Stem Auger  
 LOGGED BY: DLB DATE: 12/16/13  
 DRILLER: Clear Heart Drilling

| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  |
|-------------|-------|----------------|------------|--------|--|
|             |       |                | 1          |        | Fractured asphalt  |
|             |       |                | 2          |        | Dark gray silty clay (CL-CH) with sand and organic debris  |
|             |       |                | 3          |        |  |
|             |       |                | 4          |        | Reddish-brown sandy, gravelly clay (SC-GC), damp, no odor  |
|             |       |                | 5          |        |  |
|             | 12    |                | 6          |        |  |
|             | 14    |                | 7          |        |  |
|             | 18    |                | 8          |        |  |
|             |       |                | 9          |        |  |
|             |       |                | 10         |        | Mottled reddish-brown-gray gravel with sand, silt, clay (GM), damp, no odor  |
|             | 14    |                | 11         |        |  |
|             | 24    |                | 12         |        |  |
|             | 24    |                | 13         |        |  |
|             |       |                | 14         |        |  |
|             | 24    |                | 15         |        | As above, wet, no odor   |
|             | 26    |                | 16         |        |  |
|             | 28    |                | 17         |        |  |
|             |       |                | 18         |        |  |
|             |       |                | 19         |        |  |
|             | 20    |                | 20         |        | Gray-green sandy gravel (GP), saturated, hydrocarbon odor  |
|             | 30    |                | 21         |        |  |
|             | 32    |                | 22         |        | As above, strong hydrocarbon odor  |
|             | 24    |                | 23         |        |  |
|             | 36    |                | 24         |        | Gray-green silty clay with some fine sand (CL-CH), damp, odor  |
|             | 42    |                | 25         |        | Cease drilling, continuous sampling to verify aquitard   |
|             | 5     |                | 26         |        |  |
|             | 7     |                | 27         |        |  |
|             | 12    |                | 28         |        | TOTAL DEPTH: 27 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis. |
|             |       |                | 29         |        |  |
|             |       |                | 30         |        |  |

EXPLANATION

- Retained Soil Sample
- Record Soil Sample
- Groundwater Interface



**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

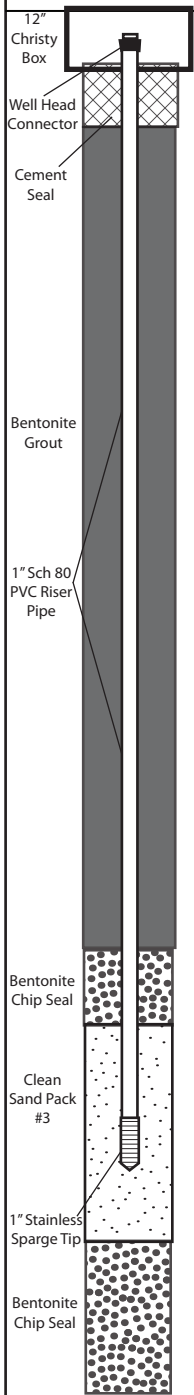
Est. 1989, A Veteran Owned Business  
[www.EGSconsultants.com](http://www.EGSconsultants.com) Office: 707-528-0810  
 Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-4 LITHOLOGIC LOG AND  
 SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 9

Sparge Well Construction Detail



EQUIPMENT: 8" Hollow Stem Auger  
 LOGGED BY: DLB DATE: 12/17/13  
 DRILLER: Clear Heart Drilling

| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  |
|-------------|-------|----------------|------------|--------|--|
|             |       |                | 1          |        | Fractured asphalt  |
|             |       |                | 2          |        | Brown silty clay with some damp rounded gravels (GC)                         |
|             |       |                | 3          |        | Light brown silty clay (CL-CH), minor fine sand, damp, no odor               |
|             |       |                | 4          |        |  |
|             | 14    |                | 5          |        |  |
|             | 14    |                | 6          |        |  |
|             | 17    |                | 7          |        |  |
|             |       |                | 8          |        | Reddish-brown-gray mottled silty clay with gravel (CL-GC), damp, no odor     |
|             |       |                | 9          |        |  |
|             | 20    |                | 10         |        |  |
|             | 26    |                | 11         |        |  |
|             | 34    |                | 12         |        | As above, wet, no odor   |
|             |       |                | 13         |        |  |
|             |       |                | 14         |        |  |
|             | 24    |                | 15         |        | Mottled gravelly sand, less clay (GP-GM), no odor, wet                       |
|             | 30    |                | 16         |        |  |
|             | 32    |                | 17         |        |  |
|             |       |                | 18         |        |  |
|             |       |                | 19         |        |  |
|             | 14    |                | 20         |        |  |
|             | 34    |                | 21         |        | Gray-green silty sand (SM), minor gravel, saturated, strong hydrocarbon odor |
|             | 38    |                | 22         |        |  |
|             | 24    |                | 23         |        |  |
|             | 36    |                | 24         |        | As above, strong hydrocarbon odor  |
|             | 38    |                | 25         |        | Gray-green silty clay (CL-CH), moist-wet, no odor                            |
|             | 23    |                | 26         |        |  |
|             | 23    |                | 27         |        | Cease drilling, continuous sampling to verify aquitard                       |
|             | 23    |                | 28         |        |  |
|             | 23    |                | 29         |        | Gray-green silty sand (SM), wet, strong odor                                 |
|             | 26    |                | 30         |        |  |

TOTAL DEPTH: 29 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis.

EXPLANATION

- Retained Soil Sample
- Record Soil Sample
- Groundwater Interface



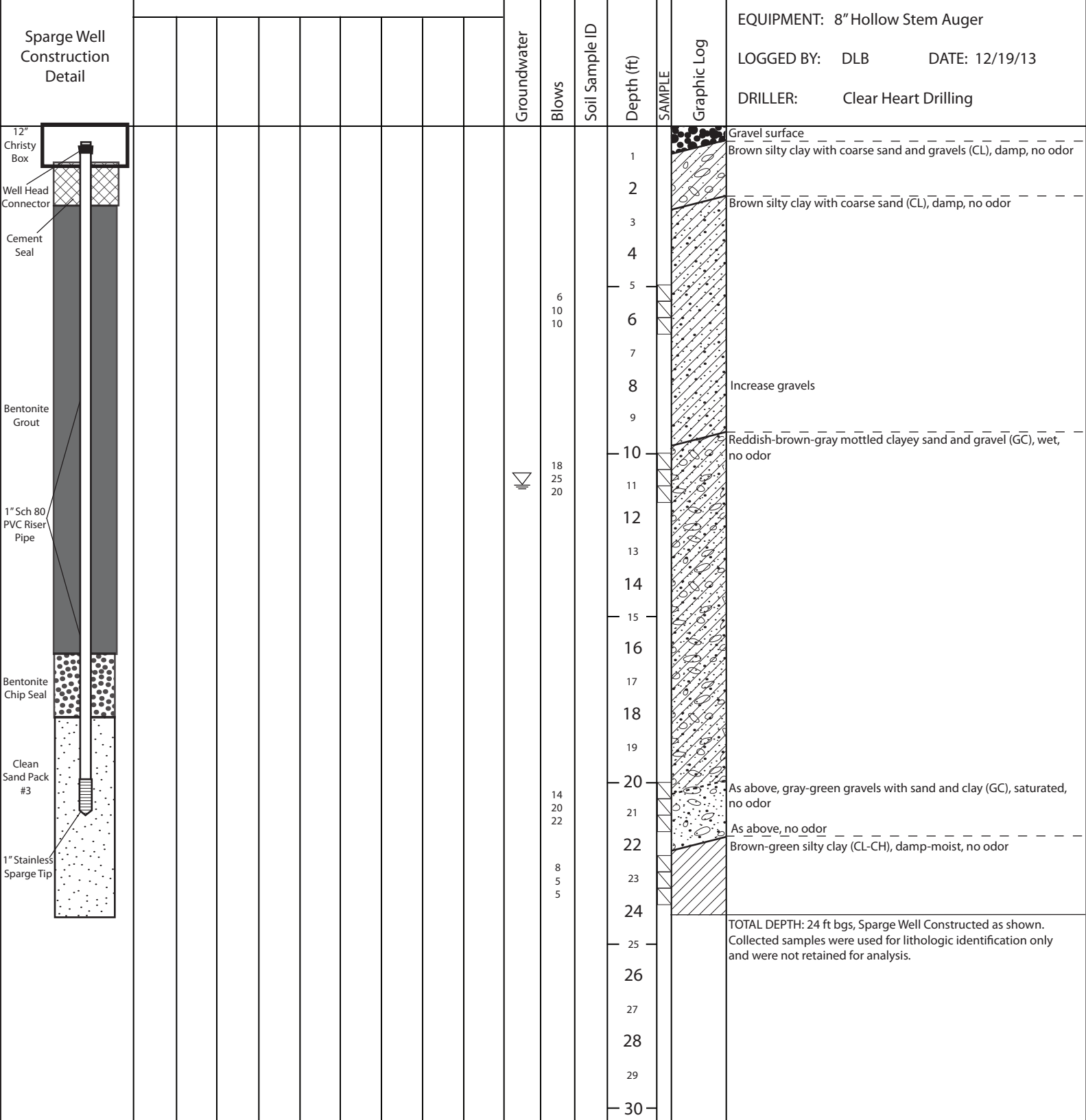
**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

Est. 1989, A Veteran Owned Business Office: 707-528-0810  
 www.EGSconsultants.com Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE2014

**RW-5 LITHOLOGIC LOG AND  
 SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 10



**EXPLANATION**

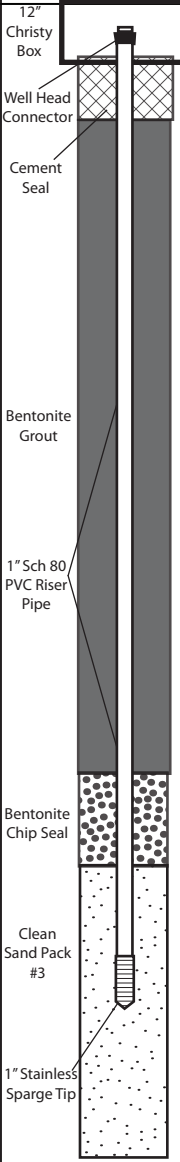
Retained Soil Sample     
 Groundwater Interface  
 Record Soil Sample






**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California  
 Office: 707-528-0810  
 Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-6 LITHOLOGIC LOG AND  
SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

| Sparge Well Construction Detail  |  |  |  |  |  |  |  |  |  | Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE         | Graphic Log  | EQUIPMENT: 8" Hollow Stem Auger    |
|--|--|--|--|--|--|--|--|--|--|-------------|-------|----------------|------------|----------------|--|------------------------------------|
|  <p>12" Christy Box<br/>Well Head Connector<br/>Cement Seal<br/>Bentonite Grout<br/>1" Sch 80 PVC Riser Pipe<br/>Bentonite Chip Seal<br/>Clean Sand Pack #3<br/>1" Stainless Sparge Tip</p> |  |  |  |  |  |  |  |  |  |             |       |                |            |                |  | LOGGED BY: DLB      DATE: 12/19/13 |
|  |  |  |  |  |  |  |  |  |  |             |       |                |            |                |  | DRILLER: Clear Heart Drilling      |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 1          |                | Gravel surface   |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 2          |                | Reddish-brown clayey gravel, damp, no odor   |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 3          |                | Brown silty clay with coarse sand (CL), damp, no odor  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 4          |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 5          |                | Reddish-brown clayey gravel with silt and sand (GC), damp, no odor   |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 6          | 8<br>9<br>17   |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 7          |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 8          |                | Gray-green silty sand (SM), wet, no odor   |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 9          |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 10         |                | Gray-green gravel with silt and sand (GP), little clay (<5%), saturated, odor  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 11         | 25<br>18<br>18 |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 12         |                | As above, saturated, strong odor   |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 13         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 14         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 15         | 14<br>14<br>14 | As above, formation tight, strong odor with sheen  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 16         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 17         |                | Gray-green silty clay (CL-CH), damp, odor  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 18         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 19         |                | TOTAL DEPTH: 24 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis. |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 20         | 20<br>28<br>38 |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 21         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 22         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 23         | 30<br>7<br>4   |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 24         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 25         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 26         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 27         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 28         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 29         |                |  |                                    |
|  |  |  |  |  |  |  |  |  |  |             |       |                | 30         |                |  |                                    |

**EXPLANATION**

 Retained Soil Sample     
  Groundwater Interface  
 Record Soil Sample



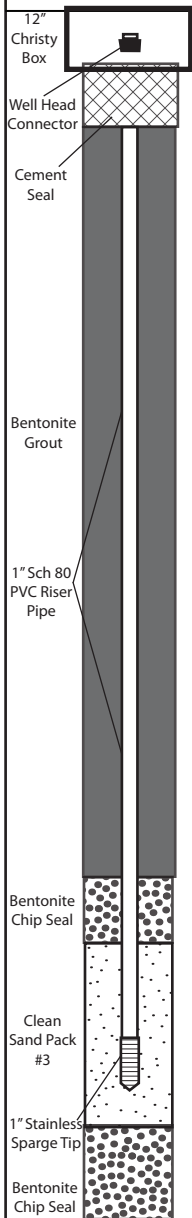
**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California  
 Office: 707-528-0810  
 Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE 2014

**RW-7 LITHOLOGIC LOG AND  
SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
12

Sparge Well Construction Detail



| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  |
|-------------|-------|----------------|------------|--------|--|
|             |       |                | 1          |        | Gravel surface   |
|             |       |                | 2          |        | Brown silty clay (CL-CH)   |
|             |       |                | 3          |        | Reddish-brown silty sand and clay (CL), with intermixed coarse sand to gravel, damp, no odor   |
|             |       |                | 4          |        |  |
|             | 12    |                | 5          |        | Increase gravels   |
|             | 13    |                | 6          |        |  |
|             | 14    |                | 7          |        | Reddish-brown mottled with gray clayey gravel (GC), with silt and sand, damp-moist, no odor  |
|             |       |                | 8          |        |  |
|             |       |                | 9          |        | As above, wet, slight odor   |
|             |       |                | 10         |        |  |
|             | 10    |                | 11         |        | Gray-green gravelly sand (GP), saturated, strong odor  |
|             | 15    |                | 12         |        |  |
|             | 16    |                | 13         |        | Gray-green silty clay with minor fine sand (CL-CH), damp, odor   |
|             |       |                | 14         |        |  |
|             | 10    |                | 15         |        | TOTAL DEPTH: 25.5 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis. |
|             | 17    |                | 16         |        |  |
|             | 27    |                | 17         |        |  |
|             |       |                | 18         |        |  |
|             |       |                | 19         |        |  |
|             |       |                | 20         |        |  |
|             | 45    |                | 21         |        |  |
|             | 50    |                | 22         |        |  |
|             |       |                | 23         |        |  |
|             | 40    |                | 24         |        |  |
|             | 13    |                | 25         |        |  |
|             | 13    |                | 26         |        |  |
|             |       |                | 27         |        |  |
|             |       |                | 28         |        |  |
|             |       |                | 29         |        |  |
|             |       |                | 30         |        |  |

EXPLANATION



Retained Soil Sample



Groundwater Interface



Record Soil Sample



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSconsultants.com

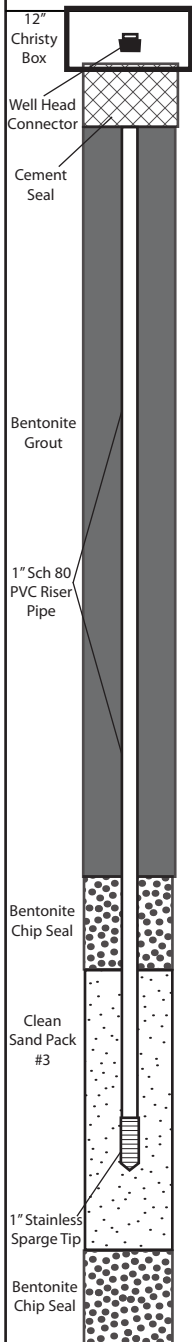
Office: 707-528-0810  
Fax: 707-528-1956

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
JUNE 2014

**RW-8 LITHOLOGIC LOG AND  
SPARGE WELL CONSTRUCTION DETAIL**  
UST Remediation - Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

PLATE  
13

Sparge Well Construction Detail



EQUIPMENT: 8" Hollow Stem Auger  
 LOGGED BY: DLB      DATE: 12/18/13  
 DRILLER: Clear Heart Drilling

| Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  |
|-------------|-------|----------------|------------|--------|--|
|             |       |                | 1          |        | Gravel surface   |
|             |       |                | 2          |        | Brown silty clay with gravel   |
|             |       |                | 3          |        | Reddish-brown clayey gravel (GC), damp, no odor                              |
|             |       |                | 4          |        |  |
|             | 18    |                | 5          |        |  |
|             | 50    |                | 6          |        |  |
|             |       |                | 7          |        |  |
|             |       |                | 8          |        |  |
|             |       |                | 9          |        |  |
|             | 22    |                | 10         |        | As above, damp-moist, no odor  |
|             | 50    |                | 11         |        |  |
|             |       |                | 12         |        |  |
|             |       |                | 13         |        |  |
|             |       |                | 14         |        |  |
|             | 18    |                | 15         |        |  |
|             | 21    |                | 16         |        | Mottled brown-gray-green coarse sand and gravel with clay (GC), wet, no odor |
|             | 34    |                | 17         |        |  |
|             |       |                | 18         |        |  |
|             |       |                | 19         |        | Gray-green gravelly sand (SP), saturated, no odor                            |
|             | 8     |                | 20         |        |  |
|             | 9     |                | 21         |        |  |
|             | 13    |                | 22         |        | Increase gravel, (GP), strong odor,  |
|             | 50    |                | 23         |        |  |
|             |       |                | 24         |        |  |
|             |       |                | 25         |        |  |
|             |       |                | 26         |        | Brown-gray-green mottled silty clay (CL-CH), stiff, damp, no odor            |
|             | 4     |                | 27         |        |  |
|             | 6     |                | 28         |        |  |
|             | 7     |                | 29         |        |  |
|             |       |                | 30         |        |  |

TOTAL DEPTH: 28 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis.

EXPLANATION

- Retained Soil Sample
- Record Soil Sample
- Groundwater Interface



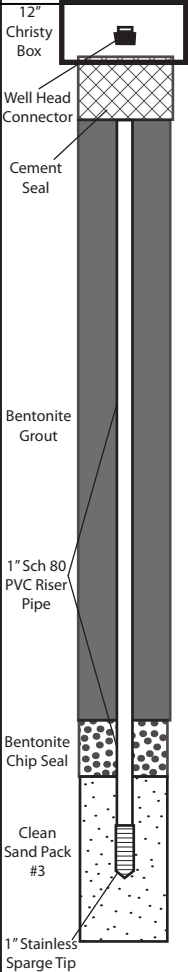
**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

Est. 1989, A Veteran Owned Business      Office: 707-528-0810  
[www.EGSconsultants.com](http://www.EGSconsultants.com)      Fax: 707-528-1956




CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE2014

**RW-9 LITHOLOGIC LOG AND  
 SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
 14

| Sparge Well Construction Detail  |  |  |  |  |  |  |                               |    |  | Groundwater | Blows | Soil Sample ID | Depth (ft) | SAMPLE | Graphic Log  | EQUIPMENT: 8" Hollow Stem Auger    |
|--|--|--|--|--|--|--|-------------------------------|----|--|-------------|-------|----------------|------------|--------|--|------------------------------------|
|  <p>12" Christy Box<br/>Well Head Connector<br/>Cement Seal<br/>Bentonite Grout<br/>1" Sch 80 PVC Riser Pipe<br/>Bentonite Chip Seal<br/>Clean Sand Pack #3<br/>1" Stainless Sparge Tip</p> |  |  |  |  |  |  |                               |    |  |             |       |                |            |        |  | EQUIPMENT: 8" Hollow Stem Auger    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                |            |        |  | LOGGED BY: DLB      DATE: 12/17/13 |
|  |  |  |  |  |  |  | DRILLER: Clear Heart Drilling |    |  |             |       |                |            |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 1          |        | Gravel surface   |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 2          |        | Brown silty clay, damp   |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 3          |        | Light brown silty sand and clay (CL), dry  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 4          |        | Reddish-brown silty clayey gravel with sand (GC-GM), damp, no odor   |                                    |
|  |  |  |  |  |  |  |                               | 20 |  |             |       |                | 5          |        |  |                                    |
|  |  |  |  |  |  |  |                               | 24 |  |             |       |                | 6          |        |  |                                    |
|  |  |  |  |  |  |  |                               | 24 |  |             |       |                | 7          |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 8          |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 9          |        |  |                                    |
|  |  |  |  |  |  |  |                               | 18 |  |             |       |                | 10         |        | As above, wet lenses, no odor  |                                    |
|  |  |  |  |  |  |  |                               | 20 |  |             |       |                | 11         |        |  |                                    |
|  |  |  |  |  |  |  |                               | 26 |  |             |       |                | 12         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 13         |        | Mottled brown-gray-green gravel with sand silt and clay (GC-GM), saturated, no odor  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 14         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 15         |        |  |                                    |
|  |  |  |  |  |  |  |                               | 34 |  |             |       |                | 16         |        |  |                                    |
|  |  |  |  |  |  |  |                               | 40 |  |             |       |                | 17         |        |  |                                    |
|  |  |  |  |  |  |  |                               | 42 |  |             |       |                | 18         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 19         |        | As above   |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 20         |        | Gray-green silty clay (CL-CH), with minor fine sand, stiff, damp, no odor  |                                    |
|  |  |  |  |  |  |  |                               | 7  |  |             |       |                | 21         |        | TOTAL DEPTH: 20 ft bgs, Sparge Well Constructed as shown. Collected samples were used for lithologic identification only and were not retained for analysis. |                                    |
|  |  |  |  |  |  |  |                               | 9  |  |             |       |                | 22         |        |  |                                    |
|  |  |  |  |  |  |  |                               | 9  |  |             |       |                | 23         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 24         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 25         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 26         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 27         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 28         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 29         |        |  |                                    |
|  |  |  |  |  |  |  |                               |    |  |             |       |                | 30         |        |  |                                    |

**EXPLANATION**

 Retained Soil Sample     
  Groundwater Interface  
 Record Soil Sample



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
 Consulting and Project Management  
 Santa Rosa, California

Est. 1989, A Veteran Owned Business      Office: 707-528-0810  
[www.EGSconsultants.com](http://www.EGSconsultants.com)      Fax: 707-528-1956

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: JUNE2014




**RW-10 LITHOLOGIC LOG AND  
SPARGE WELL CONSTRUCTION DETAIL**  
 UST Remediation - Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

PLATE  
15



| Well Construction Detail | ANALYTICAL RESULTS (Water Samples) |         |         |              |        |      |  | Groundwater | Blow Counts | Sample ID | Depth (ft) | SAMPLE | Graphic Log   | EQUIPMENT: Hand Auger<br>LOGGED BY: DLB      DATE: 12/19/12<br>DRILLER: Clear Heart Drilling |
|--------------------------|------------------------------------|---------|---------|--------------|--------|------|--|-------------|-------------|-----------|------------|--------|---|--|
|                          | TPH-Gasoline                       | Benzene | Toluene | Ethy-benzene | Xylene | MTBE |  |             |             |           |            |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 1          |        | Grass, organic soil surface *Hand Auger upper 4 feet              |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 2          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | d3         | 3      | Brown-dark brown silty caly (CL-CH), with organics, damp, no odor |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | d4         | 4      | Brown-dark brown clayey sand (SM), damp, no odor                  |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 5          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 6          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 7          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 8          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 9          |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 10         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 11         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 12         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 13         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 14         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 15         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 16         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 17         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 18         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 19         |        |   |  |
|                          |                                    |         |         |              |        |      |  |             |             |           | 20         |        |   |  |

TOTAL DEPTH: 4-feet bgs. Soil samples collected at depths of 3 and 4-feet bgs submitted to Prima to be batched for Bench Test analysis. Boring located adjacent to east of the former UST. Boring was hand augered due to location constraints.

|                    |   |
|--------------------|---|
| <b>EXPLANATION</b> |  Groundwater sample submitted for analysis<br> Soil Sample submitted for analysis<br> Soil Sample observed for logging |
|                    | *Groundwater sample units reported in ug/kg   |



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSconsultants.com

Office: 707-528-0810  
Fax: 707-528-1956

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: APR 2013

**BT-1 LITHOLOGIC LOG**

**BENCH TEST REPORT**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE  
**3**



| Well Construction Detail | ANALYTICAL RESULTS (Water Samples) |         |         |              |        |      |  | Groundwater          | Blow Counts | Sample ID | Depth (ft) | SAMPLE | Graphic Log   | EQUIPMENT: Auger Rig<br>LOGGED BY: DLB      DATE: 12/19/12<br>DRILLER: Clear Heart Drilling |
|--------------------------|------------------------------------|---------|---------|--------------|--------|------|--|----------------------|-------------|-----------|------------|--------|---|---|
|                          | TPH-Gasoline                       | Benzene | Toluene | Ethy-benzene | Xylene | MTBE |  |                      |             |           |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             |           |            |        | Fractured asphalt / gravel *Hand Auger upper 5 feet   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 1         |            |        | Brown-light brown silty clay (CL-CH), with organics, damp, no odor  |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 2         |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | d3        | 3          | ■      | Brown-light brown silty sand and clay (CL), fine, damp, no odor   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | d4        | 4          | ■      |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 5         |            |        | Coarsening  |   |
|                          |                                    |         |         |              |        |      |  | 11<br>19<br>27       |             | d6        | 6          | ■      | Reddish-brown clayey sand (SM), damp, no odor   |   |
|                          |                                    |         |         |              |        |      |  | 12<br>12<br>27<br>32 |             | 7         |            |        | Reddish-brown sandy gravel (GW), gravels (~1"), angular, damp, no odor  |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 8         |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 9         |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 10        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 11        |            |        | As above, smaller, sub-rounded gravels (~0.25") with coarse sand, wet, no odor  |   |
|                          |                                    |         |         |              |        |      |  | 19<br>21<br>27       |             | d11       | 11         | ■      |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 12        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 13        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 14        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 15        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 16        |            |        | As above, moist, no free water, no odor   |   |
|                          |                                    |         |         |              |        |      |  | 16<br>22<br>23       |             | d16       | 16         | ■      |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 17        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 18        |            |        | TOTAL DEPTH: 17-feet bgs. Soil samples collected at depths of 3, 4, 6, 11 and 16-feet bgs submitted to Prima to be batched for Bench Test analysis. |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 19        |            |        |   |   |
|                          |                                    |         |         |              |        |      |  |                      |             | 20        |            |        |   |   |

|                    |   |
|--------------------|---|
| <b>EXPLANATION</b> |  Groundwater sample submitted for analysis<br> Soil Sample submitted for analysis<br> Soil Sample observed for logging |
|                    | *Groundwater sample units reported in ug/kg   |



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSconsultants.com

Office: 707-528-0810  
Fax: 707-528-1956

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: APR 2013

**BT-3 LITHOLOGIC LOG**

**BENCH TEST REPORT**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE  
**5**

| Well Construction Detail | ANALYTICAL RESULTS (Water Samples) |         |         |              |        |      |  | Groundwater    | Blow Counts | Sample ID | Depth (ft) | SAMPLE | Graphic Log   | EQUIPMENT: Auger Rig<br>LOGGED BY: DLB      DATE: 12/19/12<br>DRILLER: Clear Heart Drilling  |
|--------------------------|------------------------------------|---------|---------|--------------|--------|------|--|----------------|-------------|-----------|------------|--------|---|--|
|                          | TPH-Gasoline                       | Benzene | Toluene | Ethy-benzene | Xylene | MTBE |  |                |             |           |            |        |   |  |
|                          | ND                                 | ND      | ND      | ND           | ND     | ND   |  |                |             |           |            |        | Fractured asphalt / gravel *Hand Auger upper 5 feet<br>Brown-dark brown silty clay (CL-CH), damp, no odor<br>Rounded gravels, possible trench of older leach field associated with on site house<br>Brown silty clay with sand and gravel (CL-SC), damp, no odor<br>Silty gravel with sand (SM-GM), wet, no odor<br>As above, no odor |  |
|                          |                                    |         |         |              |        |      |  | 22<br>29<br>34 | d6          |           | 6          |        |   |  |
|                          |                                    |         |         |              |        |      |  | 21<br>27<br>32 | d9          |           | 9          |        |   |  |
|                          |                                    |         |         |              |        |      |  | 22<br>23<br>22 | d14         |           | 14         |        |   |  |
|                          |                                    |         |         |              |        |      |  | 20<br>21<br>23 | d16<br>@16  |           | 16         |        |   |  |
|                          |                                    |         |         |              |        |      |  |                |             |           | 17         |        |   | TOTAL DEPTH: 17-feet bgs. Soil samples collected at depths of 6, 9, 14 and 16-feet bgs submitted to Prima and batched for Bench Test analysis. Groundwater sample collected at 16-feet bgs submitted to Analytical Sciences for analysis by EPA 8021, results presented on this Log. |
|                          |                                    |         |         |              |        |      |  |                |             |           | 18         |        |   |  |
|                          |                                    |         |         |              |        |      |  |                |             |           | 19         |        |   |  |
|                          |                                    |         |         |              |        |      |  |                |             |           | 20         |        |   |  |

**EXPLANATION**

-  Soil Sample submitted for analysis
-  Groundwater sample submitted for analysis
-  Soil Sample observed for logging
- \*Groundwater sample units reported in ug/kg
- ND = Not Detected



**ENVIRONMENTAL  
GEOLOGY  
SERVICES, INC.**  
Consulting and Project Management  
Santa Rosa, California

Est. 1989, A Veteran Owned Business  
www.EGSc consultants.com

Office: 707-528-0810  
Fax: 707-528-1956

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: APR 2013

**BT-4 LITHOLOGIC LOG**

**BENCH TEST REPORT**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE

6

|  |  |  |  |  |  |  |  |  |  | Soil Vapor Sample Collection Depth | Total Depth (ft) | SAMPLE | Construction Detail  |
|--|--|--|--|--|--|--|--|--|--|------------------------------------|------------------|--------|--|
|  |  |  |  |  |  |  |  |  |  |                                    |                  |        | EQUIPMENT: Direct Push Rig<br>LOGGED BY: DLB      DATE: 8/4/16<br>DRILLER: TEG Northern CA   |
|  |  |  |  |  |  |  |  |  |  |                                    | 1                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 2                |        | Hydrated granular BenSeal to surface   |
|  |  |  |  |  |  |  |  |  |  |                                    | 3                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 4                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 5                |        | 6-inches dry granular BenSeal<br>6-inches Clean #3 Sand Pack<br>Soil Vapor Sampling Tip set at 5.5 feet bgs<br>6-inches Clean #3 Sand Pack   |
|  |  |  |  |  |  |  |  |  |  | d5.5                               | 6                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 7                |        | TOTAL DEPTH: 6 ft bgs.<br>Construction details include: soil vapor sampling tip was connected to 1/8" teflon tubing for sample collection; a shroud was placed over the sealed surface with IPA included as a leak detection compound; IPA was also included beneath the sample connect point.<br>Completion of the soil vapor probes included: removal of teflon tubing followed by removing upper 3 feet of hydrated BenSeal, followed by adding neat cement to complete probe hole. |
|  |  |  |  |  |  |  |  |  |  |                                    | 8                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 9                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 10               |        |  |



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: NOV 2016

**TEMPORARY SOIL VAPOR WELL DETAIL**  
**REPORT: SOIL VAPOR INVESTIGATION and SENSITIVE RECEPTOR SURVEY**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050

PLATE  
**3**

## **APPENDIX E**

***Analytical Report for DW-325***



Report Date: February 29, 2016

## Laboratory Report

David Bush  
Environmental Geology Services  
6169 Amie Drive  
Windsor, CA 95492

Project Name: **325 Yolanda Ave. 451.0711**  
Lab Project Number: **6022901**

This 7 page report of analytical data has been reviewed and approved for release.

---

Mark A. Valentini, Ph.D.

Laboratory Director



## Volatile Hydrocarbons by GC/MS

| Lab#       | Sample ID | Compound Name                     | Result (µg/L) | RDL (µg/L) |
|------------|-----------|-----------------------------------|---------------|------------|
| 6022901-01 | DW-325    | Gasoline                          | ND            | 50         |
|            |           | Dichlorodifluoromethane (F-12)    | ND            | 1.0        |
|            |           | Chloromethane                     | ND            | 1.0        |
|            |           | Vinyl chloride                    | ND            | 1.0        |
|            |           | Chloroethane (CE)                 | ND            | 1.0        |
|            |           | Bromomethane                      | ND            | 1.0        |
|            |           | Trichlorofluoromethane (F-11)     | ND            | 1.0        |
|            |           | Trichlorotrifluoroethane (F-113)  | ND            | 1.0        |
|            |           | 1,1-Dichloroethene (1,1-DCE)      | ND            | 1.0        |
|            |           | Methylene chloride                | ND            | 1.0        |
|            |           | trans-1,2-Dichloroethene          | ND            | 1.0        |
|            |           | 1,1-Dichloroethane (1,1-DCA)      | ND            | 1.0        |
|            |           | cis-1,2-Dichloroethene (c1,2-DCE) | ND            | 1.0        |
|            |           | 2,2-Dichloropropane               | ND            | 1.0        |
|            |           | Chloroform (THM1)                 | ND            | 1.0        |
|            |           | Bromochloromethane                | ND            | 1.0        |
|            |           | 1,1,1-Trichloroethane (TCA)       | ND            | 1.0        |
|            |           | 1,2-Dichloroethane (EDC)          | ND            | 1.0        |
|            |           | 1,1-Dichloropropene               | ND            | 1.0        |
|            |           | Carbon tetrachloride              | ND            | 1.0        |
|            |           | Benzene                           | ND            | 1.0        |
|            |           | Trichloroethene (TCE)             | ND            | 1.0        |
|            |           | 1,2-Dichloropropane (DCP)         | ND            | 1.0        |
|            |           | Dibromomethane                    | ND            | 1.0        |
|            |           | Bromodichloromethane (THM2)       | ND            | 1.0        |
|            |           | cis-1,3-Dichloropropene           | ND            | 1.0        |
|            |           | Toluene                           | ND            | 1.0        |
|            |           | 1,1,2-Trichloroethane             | ND            | 1.0        |
|            |           | 1,3-Dichloropropane               | ND            | 1.0        |
|            |           | Dibromochloromethane (THM3)       | ND            | 1.0        |
|            |           | Tetrachloroethene (PCE)           | ND            | 1.0        |
|            |           | 1,2-Dibromoethane (EDB)           | ND            | 1.0        |
|            |           | Chlorobenzene                     | ND            | 1.0        |
|            |           | 1,1,1,2-Tetrachloroethane         | ND            | 1.0        |
|            |           | Ethylbenzene                      | ND            | 1.0        |
|            |           | m,p-Xylene                        | ND            | 1.0        |
|            |           | Styrene                           | ND            | 1.0        |
|            |           | o-Xylene                          | ND            | 1.0        |
|            |           | Bromoform (THM4)                  | ND            | 1.0        |
|            |           | 1,1,2,2-Tetrachloroethane         | ND            | 1.0        |
|            |           | Isopropylbenzene                  | ND            | 1.0        |
|            |           | 1,2,3-Trichloropropane            | ND            | 1.0        |
|            |           | Bromobenzene                      | ND            | 1.0        |
|            |           | n-Propyl Benzene                  | ND            | 1.0        |
|            |           | 2-Chlorotoluene                   | ND            | 1.0        |
|            |           | 4-Chlorotoluene                   | ND            | 1.0        |
|            |           | 1,3,5-Trimethylbenzene            | ND            | 1.0        |
|            |           | tert-Butylbenzene                 | ND            | 1.0        |
|            |           | 1,2,4-Trimethylbenzene            | ND            | 1.0        |





### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L) |
|----------------------|---------------|--------------------------------|----------------------|------------|
| 6022901-01           | <b>DW-325</b> | sec-Butylbenzene               | ND                   | 1.0        |
|                      |               | 1,3-Dichlorobenzene            | ND                   | 1.0        |
|                      |               | 1,4-Dichlorobenzene            | ND                   | 1.0        |
|                      |               | 1,2-Dichlorobenzene            | ND                   | 1.0        |
|                      |               | p-Isopropyltoluene             | ND                   | 1.0        |
|                      |               | n-Butylbenzene                 | ND                   | 1.0        |
|                      |               | 1,2-Dibromo-3-chloropropane    | ND                   | 1.0        |
|                      |               | 1,2,4-Trichlorobenzene         | ND                   | 1.0        |
|                      |               | Naphthalene                    | ND                   | 1.0        |
|                      |               | Hexachlorobutadiene            | ND                   | 1.0        |
|                      |               | 1,2,3-Trichlorobenzene         | ND                   | 1.0        |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12         |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0        |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0        |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0        |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0        |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |            |
| Dibromofluoromethane | 21.7          | 108                            | 70-130               |            |
| Toluene-d8           | 21.2          | 106                            | 70-130               |            |
| 4-Bromofluorobenzene | 19.1          | 96                             | 70-130               |            |

|                |          |                |           |                   |
|----------------|----------|----------------|-----------|-------------------|
| Date Sampled:  | 02/29/16 | Date Analyzed: | 02/29/16  | QC Batch: B015483 |
| Date Received: | 02/29/16 | Method:        | EPA 8260B |                   |



## Quality Assurance Report

### Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B015483 - EPA 5030 GC/MS

#### Blank (B015483-BLK1)

Prepared & Analyzed: 02/22/16

|                                   |    |     |      |
|-----------------------------------|----|-----|------|
| Dichlorodifluoromethane (F-12)    | ND | 1.0 | µg/L |
| Chloromethane                     | ND | 1.0 | µg/L |
| Vinyl chloride                    | ND | 1.0 | µg/L |
| Chloroethane (CE)                 | ND | 1.0 | µg/L |
| Bromomethane                      | ND | 1.0 | µg/L |
| Trichlorofluoromethane (F-11)     | ND | 1.0 | µg/L |
| Trichlorotrifluoroethane (F-113)  | ND | 1.0 | µg/L |
| 1,1-Dichloroethene (1,1-DCE)      | ND | 1.0 | µg/L |
| Methylene chloride                | ND | 1.0 | µg/L |
| trans-1,2-Dichloroethene          | ND | 1.0 | µg/L |
| 1,1-Dichloroethane (1,1-DCA)      | ND | 1.0 | µg/L |
| cis-1,2-Dichloroethene (c1,2-DCE) | ND | 1.0 | µg/L |
| 2,2-Dichloropropane               | ND | 1.0 | µg/L |
| Chloroform (THM1)                 | ND | 1.0 | µg/L |
| Bromochloromethane                | ND | 1.0 | µg/L |
| 1,1,1-Trichloroethane (TCA)       | ND | 1.0 | µg/L |
| 1,2-Dichloroethane (EDC)          | ND | 1.0 | µg/L |
| 1,1-Dichloropropene               | ND | 1.0 | µg/L |
| Carbon tetrachloride              | ND | 1.0 | µg/L |
| Benzene                           | ND | 1.0 | µg/L |
| Trichloroethene (TCE)             | ND | 1.0 | µg/L |
| 1,2-Dichloropropane (DCP)         | ND | 1.0 | µg/L |
| Dibromomethane                    | ND | 1.0 | µg/L |
| Bromodichloromethane (THM2)       | ND | 1.0 | µg/L |
| cis-1,3-Dichloropropene           | ND | 1.0 | µg/L |
| Toluene                           | ND | 1.0 | µg/L |
| 1,1,2-Trichloroethane             | ND | 1.0 | µg/L |
| 1,3-Dichloropropane               | ND | 1.0 | µg/L |
| Dibromochloromethane (THM3)       | ND | 1.0 | µg/L |
| Tetrachloroethene (PCE)           | ND | 1.0 | µg/L |
| 1,2-Dibromoethane (EDB)           | ND | 1.0 | µg/L |
| Chlorobenzene                     | ND | 1.0 | µg/L |
| 1,1,1,2-Tetrachloroethane         | ND | 1.0 | µg/L |
| Ethylbenzene                      | ND | 1.0 | µg/L |
| m,p-Xylene                        | ND | 1.0 | µg/L |
| Styrene                           | ND | 1.0 | µg/L |
| o-Xylene                          | ND | 1.0 | µg/L |
| Bromoform (THM4)                  | ND | 1.0 | µg/L |
| 1,1,2,2-Tetrachloroethane         | ND | 1.0 | µg/L |
| Isopropylbenzene                  | ND | 1.0 | µg/L |
| 1,2,3-Trichloropropane            | ND | 1.0 | µg/L |



## Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B015483 - EPA 5030 GC/MS**

**Blank (B015483-BLK1)**

Prepared & Analyzed: 02/22/16

|                                |    |     |      |  |  |  |  |  |  |  |
|--------------------------------|----|-----|------|--|--|--|--|--|--|--|
| Bromobenzene                   | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| n-Propyl Benzene               | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 2-Chlorotoluene                | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 4-Chlorotoluene                | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| tert-Butylbenzene              | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| sec-Butylbenzene               | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| p-Isopropyltoluene             | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| n-Butylbenzene                 | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2-Dibromo-3-chloropropane    | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Naphthalene                    | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Hexachlorobutadiene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,3-Trichlorobenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Tertiary Butyl Alcohol (TBA)   | ND | 12  | µg/L |  |  |  |  |  |  |  |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Di-isopropyl Ether (DIPE)      | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Ethyl tert-Butyl Ether (ETBE)  | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Tert-Amyl Methyl Ether (TAME)  | ND | 1.0 | µg/L |  |  |  |  |  |  |  |

|  |      |      |      |     |        |
|--|------|------|------|-----|--------|
| <i>Surrogate: Dibromofluoromethane</i> | 20.0 | µg/L | 20.0 | 100 | 70-130 |
| <i>Surrogate: Toluene-d8</i>           | 19.8 | µg/L | 20.0 | 99  | 70-130 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 18.5 | µg/L | 20.0 | 93  | 70-130 |

**Matrix Spike (B015483-MS1)**

Source: 6021915-01

Prepared & Analyzed: 02/22/16

|                              |      |     |      |      |    |     |        |
|------------------------------|------|-----|------|------|----|-----|--------|
| 1,1-Dichloroethene (1,1-DCE) | 25.4 | 1.0 | µg/L | 25.0 | ND | 102 | 70-130 |
| Benzene                      | 25.8 | 1.0 | µg/L | 25.0 | ND | 103 | 70-130 |
| Trichloroethene (TCE)        | 25.5 | 1.0 | µg/L | 25.0 | ND | 102 | 70-130 |
| Toluene                      | 28.8 | 1.0 | µg/L | 25.0 | ND | 115 | 70-130 |
| Chlorobenzene                | 24.7 | 1.0 | µg/L | 25.0 | ND | 99  | 70-130 |

|  |      |      |      |    |        |
|--|------|------|------|----|--------|
| <i>Surrogate: Dibromofluoromethane</i> | 19.4 | µg/L | 20.0 | 97 | 70-130 |
| <i>Surrogate: Toluene-d8</i>           | 18.5 | µg/L | 20.0 | 92 | 70-130 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 18.4 | µg/L | 20.0 | 92 | 70-130 |



## Volatile Hydrocarbons by GC/MS

| Analyte                                | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>Batch B015483 - EPA 5030 GC/MS</b>  |        |                 |       |             |               |      |             |     |           |       |
| <b>Matrix Spike Dup (B015483-MSD1)</b> |        |                 |       |             |               |      |             |     |           |       |
| Source: 6021915-01                     |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 02/22/16          |        |                 |       |             |               |      |             |     |           |       |
| 1,1-Dichloroethene (1,1-DCE)           | 24.5   | 1.0             | µg/L  | 25.0        | ND            | 98   | 70-130      | 4   | 20        |       |
| Benzene                                | 25.9   | 1.0             | µg/L  | 25.0        | ND            | 103  | 70-130      | 0.2 | 20        |       |
| Trichloroethene (TCE)                  | 25.6   | 1.0             | µg/L  | 25.0        | ND            | 102  | 70-130      | 0.3 | 20        |       |
| Toluene                                | 28.2   | 1.0             | µg/L  | 25.0        | ND            | 113  | 70-130      | 2   | 20        |       |
| Chlorobenzene                          | 24.8   | 1.0             | µg/L  | 25.0        | ND            | 99   | 70-130      | 0.4 | 20        |       |

|  |             |  |             |             |  |           |               |  |  |  |
|--|-------------|--|-------------|-------------|--|-----------|---------------|--|--|--|
| <i>Surrogate: Dibromofluoromethane</i> | <i>19.6</i> |  | <i>µg/L</i> | <i>20.0</i> |  | <i>98</i> | <i>70-130</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>           | <i>18.7</i> |  | <i>µg/L</i> | <i>20.0</i> |  | <i>93</i> | <i>70-130</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>18.0</i> |  | <i>µg/L</i> | <i>20.0</i> |  | <i>90</i> | <i>70-130</i> |  |  |  |



## Notes and Definitions

---

|     |  |
|-----|--|
| RDL | Reporting Detection Limit  |
| ND  | Analyte NOT DETECTED at or above the reporting detection limit (RDL) |
| RPD | Relative Percent Difference  |
| NR  | Not Reported   |



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

# CHAIN OF CUSTODY

Lab Project Number: 6022901  
 Client Project Name: 325 YOLANDA AVE  
 Client Project Number: \_\_\_\_\_

RUSH

**CLIENT INFORMATION**

Company Name: **Environmental Geology Services**  
 Address: **6169 Amie Drive**  
**Windsor, CA 95492**  
 Contact: **David Bush**  
 Phone #: **(707) 528-0810**  
 Fax #: **(707) 528-0810**  
 e-mail: **dbush@egsconsultants.com**

Geotracker EDF:  Y  N  
 Global ID: \_\_\_\_\_

**TURNAROUND TIME (check one)**

Same Day   
 48 Hours \_\_\_\_\_ 24 Hours \_\_\_\_\_  
 5 Days \_\_\_\_\_ Normal \_\_\_\_\_

Cooler Temperature  
ICES °C

Page 1 of 1

**ANALYSIS**

| Item | Client Sample ID | Date Sampled | Time | Matrix           | # Cont. | Presv. Y/N | TPH/Gas/BTEX & MTBE<br>EPA 8015/8021 | TPH Diesel / Motor Oil<br>EPA 8015M | Volatile & GRO Hydrocarbons<br>EPA 8260B (Full List) | BTEX & Oxygenates + PB Scavengers<br>EPA 8260B | Oxygenated Fuel Additives<br>EPA 8260B | Chlorinated Solvents<br>EPA 8010 / EPA 8260B | Semi-Volatile Hydrocarbons<br>EPA 8270C | TRPH / TOG<br>SM 5520F / EPA 418.1 | Pesticides / PCB's<br>EPA 8081 / 8141 / 8082 | Cam 17 Metals / 5 Luft Metals | Total Lead | Comments | Lab Sample # |     |
|------|------------------|--------------|------|------------------|---------|------------|--------------------------------------|-------------------------------------|--|--|--|--|---|------------------------------------|--|-------------------------------|------------|----------|--------------|-----|
| 1    | DW-325           | 2/29/16      | 7:55 | H <sub>2</sub> O | 3       | Y          |                                      |                                     | X  |  |  |  |   |                                    |  |                               |            |          | 6022901      | -01 |
| 2    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 3    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 4    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 5    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 6    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 7    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 8    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 9    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 10   |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |

**SIGNATURES**

Relinquished By: \_\_\_\_\_  
 Signature \_\_\_\_\_

Sampled By: DAVID BUSH  
2/29/16 8:35  
 Date Time

Received By: \_\_\_\_\_  
 Signature \_\_\_\_\_

2.29.16.8:35  
 Date Time

## **APPENDIX F**

### ***MW-1 and MW-2 Well Destruct Document***



November 3, 2008

Mr. Larry Hulsman  
Hulsman Transportation, Inc.  
P.O. Box 423  
Santa Rosa, CA 95402

**Subject: Summary of Well Destruction Activities  
Groundwater Monitoring Wells MW-1 and MW-2  
Hulsman Transportation, Inc.  
325 Yolanda Avenue, Santa Rosa, California  
CRWQCB Case No. ITR050**

Dear Mr. Hulsman,

ECON has prepared this report summarizing the destruction of two monitoring wells (MW-1 and MW-2) at the Hulsman Transportation property at 325 Yolanda Avenue in Santa Rosa, California (Plate 1). The monitoring wells were destroyed in accordance with Sonoma County Environmental Health Department (SCEHD) specifications and ECON's work plan dated October 12, 2004.

#### **WELL DESTRUCTION ACTIVITIES**

In 2004, a well destruction permit application, work plan and a project-specific health and safety plan were submitted to the SCEHD. The County issued Clear Heart Drilling permit #4477. However, the wells heads were buried and unable to be located until 2008. The SCEHD reissued the permit under #SR007854. A copy of the originally approved SCEHD permit is attached.

On August 14, 2008, Clear Heart Drilling of Santa Rosa, California, (Licenses A, B, C-57 #780357) destroyed two monitoring wells (MW-1 and MW-2) by overdrilling the entire well casing and sand pack. The borings were grouted to surface grade with 5% bentonite/cement slurry in accordance with Sonoma County water well destruction requirements. The grouted borings were covered with existing surface finish (gravel). The attached Plate 1 shows locations of the destroyed wells.

#### **WASTE DISPOSAL**

Soil cuttings and waste well construction materials were stored onsite in State of California DOT approved 55 gallon drums pending receipt of analytical results (attached). Target analytes were not detected so the soil was reused on site. Well casing was disposed of as construction debris.



Well Destruction Report  
325 Yolanda Avenue, Santa Rosa  
November 3, 2008

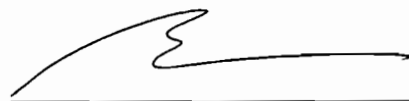
## LIMITATIONS

ECON performed the scope of work in a manner consistent with the standards of care and skill normally exercised by members of the profession practicing under similar conditions in the geographic vicinity and at the time the services were performed. No warranty or guarantee expressed or implied is part of the services offered in this report.

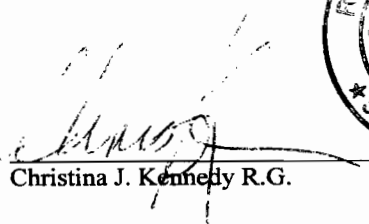
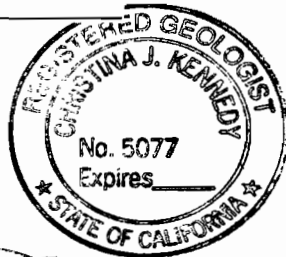
If you require further information, please feel free to call me at 707-823-2324.

Sincerely,

ECON,



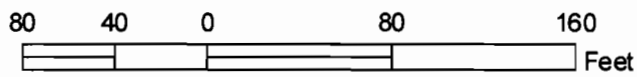
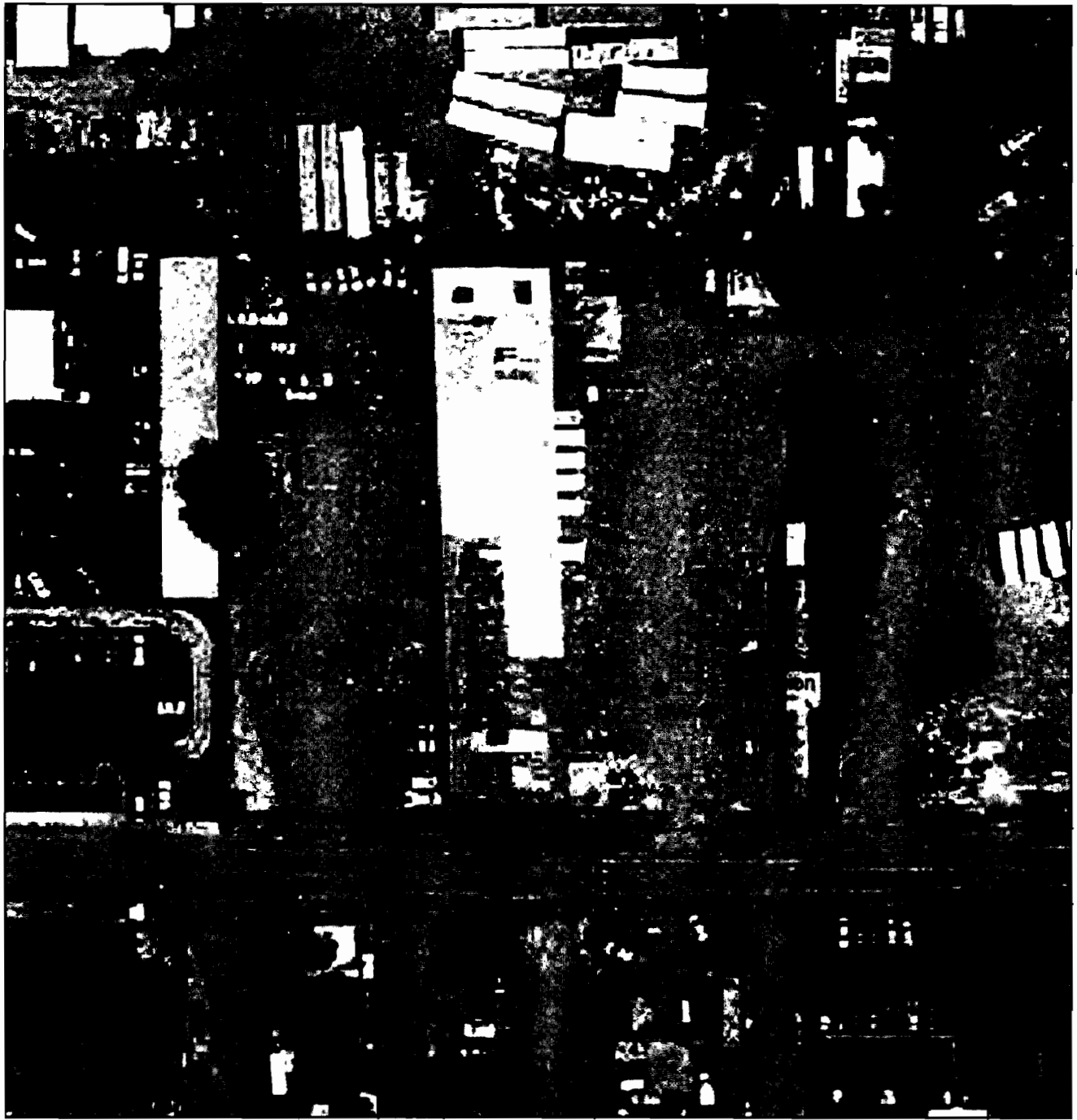
Andrew S. Rodgers  
Project Manager



Christina J. Kennedy R.G.

cc: Ms. Leslye Choate, Sonoma County Environmental Health Department  
Ms. Joan Fleck, California Regional Water Quality Control Board

Attachments: Plate 1 – Site Plan  
Well Destruction Permit  
Laboratory Analytical Reports



1 inch equals 80 feet

- Destroyed Well
- Existing Well



Well Location Map  
325 Yolanda Avenue  
Santa Rosa, California

Plate

1

November 2008

For Office Use Only  
Amount paid \$922.00  
Receipt number 0718  
Payment date 10/15/04  
Revenue code 143

APPLICATION FOR MONITORING WELL PERMIT  
for Regional Board Lead/Environmental Assessment

Site ID # 35 Permit # MW-44716 Destruct-4477

Well type:  Monitoring well  Recovery extraction well  Boring  Injection well  
 Soil gas survey  Hydropunch  Air sparging/venting  Other

Well depth 3.25/1-4' Boring depth \_\_\_\_\_ Hydro depth \_\_\_\_\_ Air sparging/venting depth \_\_\_\_\_

# On-site well/boring 4 ID # MW-152525, 70 # Off-site well/boring \_\_\_\_\_ ID # \_\_\_\_\_

Submit legal right-of-entry/off-site well address/encroachment permit  
On-site Address 325 YUKONA AVE SANTA ROSA, CA

On-site Owner LAGER HILFMAN Phone \_\_\_\_\_

Address 325 YUKONA AVE SANTA ROSA, CA AP# \_\_\_\_\_

Responsible Party LAGER HILFMAN Phone \_\_\_\_\_

Address 325 YUKONA AVE SANTA ROSA, CA

Consultant ECOM Phone 707-779-0202

Address 305 PENNINGTON BLVD SANTA ROSA, CA 95402 License #/Type \_\_\_\_\_

Drilling Contractor Clear West Drilling, Inc. Phone 707-568-1075

Address 713 W. College Ave Santa Rosa, CA C-57 License # 780357

Type of work:  Initial investigation # Wells  Subsequent investigation 95401 # Wells  Destruct 3 # Wells

Groundwater investigation due to:  Underground tank  Surface impoundment  Assessment

Surface disposal practice—specify involved industry \_\_\_\_\_

Other \_\_\_\_\_

Perforated intervals 3.10-25', 1e 30-40' Chemical constituents TRICHS, PCB, HHP

Disposal method for soil cuttings \_\_\_\_\_ Disposal method for development water \_\_\_\_\_

Drilling method Horizontal Air Auger Method of drill equip. rinse containment \_\_\_\_\_

If destroying a well, abandonment method \_\_\_\_\_

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 leachfield?  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 identification system affixed to interior surface:  
1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be affixed to the exterior surface security structure.

RWQCB approval JOAN ECKER VERBA Date 11/19/04

001343P  
WELL PER 612.00  
001343P  
WELL PER 812.00  
TITANIUM 324.00  
CHECK 124.00  
CHANGE 1.00  
0688 12 16.00

Address 325 Yukonida  
Santa Rosa  
 Site ID# 35  
 Permit # MW 4476  
Destruct 4477

**WORKERS COMPENSATION CERTIFICATE**

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 (907) 525-6565, 24 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days in order to obtain final approval on this well. 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.

A currently effective certificate of Workers Compensation insurance coverage is on file with this office, made out in the name of the Sonoma County Department of Health Services.

Signature of Well Driller [Signature] Date 10.12.04  
 Insurance Carrier State Fund Expiration Date 1/1/05

Once all wellborings are installed, submit a "Letter of Completion" to complete permit process.

Indicate on attached plot plan the exact location of wells with respect to the following items: property lines, water bodies or water courses drainage system, roads, existing public sewer main and lateral and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIRECTIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit: 11

---



---

0013430  
 WELL FEE 612.00  
 0013430  
 WELL PER 318.00  
 TITANT 922.00  
 CHECKS 922.00  
 CHANGE 0.00  
 10/13/04 0718 #2 1676

**FOR OFFICE USE ONLY - ENVIRONMENTAL HEALTH DIVISION**

Permit approved by [Signature] Date 11/09/04  
 Constr. approved by \_\_\_\_\_ Observed?  Yes  No Well # \_\_\_\_\_ Date \_\_\_\_\_



**E**NVIRONMENTAL  
**G**EOLOGY  
**S**ERVICES

Consulting and Project Management

Serving Northern California Since 1989  
[www.EGSconsultants.com](http://www.EGSconsultants.com)

O/F: 707-528-0810  
M: 707-953-1020

November 25, 2016  
Project #451.0711

Ms. Jo Bentz  
North Coast Regional Water Quality Control Board  
5550 Skylane Boulevard  
Santa Rosa, CA 95403

**RE:           REPORT:**  
**Soil Vapor Investigation and Sensitive Receptor Survey**  
**Hulsman Transportation**  
**325 Yolanda Avenue, Santa Rosa, California**  
**NCRWQCB #1TSR050, USTCF Claim #744**

Dear Ms. Bentz:

This Report for Soil Vapor Investigation and Sensitive Receptor Survey (Report) has been prepared in accordance with the directives set forth by the North Coast Regional Water Quality Control Board (NC-RWQCB), in their letter dated May 13, 2016, requesting a soil vapor investigation and sensitive receptor survey (SRS), as well as other items, at the referenced site prior to their case closure consideration. The following presents our scope of work to address the NC-RWQCB soil vapor investigation and SRS directives.

## **SCOPE OF WORK**

The scope of work implemented and documented in this Report consisted of the following tasks:

- Project Management (consultation, coordination, scheduling)
- Work Plan Preparation (including permitting and utility clearance)
- Soil Vapor Investigation
- Laboratory Analysis
- Sensitive Receptor Survey
- Findings, Conclusions and Recommendations

The following sections present further detail of the above completed scope of work.

## **PROJECT MANAGEMENT, CONSULTATION, COORDINATION, SCHEDULING**

We consulted with our C-57 licensed drilling subcontractor, TEG Northern CA, to determine rig capabilities and site access to investigate subsurface soil vapor. We also consulted with the necessary regulatory agencies (SCEHD) for their permitting requirements.

In this task we coordinated the schedule with our subcontractors and laboratory, as well as with the Client and regulatory agencies. This task also included general project management and administration during the project.

## **WORK PLAN PREPARATION, PERMITTING, UTILITY CLEARANCE**

As part of the permitting process, regulatory agencies require a formal description of work (Work Plan with a site specific Health and Safety Plan or HASP) to be submitted with the drilling permit application. In this task we prepared our Work Plan and HASP dated June 27, 2016 to the level of detail required by the Sonoma County Environmental Health Division (SCEHD) to obtain necessary permits.

A copy of the Work Plan was also submitted to the NC-RWQCB for their approval and uploaded to the State Geotracker Database. After multiple e-mails, the NC-RWQCB concurred with the scope of work for soil vapor investigation in Jo Bentz's July 25, 2016 e-mail.

EGS also completed the SCEHD drilling permit application. Upon approval of the Work Plan by the NC-RWQCB, the SCEHD issued drilling permit SR0013683 dated July 26, 2016.

Additionally, at least 4 days prior to drilling, EGS traveled to the site to mark the property boundaries and the proposed exploration locations with white paint and notify Underground Services Alert (USA) of exploration dates, and obtained utility clearance W620900885-00W.

## **SOIL VAPOR INVESTIGATION**

On August 4, 2016, EGS direct our subcontract drilling company TEG Northern CA to advance eight (8) exploratory soil probes (SV-1 through SV-8) to investigate the potential presence of residual petroleum hydrocarbons in shallow soil vapor beneath the site. The final locations of the soil vapor samples are presented on Plate 2 of this Report.

EGS incorporated soil vapor survey technology to address the concern for possible vapor encroachment into current and potential future building units in the area of the remaining, localized residual contaminant plume. Soil vapor samples were collected in

Soil Vapor Investigation and Sensitive Receptor Survey  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NCRWQCB #1TSR050, USTCF Claim #744

accordance with the California Department of Toxic Substances Control (DTSC) *guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion* dated October 2011 and the *Advisory-Active Soil Gas Investigations* dated July 2015.

Soil vapor samples were collected by a direct push rig using a 1-inch diameter rod equipped with steel knock-off tip to a final depth 6 feet bgs. Upon reaching the final exploration depth, the rod was extracted and approximately 6 inches of sand was added to the bottom of the probe hole. A soil vapor sampling tip and 1/8" tubing was then inserted into the bottom of the probe, above the placed sand. The temporary soil vapor well was then completed by adding another 6 inches of sand above the soil vapor sample tip, followed by adding approximately one foot of dry granular bentonite, followed by hydrated granular bentonite to the surface to create a seal. Refer to Plate 3 of this Report for a typical temporary soil vapor well construction detail. Refer also to TEG's field log which is attached to this report for reference.

In accordance with DTSC guidelines, the temporary soil vapor wells were allowed to equilibrate for at least 2 hours before sampling. After equilibration, a leak check compound (IPA) was placed within a shroud above the temporary well head. Additionally, the leak check compound was placed beneath the final connection of the sampling tube to sample container. The leak check compound was analyzed to confirm the integrity of the temporary soil vapor well seal and connection points to verify that subsurface formation soil vapor was being sampled without the influence of ambient air.

At least 3 well volumes of soil vapor was then purged from each soil vapor sample point by TEG's on site analytical laboratory field chemist, using of a certified clean glass syringe. Upon purging each temporary soil vapor well, collection of a soil vapor sample was completed by TEG's on site chemist using a glass syringe.

The glass syringe containing the soil vapor sample was then transferred to TEG's on site mobile laboratory for immediate analysis as described in a following section of this Report. In addition, based on NC-RWQCB directives, soil vapor samples were also collected and contained in sorbent tubes for analysis of TPH-diesel from locations SV-1 and SV-2 (near the former diesel fuel UST's, Plate 2).

### Quality Control Procedures

Field and laboratory sampling and quality control (QC) procedures for this task included the following:

- Drilling and sampling equipment was decontaminated by steam cleaning and/or washing with phosphate-free detergent and rinsing with potable water;
- Soil vapor sample containers were appropriate for the required analysis described in a following section of this Report;

- Sample containers were labeled, and logged on a Chain-of-Custody form for transport to our subcontracted California State Certified on site analytical laboratory, as well as our off site analytical laboratory for TPH-diesel analysis;
- Field logs were prepared during the field work by TEG (attached to this report) and reviewed by our California State Professional Geologist, who also supervised the exploration and collected the soil vapor samples;
- Retained soil vapor was collected in clean certified glass syringes and sorbent tubes and logged onto a chain of custody form for delivery to the California State Certified analytical laboratory (sorbent tubes) for analysis of TPH-D;
- Integrity of the temporary soil vapor well was verified to be leak free by use of a Leak check compound (IPA) during the soil vapor purging and sampling effort;
- Soil sample holding times and analysis were pursuant to EPA guidelines;
- Laboratory QC was performed pursuant to the procedures inherent with the specific methods used for analysis;
- A duplicate soil vapor sample was collected from the SV-4 location and analyzed for QA purposes;
- Analysis was performed by laboratories certified by the State of California for each method of analysis used during the project;
- Site Photos of field and sampling activities are attached to this Report for reference.

### **Probe Completion**

After the soil vapor samples were collected, the 1/8" soil vapor tubing was removed from the hydrated bentonite so that the bentonite could expand and seal each probe hole.

In accordance with the SCEHD permitting requirements, the upper 3 feet of the hydrated bentonite was removed using a handheld roto-hammer drill, followed by adding neat cement slurry into the probe hole. The minimal amount of removed hydrated bentonite was then flattened onto the ground surface to further seal the probe hole.



## **LABORATORY ANALYSIS AND REVIEW**

Soil vapor samples collected as described above were analyzed on site using TEG's State Certified mobile laboratory for volatile organic compounds (VOC's) including reporting TPH-gasoline and naphthalene using EPA Testing Method 8260. The oxygen content of the subsurface formation at each soil vapor sample location was also measured by TCD. Additionally, as directed by the NC-RWQCB, soil vapor samples were analyzed for TPH-diesel by Test Method NIOSH 1550M.

Soil vapor sample holding times and analysis were pursuant to the EPA Method guidelines. The results of the soil vapor samples collected during this investigation were reviewed by our California State Professional Geologist, and the findings are included in a following section of this report.

## **SENSITIVE RECEPTOR SURVEY**

As directed by the NC-RWQCB, a Sensitive Receptor Survey (SRS) was completed as part of this investigation. The SRS included identifying the location of existing, or if possible, abandoned water supply wells within a 500-foot radius from the residual contaminant plume boundary by completing a well canvas, reviewing well logs provided by the California DWR, and reviewing previously collected SRS data from other nearby investigations.

The SRS also identified nearby surface waters and preferential water pathways, identified potential sensitive environmental habitats and/or land use if any, and identified relevant public health and safety issues if any. The following presents the results of our Sensitive Receptor Survey:

- A site / area reconnaissance and well canvas was performed to visually identify active wells or probable wells within a 500-foot radius beyond the limits of the residual contaminant plume. Three active, in use wells were identified as follows:
  - DW-325 located on the subject site approximately 230 feet to the northeast (up gradient) of the former gasoline UST on the subject site;
  - DW-2612, located at 2612 Santa Rosa Avenue approximately 394 feet northwest (cross gradient) from the former UST at the subject site;
  - DW-2620, located at 2620 Santa Rosa Avenue approximately 314 feet northwest (cross gradient) from the former UST at the subject site.
- The location of each of these wells is presented on Plate 4 of this Report. Each of these wells is currently in use at the referenced properties.

- Additionally, EGS identified an existing water supply well located at 2601 Santa Rosa Avenue, although this well is beyond 1000 feet west-northwest from the former UST located on the subject site (Plate 4).
- EGS verified that, with the exception of the subject site located at 325 Yolanda Avenue and the addresses of 2612 and 2620 Santa Rosa Avenue (location of water supply wells), the surrounding area properties within 500 feet of the localized residual contaminant plume are connected to the City of Santa Rosa municipal water supply. There is a connection for city water located along Yolanda Avenue for the subject site, but the property has never been connected to the service, although it is connected to city sanitary sewer service.
- The nearest surface water body to the subject site is Colgan Creek, located approximately 2500 feet northeast of the former gasoline UST location.
- We reviewed 238 water supply well completion/destruction logs provided to EGS by the Department of Water Resources (DWR), with no additional existing wells located within 500 feet of the remaining residual groundwater plume that were not identified in our well canvas.
- EGS identified three (3) well destruction logs for the property located at 372 Yolanda Avenue (southeast of the former gasoline UST) as well as two (2) well destruction logs for the property located at 316 Yolanda Avenue, adjacent south of the site as provided by the DWR (Plate 4).
- EGS met with the property owner, Mr. Eric Drew, to verify that there are no existing wells at the residences located at 376 and 380 Yolanda Avenue (Plate 3). Mr. Drew indicated that there had been older wells which have been removed (abandonment methods and dates unknown), and that each of the residences is supplied city water. EGS observed the abandoned well casing at 376 Yolanda Avenue (Plate 4).
- EGS also consulted with Mr. Ken Crownover, owner of Malm Fireplaces located at 368 Yolanda Avenue, as well as Mr. Mike Gasperini, representative of the property owner at 368 Yolanda Avenue; each of which verified that the properties located at 358/358B and 368 Yolanda Avenue do not have active water supply wells, that the older water supply wells had been removed due to the ongoing groundwater investigation at 368 Yolanda Avenue, and that the properties are serviced by city water.
- There are no hospitals, schools, or day-care centers within ½ mile of the site.

- There appears to be no environmentally sensitive habitats nearby the subject property as the surrounding area is developed.
- There are no residences that use water supplied from a well within 500 feet of the former gasoline UST and associated minimal residual contaminant plume.

EGS also reviewed the findings of Edd Clark & Associates SRS information (included in their report dated May 2, 2016 prepared for 2640 Santa Rosa Avenue) and SCS Engineers Sensitive Receptor Survey dated March 28, 2012 prepared for the site located at 368 Yolanda Avenue. Based on our review of those reports, there are seven (7) additional abandoned water supply wells identified within 500 feet of the residual contaminant plume related to the former UST on the subject site (Plate 4). A summary of information available regarding these wells follows:

- Well W-1: 2690 Santa Rosa Avenue (former Lyle's Tackle Shop), had been out of service since 1987, *abandoned in 2000*. This well was inaccurately referred to in the USTCF September 2014 5-year review.
- Well W-2: Interior of the former Malm Metal building (2642 Santa Rosa Avenue), had been out of service since 1988 and *abandoned in 2000*.
- Well W-3: 302 Yolanda Avenue, had been out of service since 1978, *abandoned in 2000*.
- Well W-4: 316 Yolanda Avenue, replaced by Well W-7 in 1983 due to contamination impacts, and *abandoned in 2005*.
- Well W-5: 2696 Santa Rosa Avenue (beyond 500 feet of site plume, not shown on Plate 3), *abandoned in 2000*.
- Well W-6: 2698 A Santa Rosa Avenue (beyond 500 feet of site plume, not shown on Plate 3), *abandoned in 2000*.
- Well W-7: 316 Yolanda Avenue, installed in 1983 replacing W-4 and used until 1997. Depth 170 feet bgs, screen interval from 90 - 170 feet bgs, contains 65 foot seal from ground surface, *abandoned in 2005*.

Plate 4 of this Report presents the site map with 500-foot radius, depicts the location of the remaining localized residual contaminant plume, the location of the existing on site domestic well and two (2) nearby existing wells, as well as the location of the above described abandoned domestic water supply wells and other abandoned water supply wells documented in this SRS.

## **Domestic Water Supply Well Sampling**

EGS and others have collected water samples from the domestic water supply well located at the subject site address of 325 Yolanda Avenue (DW-325, attached Plate 3). Water samples were collected from this well in 1989 and 1990, and EGS collected water samples from this well in October 2011 and on February 29, 2016, all of which resulted in no detections of CoC's analyzed for.

The onsite water supply well is located approximately 230 feet northeast of the former gasoline UST, in an upgradient position from the minimal residual contaminant plume (Plate 3). This well is not being used for drinking water. Future site use as part of redevelopment is unknown at this time. However, as stated in their May 13, 2016 letter, it does not appear that the NC-RWQCB will require abandonment of this well as part of the anticipated UST investigation closure.

## **GEOTRACKER COMPLIANCE**

In accordance with State and County requirements, EGS has uploaded all pertinent site information, including but not limited to Work Plans, Reports, maps, boring logs, and lab reports, and has submitted this report to the GeoTracker Database.

## **FINDINGS**

EGS received the Analytical Sciences Laboratory and QA/QC Report dated August 18, 2016 (attached to this Report) which included the results of the soil vapor sampling effort for TPH-diesel as part of this investigation. There were *no detections* of this compound in soil vapor locations SV-1 and SV-2.

EGS received the TEG Northern CA, Inc. Data Report dated August 22, 2016 (attached to this Report) which included the results of the soil vapor sampling effort as part of this investigation. With the exception of very low concentrations of benzene slightly above the Reporting Limit (RL) of 35  $\mu\text{g}/\text{m}^3$  for this compound, there were *no detections* of compounds analyzed for in soil vapor samples analyzed by EPA 8260 which included TPH-gasoline and naphthalene.

Very low concentrations of benzene were detected in soil vapor samples collected from SV-1 (37  $\mu\text{g}/\text{m}^3$ ), SV-4 (36  $\mu\text{g}/\text{m}^3$ ), SV-5 (57  $\mu\text{g}/\text{m}^3$ ), and SV-7 (57  $\mu\text{g}/\text{m}^3$ ). The concentrations of benzene detected are well below the State of California Low-Threat Closure Policy's (LTCP) Scenario 4 – Direct Measurement of Soil Gas Concentration (1 of 2) Criteria of 85  $\mu\text{g}/\text{m}^3$  for residential development, and 280  $\mu\text{g}/\text{m}^3$  for commercial development.

Additionally, the oxygen content of the subsurface soil was measured at each location resulting in a range of 9.9% to 21%, with a mean of 19.73%. These results are far

greater than the 4% requirement needed for a site to be categorized as having a Bioattenuation Zone in accordance with the LTCP. Since this site meets the oxygen threshold of 4% or greater it is considered as having a Bioattenuation Zone, which increases the screening criteria for benzene 1000-fold in accordance with the LTCP.

## **CONCLUSIONS**

Based on the findings of this Soil Vapor Investigation, no compound analyzed for exceeds the LTCP screening criteria for direct measured soil gas concentrations.

Additionally, based on the findings of the Sensitive Receptor Survey, EGS identified three (3) existing water supply wells within 500 feet of the residual contamination plume including the onsite domestic well located 230 feet northeast of the former gasoline UST (DW-325) and the two (2) offsite, cross gradient wells to the northwest located at 2612 Santa Rosa Avenue (394 feet northwest from former UST, DW-2612) and 2620 Santa Rosa Avenue (314 feet northwest from former UST, DW-2620).

The following provides information as it relates to the location of identified domestic water supply wells within 500 feet of the residual contaminant plume, and observed groundwater data collected from monitoring wells located between the residual contaminant plume and the identified domestic supply wells:

- Based on our review of previously collected groundwater data from onsite monitoring well MW-1s (well located in an upgradient, northeast position between the residual contaminant plume and the onsite domestic water supply well DW-325, Plate 4), there have been no detections of compounds analyzed for.
- Based on our review of previously collected groundwater data from onsite monitoring well MW-4 (well located in a cross gradient, northwest position between the residual contaminant plume and the offsite domestic water supply wells DW-2612 and DW-2620, Plate 4), there have been no detections of compounds analyzed for.
- Based on our review of previously collected groundwater data from offsite monitoring well B-25 (well located in a cross gradient, northern position between the residual contaminant plume associated with the UST investigation at 2640 Santa Rosa Avenue and domestic water supply wells DW-2612 and DW-2620, Plate 4), there have been only very minor detections of compounds analyzed for since 2001, and predominantly (10 of 15 events) there have been *no detections* of compounds analyzed for in this well.

## **RECOMMENDATIONS**

The results of the investigation should satisfy two of the remaining data gaps for this site and directives included in the NC-RWQCB's May 13, 2016 letter (Soil Vapor Investigation and Sensitive Receptor Survey).

EGS provides the following recommendations at this time:

- ❖ EGS recommends that the LTCP Evaluation for Case Closure be updated to include information contained herein, as well as addressing final items contained in the NC-RWQCB's May 13, 2016 letter.
- ❖ EGS has also prepared a draft version of a Soil and Groundwater Management Plan (SGMP) as directed by the NC-RWQCB in their May 13, 2016 which is being reviewed by a possible developer's group. Upon completion of their review, EGS will finalize and submit the SGMP to the NC-RWQCB for their review.

## **LIMITATIONS**

This work was performed in accordance with generally accepted environmental investigation practices for similar investigations for soil vapor sampling conducted at this time and in this geographic area. No other guarantees or warranties, express or implied are provided.

Our scope of work did not include a determination of the environmental and public health impact, of known or suspected contamination. The scope did not include providing a risk assessment. Assumptions made about apparent public health risk are based on limited data and do not constitute a formal assessment of risk. If the Client desires a formal risk assessment, such assessment should be requested as a separate scope of work.

The soil vapor sampling and testing program was intended to provide an assessment of potential soil vapor contamination for specific compounds, at specific locations, depths, and at specific times. The investigation was not exhaustive, and may not have revealed contamination that may be present at locations (horizontal or vertical) other than those explored, sampled and analyzed. This investigation is not intended to predict future on-site or off-site conditions.

It is understood by the parties hereto that the Client who requested this investigation will use the results for the stated purpose and no other purpose. No other use or disclosure is intended by Consultant. Client agrees to hold Consultant harmless for any inverse condemnation or devaluation of said property that may result if the Consultant's report or information generated is used for other purposes.

Finally, the Report is being issued with the understanding that it will be used in its entirety.

---

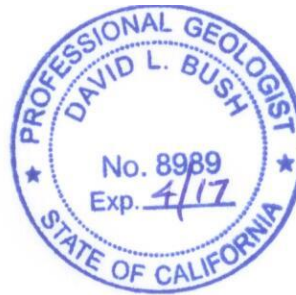
If you have questions about this scope of work in this Report please call me at 707-528-0810.

Sincerely,

**ENVIRONMENTAL GEOLOGY SERVICES**



David L. Bush, P.G.  
Principal Geologist



Attachments:

- Plate 1: Site Location Map
- Plate 2: Site Map with Soil Vapor Sample Locations
- Plate 3: Temporary Soil Vapor Well Detail
- Plate 4: 500-Foot Radius Map

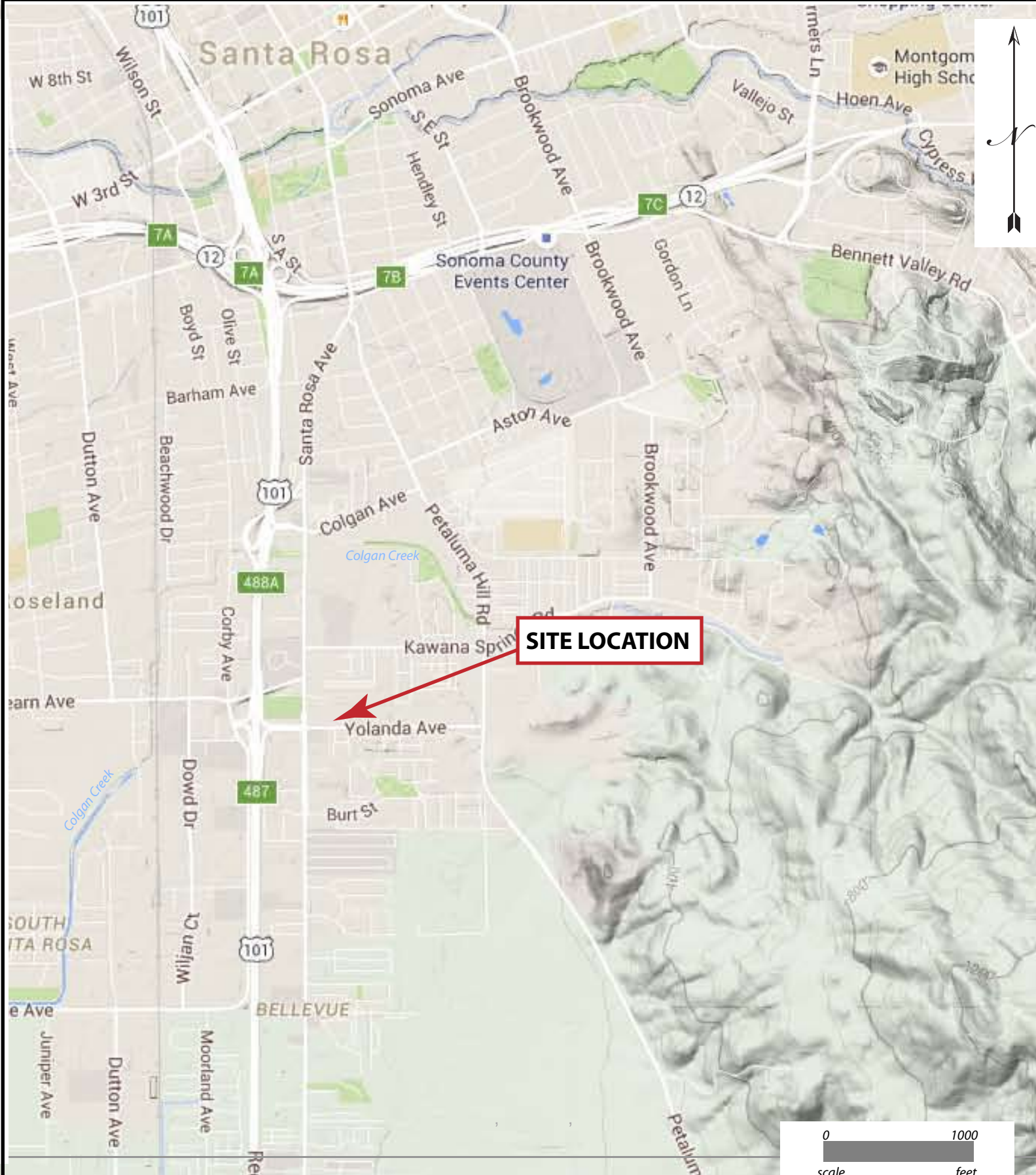
Site Photos

TEG's Field Log

Analytical Sciences Laboratory and QA/QC Report dated August 18, 2016

TEG's Data Report dated August 22, 2016

Cc: Ms. Jo Bentz, NC-RWQCB, [jo.bentz@waterboards.ca.gov](mailto:jo.bentz@waterboards.ca.gov)  
Ms. Lisa Lamb, SCEHD, [lisa.lamb@sonoma-county.org](mailto:lisa.lamb@sonoma-county.org)  
Mr. Jim Hulsman, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)  
Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)  
Geotracker Database



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com O/F: 707-528-0810 M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: NOV 2016



**SITE LOCATION MAP**  
**REPORT: SOIL VAPOR INVESTIGATION and SENSITIVE RECEPTOR SURVEY**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050

PLATE  
**1**





**EXPLANATION**

-  SOIL VAPOR LOCATION
-  Former UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: NOV 2016

**SOIL VAPOR SAMPLE LOCATIONS**  
**REPORT: SOIL VAPOR INVESTIGATION and SENSITIVE RECEPTOR SURVEY**

Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050

|  |  |  |  |  |  |  |  |  |  | Soil Vapor Sample Collection Depth | Total Depth (ft) | SAMPLE | Construction Detail  |
|--|--|--|--|--|--|--|--|--|--|------------------------------------|------------------|--------|--|
|  |  |  |  |  |  |  |  |  |  |                                    |                  |        | EQUIPMENT: Direct Push Rig<br>LOGGED BY: DLB      DATE: 8/4/16<br>DRILLER: TEG Northern CA   |
|  |  |  |  |  |  |  |  |  |  |                                    | 1                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 2                |        | Hydrated granular BenSeal to surface   |
|  |  |  |  |  |  |  |  |  |  |                                    | 3                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 4                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 5                |        | 6-inches dry granular BenSeal<br>6-inches Clean #3 Sand Pack<br>Soil Vapor Sampling Tip set at 5.5 feet bgs<br>6-inches Clean #3 Sand Pack   |
|  |  |  |  |  |  |  |  |  |  | d5.5                               | 6                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 7                |        | TOTAL DEPTH: 6 ft bgs.<br>Construction details include: soil vapor sampling tip was connected to 1/8" teflon tubing for sample collection; a shroud was placed over the sealed surface with IPA included as a leak detection compound; IPA was also included beneath the sample connect point.<br>Completion of the soil vapor probes included: removal of teflon tubing followed by removing upper 3 feet of hydrated BenSeal, followed by adding neat cement to complete probe hole. |
|  |  |  |  |  |  |  |  |  |  |                                    | 8                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 9                |        |  |
|  |  |  |  |  |  |  |  |  |  |                                    | 10               |        |  |



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
Serving Northern California Since 1989  
www.EGSconsultants.com

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: NOV 2016

**TEMPORARY SOIL VAPOR WELL DETAIL**  
**REPORT: SOIL VAPOR INVESTIGATION and SENSITIVE RECEPTOR SURVEY**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050

PLATE  
**3**

O/F: 707-528-0810  
M: 707-953-1020



**EXPLANATION**

EXISTING DOMESTIC WATER SUPPLY WELL  
DW-325

EXISTING ONSITE MONITORING WELL  
MW-1s

GRADIENT DIRECTION

ABANDONED DOMESTIC WATER SUPPLY WELL  
W-1

EXISTING OFFSITE MONITORING WELL  
B-25



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: NOV 2016

**500-FOOT RADIUS MAP**  
**REPORT: SOIL VAPOR INVESTIGATION and SENSITIVE RECEPTOR SURVEY**

Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, CA  
NC-RWQCB Case #1TSR050



Photo 1: View of TEG advancing soil probe with 1-inch direct push rod, testing soil pressure, granular BenSeal and sand on right



Photo 2: View of hydrating granular benSeal



Photo 3: View collecting soil vapor sample in glass syringe, shroud and leak detection compound beneath connection



Photo 4: View removing upper 3 feet of hydrated BenSeal prior to completion of soil vapor probe with neat cement



Photo 5: View showing domestic well casing at 325 Yolanda Avenue



Photo 6: View showing domestic well at 2612 Santa Rosa Avenue



Photo 7: View domestic well at 2620 Santa Rosa Avenue, with well at 2612 Santa Rosa Avenue in background, on right



Photo 8: View of abandoned well casing at 376 Yolanda Avenue

Location: 325 Yolander Ave., Santa Rosa, CA

Date: 8-4-16

Client ID#: 451.0711

Project Manager: Dave Bush

Start Time: 730

TEG #: 60404

TEG Operator: C.V.S.

Finish Time: 1430

| Point ID | Matrix | Time Placed | Time Sampled | Target Depth | Actual Depth | Field Notes             |
|----------|--------|-------------|--------------|--------------|--------------|-------------------------|
| 1 SV-1   | ✓      | 820         |              | 5.5          | 6            |                         |
| 2 SV-2   | ✓      | 842         |              | 5.5          | 6            |                         |
| 3 SV-3   | ✓      | 903         |              | 5.5          | 6            |                         |
| 4 SV-4   | ✓      | 925         |              | 5.5          | 6            |                         |
| 5 SV-5   | ✓      | 934         |              | 5.5          | 6            |                         |
| 6 SV-6   | ✓      | 1001        |              | 5.5          | 6            |                         |
| 7 SV-7   | ✓      | 1019        |              | 5.5          | 6            |                         |
| 8 SV-8   | ✓      | 1038        |              | 5.5          | 6            |                         |
| 9 SV-1   | ✓      |             | 1114         |              |              | Sorbent tube - 200 cc's |
| 10 SV-2  | ✓      |             | 1121         |              |              | Sorbent tube - 200 cc's |
| 11       |        | 1342        |              |              |              | Grouting top 3'         |
| 12       |        |             |              |              |              |                         |
| 13       |        |             |              |              |              |                         |
| 14       |        |             |              |              |              |                         |
| 15       |        |             |              |              |              |                         |
| 16       |        |             |              |              |              |                         |
| 17       |        |             |              |              |              |                         |
| 18       |        |             |              |              |              |                         |
| 19       |        |             |              |              |              |                         |
| 20       |        |             |              |              |              |                         |
| 21       |        |             |              |              |              |                         |
| 22       |        |             |              |              |              |                         |

Site Notes: Temp. vapor implants, 1 in. dia. hole,  
 1/2 in. dia. 20' Nylaflex tubing. Plastic air diffuser.  
 1 ft. #30 sand + 6 in. dry bentonite + hydrated  
 bentonite to surface.  
 Screen set @ 5.5'. Total well depth 6'.

Accepted by: \_\_\_\_\_

Name: Dave Bush

Screens Used: \_\_\_\_\_

Risers Used: \_\_\_\_\_

Safety Meeting Held by: \_\_\_\_\_

signature: \_\_\_\_\_

signature: \_\_\_\_\_

Comments/Topics: P.P.E.



Report Date: August 18, 2016

## Laboratory Report

David Bush  
Environmental Geology Services  
6169 Amie Drive  
Windsor, CA 95492

Project Name:           **325 Yolanda Ave.**                               **451.0711**  
Lab Project Number:   **6080412**

This 4 page report of analytical data has been reviewed and approved for release.

---

Mark A. Valentini, Ph.D.

Laboratory Director



### TPH Diesel in Air

---

| Lab#       | Sample ID | Compound Name | Result ( $\mu\text{g}/\text{m}^3$ ) | RDL ( $\mu\text{g}/\text{m}^3$ ) |
|------------|-----------|---------------|-------------------------------------|----------------------------------|
| 6080412-01 | SV-1      | Diesel        | ND                                  | 2500                             |

|                |          |                |             |           |         |
|----------------|----------|----------------|-------------|-----------|---------|
| Date Sampled:  | 08/04/16 | Date Analyzed: | 08/08/16    | QC Batch: | B016050 |
| Date Received: | 08/04/16 | Method:        | NIOSH 1550M |           |         |

---

### TPH Diesel in Air

---

| Lab#       | Sample ID | Compound Name | Result ( $\mu\text{g}/\text{m}^3$ ) | RDL ( $\mu\text{g}/\text{m}^3$ ) |
|------------|-----------|---------------|-------------------------------------|----------------------------------|
| 6080412-02 | SV-2      | Diesel        | ND                                  | 2500                             |

|                |          |                |             |           |         |
|----------------|----------|----------------|-------------|-----------|---------|
| Date Sampled:  | 08/04/16 | Date Analyzed: | 08/08/16    | QC Batch: | B016050 |
| Date Received: | 08/04/16 | Method:        | NIOSH 1550M |           |         |





## Quality Assurance Report

---

### TPH Diesel in Air

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch B016050 - EPA 3550B GC

Blank (B016050-BLK1)

Prepared & Analyzed: 08/08/16

Diesel ND 2500  $\mu\text{g}/\text{m}^3$



## Notes and Definitions

---

|     |  |
|-----|--|
| RDL | Reporting Detection Limit  |
| ND  | Analyte NOT DETECTED at or above the reporting detection limit (RDL) |
| RPD | Relative Percent Difference  |
| NR  | Not Reported   |





22 August 2016

Mr. David Bush  
Environmental Geology Services  
6169 Amie Drive  
Windsor, CA 95492

**SUBJECT: DATA REPORT - Environmental Geology Services Project #451.0711  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California**

**TEG Project # 60804F**

Mr. Bush:

Please find enclosed a data report for the samples analyzed from the above referenced project for Environmental Geology Services. The samples were analyzed in TEG's mobile laboratory. TEG conducted a total of 17 analyses on 9 soil vapor samples.

- 9 analyses on soil vapors for volatile organic hydrocarbons, and total petroleum hydrocarbons-gasoline range by EPA method 8260B.
- 8 analyses on soil vapors for oxygen by TCD.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Environmental Geology Services on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak  
Director, TEG-Northern California



Environmental Geology Services Project # 451.0711  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

TEG Project #60804F

**EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor**

| SAMPLE NUMBER:                  | Probe   | SV-1    | SV-2    | SV-3    | SV-4    |     |
|---------------------------------|---------|---------|---------|---------|---------|-----|
|                                 | Blank   |         |         |         |         |     |
| SAMPLE DEPTH (feet):            |         | 6.0     | 6.0     | 6.0     | 6.0     |     |
| PURGE VOLUME:                   |         | 3       | 2       | 3       | 2       |     |
| COLLECTION DATE:                | 8/04/16 | 8/04/16 | 8/04/16 | 8/04/16 | 8/04/16 |     |
| COLLECTION TIME:                | 9:42    | 10:27   | 11:00   | 11:24   | 11:51   |     |
| DILUTION FACTOR:                | 1       | 1       | 1       | 1       | 1       |     |
|                                 | RL      |         |         |         |         |     |
| Dichlorodifluoromethane         | 100     | nd      | nd      | nd      | nd      |     |
| Vinyl Chloride                  | 13      | nd      | nd      | nd      | nd      |     |
| Chloroethane                    | 100     | nd      | nd      | nd      | nd      |     |
| Trichlorofluoromethane          | 100     | nd      | nd      | nd      | nd      |     |
| 1,1-Dichloroethene              | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,2-Trichloro-trifluoroethane | 100     | nd      | nd      | nd      | nd      |     |
| Methylene Chloride              | 100     | nd      | nd      | nd      | nd      |     |
| trans-1,2-Dichloroethene        | 100     | nd      | nd      | nd      | nd      |     |
| 1,1-Dichloroethane              | 100     | nd      | nd      | nd      | nd      |     |
| cis-1,2-Dichloroethene          | 100     | nd      | nd      | nd      | nd      |     |
| Chloroform                      | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,1-Trichloroethane           | 100     | nd      | nd      | nd      | nd      |     |
| Carbon Tetrachloride            | 25      | nd      | nd      | nd      | nd      |     |
| 1,2-Dichloroethane              | 45      | nd      | nd      | nd      | nd      |     |
| <b>Benzene</b>                  | 35      | nd      | 37      | nd      | 36      |     |
| Trichloroethene                 | 100     | nd      | nd      | nd      | nd      |     |
| Toluene                         | 200     | nd      | nd      | nd      | nd      |     |
| 1,1,2-Trichloroethane           | 100     | nd      | nd      | nd      | nd      |     |
| Tetrachloroethene               | 100     | nd      | nd      | nd      | nd      |     |
| Ethylbenzene                    | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,1,2-Tetrachloroethane       | 100     | nd      | nd      | nd      | nd      |     |
| m,p-Xylene                      | 200     | nd      | nd      | nd      | nd      |     |
| o-Xylene                        | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,2,2-Tetrachloroethane       | 100     | nd      | nd      | nd      | nd      |     |
| Naphthalene                     | 70      | nd      | nd      | nd      | nd      |     |
| TPH (gasoline range)            | 10000   | nd      | nd      | nd      | nd      |     |
| Isopropyl Alcohol (leak check)  | 10000   | nd      | nd      | nd      | nd      |     |
| Surrogate Recovery (DBFM)       |         | 78%     | 88%     | 77%     | 79%     | 79% |
| Surrogate Recovery (1,2-DCA-d4) |         | 73%     | 79%     | 67%     | 76%     | 72% |
| Surrogate Recovery (Toluene-d8) |         | 90%     | 91%     | 91%     | 91%     | 93% |

'RL' Indicates reporting limit at a dilution factor of 1  
 'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab  
 Analyses performed by: Ms. Lorena Williams



Environmental Geology Services Project # 451.0711  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California

TEG Project #60804F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

| SAMPLE NUMBER:                  | SV-4    | SV-5    | SV-6    | SV-7    | SV-8    |     |
|---------------------------------|---------|---------|---------|---------|---------|-----|
|                                 | dup     |         |         |         |         |     |
| SAMPLE DEPTH (feet):            | 6.0     | 6.0     | 6.0     | 6.0     | 6.0     |     |
| PURGE VOLUME:                   | 2       | 1       | 3       | 1       | 2       |     |
| COLLECTION DATE:                | 8/04/16 | 8/04/16 | 8/04/16 | 8/04/16 | 8/04/16 |     |
| COLLECTION TIME:                | 11:51   | 12:43   | 13:08   | 13:36   | 14:01   |     |
| DILUTION FACTOR:                | 1       | 1       | 1       | 1       | 1       |     |
|                                 | RL      |         |         |         |         |     |
| Dichlorodifluoromethane         | 100     | nd      | nd      | nd      | nd      |     |
| Vinyl Chloride                  | 13      | nd      | nd      | nd      | nd      |     |
| Chloroethane                    | 100     | nd      | nd      | nd      | nd      |     |
| Trichlorofluoromethane          | 100     | nd      | nd      | nd      | nd      |     |
| 1,1-Dichloroethene              | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,2-Trichloro-trifluoroethane | 100     | nd      | nd      | nd      | nd      |     |
| Methylene Chloride              | 100     | nd      | nd      | nd      | nd      |     |
| trans-1,2-Dichloroethene        | 100     | nd      | nd      | nd      | nd      |     |
| 1,1-Dichloroethane              | 100     | nd      | nd      | nd      | nd      |     |
| cis-1,2-Dichloroethene          | 100     | nd      | nd      | nd      | nd      |     |
| Chloroform                      | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,1-Trichloroethane           | 100     | nd      | nd      | nd      | nd      |     |
| Carbon Tetrachloride            | 25      | nd      | nd      | nd      | nd      |     |
| 1,2-Dichloroethane              | 45      | nd      | nd      | nd      | nd      |     |
| <b>Benzene</b>                  | 35      | 37      | 57      | nd      | 57      |     |
| Trichloroethene                 | 100     | nd      | nd      | nd      | nd      |     |
| Toluene                         | 200     | nd      | nd      | nd      | nd      |     |
| 1,1,2-Trichloroethane           | 100     | nd      | nd      | nd      | nd      |     |
| Tetrachloroethene               | 100     | nd      | nd      | nd      | nd      |     |
| Ethylbenzene                    | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,1,2-Tetrachloroethane       | 100     | nd      | nd      | nd      | nd      |     |
| m,p-Xylene                      | 200     | nd      | nd      | nd      | nd      |     |
| o-Xylene                        | 100     | nd      | nd      | nd      | nd      |     |
| 1,1,2,2-Tetrachloroethane       | 100     | nd      | nd      | nd      | nd      |     |
| Naphthalene                     | 70      | nd      | nd      | nd      | nd      |     |
| TPH (gasoline range)            | 10000   | nd      | nd      | nd      | nd      |     |
| Isopropyl Alcohol (leak check)  | 10000   | nd      | nd      | nd      | nd      |     |
| Surrogate Recovery (DBFM)       |         | 82%     | 85%     | 77%     | 83%     | 75% |
| Surrogate Recovery (1,2-DCA-d4) |         | 77%     | 76%     | 68%     | 82%     | 68% |
| Surrogate Recovery (Toluene-d8) |         | 89%     | 101%    | 90%     | 87%     | 89% |

'RL' Indicates reporting limit at a dilution factor of 1  
 'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab  
 Analyses performed by: Ms. Lorena Williams



Environmental Geology Services Project # 451.0711  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

TEG Project #60804F

Analyses of SOIL VAPOR

Oxygen in percent by Volume

| SAMPLE NUMBER | SAMPLE DEPTH (feet) | PURGE VOLUME | COLLECTION DATE | COLLECTION TIME | Oxygen % |
|---------------|---------------------|--------------|-----------------|-----------------|----------|
| Probe Blank   |                     |              | 8/04/16         | 10:00           | 21       |
| SV-1          | 6.0                 | 3            | 8/04/16         | 10:49           | 17       |
| SV-2          | 6.0                 | 2            | 8/04/16         | 11:08           | 20       |
| SV-3          | 6.0                 | 3            | 8/04/16         | 11:31           | 9.9      |
| SV-4          | 6.0                 | 2            | 8/04/16         | 12:38           | 16       |
| SV-5          | 6.0                 | 1            | 8/04/16         | 12:50           | 19       |
| SV-6          | 6.0                 | 3            | 8/04/16         | 13:18           | 17       |
| SV-7          | 6.0                 | 1            | 8/04/16         | 13:39           | 20       |
| SV-8          | 6.0                 | 2            | 8/04/16         | 14:04           | 18       |

Reporting Limit: 1.0

'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab  
Analyses performed by: Ms. Lorena Williams



Environmental Geology Services Project # 451.0711  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

TEG Project #60804F

CALIBRATION DATA - Daily Calibration Check Compounds (GC/MS)

---

|                 | <i>Vinyl Chloride</i> | <i>1,1 DCE</i> | <i>Chloroform</i> | <i>1,2 DCP</i> | <i>Toluene</i> | <i>Ethylbenzene</i> |
|-----------------|-----------------------|----------------|-------------------|----------------|----------------|---------------------|
| <i>Midpoint</i> | 10.0                  | 10.0           | 10.0              | 10.0           | 10.0           | 10.0                |

---

Continuing Calibration - Midpoint

---

|         |     |      |     |     |     |      |
|---------|-----|------|-----|-----|-----|------|
| 8/04/16 | 8.1 | 10.6 | 8.0 | 9.7 | 8.1 | 11.2 |
|         | 81% | 106% | 80% | 97% | 81% | 112% |

---





**E**NVIRONMENTAL  
**G**EOLGY  
**S**ERVICES

Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

**REPORT:**  
**SITE EVALUATION FOR CASE CLOSURE**

**Hulsman Transportation**  
**325 Yolanda Avenue**  
**Santa Rosa, California**  
***NC-RWQCB Case No. 1TSR050***

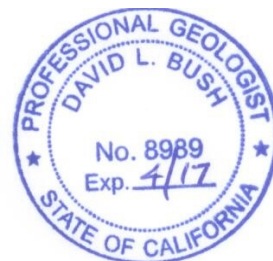
Prepared for:

Hulsman Transportation  
P.O. Box 423  
Santa Rosa, CA 95402

Prepared by:

**Environmental Geology Services**  
**6169 Amie Drive**  
**Windsor, CA 95492**

David L. Bush, PG 8989  
Principal Geologist



**March 3, 2016**  
Project #451.0711

**TABLE OF CONTENTS**

Introduction..... -1-

SITE CONCEPTUAL MODEL..... -2-

Background..... -2-

    Site and Vicinity Description..... -2-

    UST (Source) Removals..... -3-

    Previous Environmental Reports..... -3-

    Previous Investigations..... -4-

    Groundwater Monitoring..... -7-

    Previous Corrective Action Plans..... -7-

Regional and Site Geology / Hydrogeology..... -8-

    Geologic and Hydrogeologic Setting..... -8-

    Local Geology and Cross-Sections..... -9-

    Transmissivity..... -10-

    Depth to Groundwater..... -10-

    Groundwater Gradient..... -10-

Contaminants of Concern (CoC's)..... -12-

Extent of Residual Contamination Impacts..... -12-

    Soil..... -12-

    Groundwater..... -13-

    Historic Concentration Trends..... -14-

Estimate of Remaining Contaminant Mass..... -15-

Risk Assessment..... -17-

    Chemical Identification..... -17-

    CoC Cleanup Goals..... -17-

    Light Non-Aqueous Phase Hydrocarbons (LNAPL's)..... -18-

    Potential Exposure Pathways..... -18-

    Sensitive Receptors..... -19-

Conclusions..... -20-

|  |      |
|--|------|
| <u>SITE SPECIFIC LOW-THREAT CLOSURE EVALUATION</u> . . . . . | -23- |
| Request for Case Closure. . . . .                            | -23- |
| General Criteria Requirements. . . . .                       | -23- |
| Media-Specific Criteria. . . . .                             | -25- |
| Groundwater. . . . .   | -25- |
| Vapor Intrusion to Indoor Air. . . . .                       | -28- |
| Direct Contact and Outdoor Air Exposure. . . . .             | -29- |
| Conclusions and Recommendations. . . . .                     | -30- |

Appendix A:

|           |   |
|-----------|---|
| Plate 1:  | Site Location Map   |
| Plate 2:  | Site Map  |
| Plate 3:  | Assessor Parcel Map   |
| Plate 4:  | Site Map with Exploratory Locations                             |
| Plate 5:  | Site Map with Traverse of Geologic Cross Sections A-A' and B-B' |
| Plate 6:  | Generalized Geologic Cross Section A-A'                         |
| Plate 7:  | Generalized Geologic Cross Section B-B'                         |
| Plate 8:  | 2015 Shallow Gradient Map                                       |
| Plate 9:  | TPH-G Contour with Radius of Impact                             |
| Plate 10: | DW-325 Location Map   |
| Plate 11: | 1990 Site Gradient with Former Domestic Wells                   |
| Plate 12: | Site Conceptual Model   |

Attachment B: Analytical Soil and Groundwater Summary Data Tables

Attachment C: Historic Concentration Trend Charts 1 through 12

Attachment D: Boring Logs

Attachment E: DW-325 Analytical Laboratory and QA/QC Report dated Feb 29, 2016

Distribution via e-mailed PDF:

Ms. Jo Bentz, NC-RWQCB, [jbentz@waterboards.ca.gov](mailto:jbentz@waterboards.ca.gov)

Mr. Jim Hulsman, [jhulsman1@frontier.com](mailto:jhulsman1@frontier.com)

Mr. Paul Hulsman, [phulsman@yahoo.com](mailto:phulsman@yahoo.com)

Uploaded to State Geotracker Database

## **INTRODUCTION**

The enclosed Site Evaluation for Case Closure Report (Report) has been prepared by Environmental Geology Services (EGS) for Hulsman Transportation, Mr. Jim Hulsman and Mr. Paul Hulsman, Client and Responsible Party (RP) for the site located at 325 Yolanda Avenue, Santa Rosa, CA (Plate 1, Site Location Map).

This Report has also been prepared in response to the directives of the North Coast Regional Water Quality Control Board (NC-RWQCB) in accordance with their letter dated October 5, 2015.

This Report includes and update to the site specific Site Conceptual Model (SCM), initially submitted in our June 2012 FSCAP. The SCM includes a comprehensive site history and background, regional and local geology and hydrology, discusses the extent of residual contaminant impacts and presents an estimate of remaining contaminant mass, and contains a risk assessment that includes sensitive receptors and potential exposure pathways.

This Report presents the tabulated site soil and groundwater data, presents historic concentration trends that display decreasing long term trends, provides historic groundwater gradient information, residual contaminant plume definition, discusses the comingling plumes between the subject site and adjacent site, and discusses current and future site and surrounding area use.

Finally, this Report compares the subject property's UST Investigation with the general criteria included in the State of California's Low-Threat Closure Policy (LTCP), as adopted in August 2012.

This Report has been submitted on behalf of Hulsman Transportation with the goal of achieving case closure for this site in accordance with the State's LTCP, in response to the NC-RWQCB October 5, 2015 letter.

The site specific Site Conceptual Model is presented in the following sections of this Report, followed by the Site LTCP Evaluation and request for case closure.

## **SITE CONCEPTUAL MODEL**

### **BACKGROUND**

#### **Site and Vicinity Description**

The site is located on the north side of Yolanda Avenue, approximately 300 feet east of Santa Rosa Avenue in the southern portion of Santa Rosa, California (Plate 1, Site Location Map, Appendix A). The site has been owned by the Hulsman family since the 1940's, and has been operated by Hulsman Transportation (RP). The primary building was constructed on the property in approximately 1947 (Plate 2, Site Map). The property consists of Sonoma County APN 044-071-002, which totals 5.46 +/- acres (Plate 3, APN Map).

The subject property is zoned as CG (General Commercial) by the City of Santa Rosa, and has been nearly developed by both The Home Depot and Lowe's stores over the past 10 years. The site is located in an area of Santa Rosa that is mixed use commercial and industrial. However, there are a few intermixed residences as well.

Of significance to area wide contamination, are the following sites that have current investigations related to leaking USTs or other contamination (e.g., solvents):

- Redwood Oil #141 (Bulk Plant) - 455 Yolanda Ave, located east of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR261).
- Malm Fireplaces, Inc. - 368 Yolanda Ave, located south of the site. Solvent Investigation (NC-RWQCB Case No. 1NSR354).
- Malm Metal, Yolanda Gas Spill - 2640 Santa Rosa Ave, located southwest of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR256).

In addition to the above stated active investigations, there are numerous investigations that have received case closure in the surrounding area including the following:

- Michael's Auto (McDonald's) - 2642 Santa Rosa Ave, located west of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR256).
- Auto Life Center - 2698A Santa Rosa Ave, located south of the site. Solvent Investigation (NC-RWQCB Case No. 1NSR256).

- Private Residence- 463 Yolanda Ave, located east of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR052).
- Hepper Spill - 2775 Santa Rosa Ave, located northwest of the site. Leaking UST Investigation (NC-RWQCB Case No. 1TSR099).

### **UST Removals**

- ▶ 500-gallon gasoline UST (*PRIMARY SOURCE*), removed in 1982 (current investigation focus, Plate 2)
- ▶ 4,000-gallon and 8,000-gallon diesel UST's, removed in 1988 (related case closed, Plate 2)
- ▶ 175 cubic yards of soil (*SECONDARY SOURCE*) over-excavated in the area of former 500-gallon UST - 1991

### **Previous Environmental Reports**

There have been numerous soil borings advanced and monitoring wells installed on the subject site. The results of which indicate that the residual contamination is limited to the south-southwest limits of the subject site, and has very slowly migrated in a southwestern direction beneath Yolanda Avenue.

Based on our review of the subject site, the following reports document activities that been completed to characterize residual contamination at the site to date:

- Herzog & Associates, *Report: Underground Tank Investigation*, February 27, 1989.
- Hilmer Consulting, Inc., *Report: Preliminary Environmental Assessment*, July 16, 1990.
- Sierra Environmental Sciences, *Report: Soil Remediation and Monitoring Well Installation*, June 8, 1992.
- Edd Clark & Associates, Inc., *Report: Soil and Groundwater Investigation*, November 2, 1998.
- Edd Clark & Associates, Inc., *Remedial Investigation*, August 2001.

- ECON, *Summary Report: Monitoring Well Installation and Groundwater Monitoring*, November 25, 2001.
- ECON, *Corrective Action Plan*, April 2, 2004.
- ECON, *Revised Corrective Action Plan*, August 16, 2004.
- ECON, *Summary Report: Groundwater Investigation and Well Installation*, March 14, 2005.
- ECON, *Corrective Action Plan*, April 3, 2008.
- ECON, groundwater monitoring reports documenting the November 2004, February 2005, November 2007, and March 2010 sampling events.
- EGS, *Corrective Action Plan*, June 26, 2012.
- EGS, *Bench Test Report*, April 23, 2013.
- EGS, groundwater monitoring reports documenting the October 2011, March and October 2012, March, June, and September 2014, and Mar/Apr 2015 sampling events.

A summary of analytical results for historic soil and groundwater samples collected at this site may be found attached to this Report as Tables 1 through 5 (Appendix B). These tables will be referred to throughout this Report.

### **Previous Investigations**

The current UST investigation of residual soil and groundwater contamination at this site is related to a former 500-gallon underground storage tank (UST) containing older, leaded gasoline which was removed from the site in September 1982 (Sierra, 1992). According to the property owner, the former 500-gallon UST was approximately 40-50 years old. There was no soil excavated during the time of the UST removal in 1982.

On December 18, 1991, Sierra Environmental Sciences (Sierra) completed a limited over-excavation of approximately 175 cubic yards (CY) of soil (Sierra, 1992). Four (4) sidewall samples collected from 12 feet bgs, and one bottom sample collected from 23 feet bgs, were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G) and the compounds comprising BTEX (benzene, toluene, ethyl-benzene, and xylenes). There were no

detections of compounds analyzed for in the soil samples collected from the sidewalls. There were detections of each analyte in the bottom soil sample as follows: TPH-G at a concentration of 15 mg/kg (or parts per million, ppm), benzene at 0.070 ppm, toluene at 0.23 ppm, ethyl-benzene at 0.084 ppm, and xylene at 0.36 ppm (Sierra, 1992; Table 5, Appendix B). The excavation was lined and backfilled with pea gravel.

Sierra installed MW-3 (Plate 4) located adjacent to the east of the UST excavation on January 27, 1992 to a depth of 39.5 feet bgs<sup>1</sup>, with a screen interval from 22 feet bgs to 39.5 feet bgs. As stated in the conclusions of Sierra's January 27, 1992 report, "Hydrocarbons as gasoline are present in the saturated soil samples and groundwater in the area below the former [UST]. Unsaturated soil samples analyzed from boring MW-3 did not contain hydrocarbons as gasoline." On January 30, 1992, Sierra collected groundwater samples from MW-3 which resulted in detections of TPH-G at a concentration of 13,000 ug/L (or parts per billion, ppb), benzene at 2,200 ppb, toluene at 200 ppb, ethyl-benzene at 650 ppb, and xylene at 1,100 ppb.

Two (2) UST's<sup>2</sup>, one 4,000-gallon and one 8,000-gallon, containing diesel fuel removed from the site in October 1988 (Herzog, 1989). On November 29, 1998, Herzog installed monitoring well MW-1 (Plate 4) to a depth of 46.5 feet bgs, with a screen from 24-46.5 feet bgs. soil sample was also collected from MW-1 at a depth of 15 feet bgs resulting in no detections for compounds analyzed (Table 5). On December 7, 1998, groundwater samples were collected from MW-1 with no detections of TPH-G or BTEX compounds. A

On April 27, 1990, Hilmer Consulting installed MW-2 near the former diesel UST's (Plate 4) with a screened interval from 25.3 feet bgs to 45.3 feet bgs. Soil samples were collected from depths of 21 and 31 feet bgs resulting in no detections of compounds analyzed for (Table 5). On June 8, 1990, groundwater samples were collected from MW-2 resulting in no detections of TPH-G or BTEX compounds.

In 1998, Edd Clark & Associates (ECA) implemented a soil and groundwater investigation on the subject site by advancing four (4) soil borings (HB-1, HB-2, HB-3, HB-4, Plate 4) to depths of twenty (20) feet bgs. There were no detections of TPH-G, BTEX compounds, or MTBE (methyl tert-Butyl ether) in the soil samples collected from the "HB" borings (ECA, 1998; Table 5, Appendix B). There were detections of TPH-G and BTEX compounds in

---

1

This screen interval extended from the base of the shallow aquifer through the clayey aquitard and into the deeper aquifer in the area of the former 500-gallon UST (Plates 6 and 7).

2

These UST's are NOT a part of the current investigation, but are noted here to provide accurate site history and areas of the site that have been explored.



the grab groundwater sample collected from boring HB-1 as follows, and as listed in Table 4 (Appendix B): TPH-G at a concentration of 6,400 ppb, benzene at 1,800 ppb, toluene at 22 ppb, ethyl-benzene at 300 ppb, and xylene at 43 ppb. With the exception of a very low detection of benzene at a concentration of 1.1 ppb in HB-2, there were no detections of TPH-G or BTEX compounds in borings HB-2, HB-3, and HB-4 (Table 4). There were also no detections of MTBE in any of the groundwater samples collected from the "HB" soil borings in 1998 (ECA, 1998).

In April 2001, ECON advanced two (2) additional soil borings (EB-1 and EB-2, Plate 4) to depths of approximately 20 feet bgs in the northwest direction from HB-1 and the former UST. Additionally, ECON installed monitoring well MW-4 adjacent to EB-1. Grab groundwater samples were collected from EB-1 and EB-2. There were no detections of compounds analyzed for including TPH-G, BTEX, and MTBE in groundwater samples collected from EB-1 (Table 4, Appendix B). With the exception of TPH-G detected at a concentration of 67.7 ppb, there were no detections of these compounds in EB-2 (Table 4). Soil and groundwater samples were collected at the time of MW-4 installation which resulted in no detections of compounds analyzed for (Tables 4 and 5, Appendix B).

On September 26, 2001, ECON completed a groundwater monitoring event of original site wells MW-1, MW-2, MW-3, and MW-4. Groundwater samples collected from MW-1, MW-2 (former diesel UST area) and MW-4 resulted in no detections of TPH-G, BTEX, and MTBE. However, TPH-G, BTEX, and MTBE were detected in MW-3 at concentrations of 3,000 ppb, 770 ppb, and 37 ppb, respectively.

ECON reported a northeast gradient during this sampling event. However, based on our review of the soil borings logs, it appears that with the exception of MW-4, the original wells (MW-1, MW-2, and MW-3) were installed in the second underlying aquifer at this site (greater than 35 feet bgs). Therefore, it is our opinion that the resulting northeast gradient direction was calculated using separate aquifers, and therefore not an accurate representation of the underlying, shallow seasonal aquifer.

In November 2004, ECON installed the existing groundwater monitoring wells MW-1s, MW-2s, MW-3s, and MW-3d at the subject site (Plate 4), which have since been sampled as part of ongoing groundwater monitoring. ECON also abandoned original well MW-3, and attempted to abandon original wells MW-1 and MW-2, but was unable to locate the wells (located in a gravel parking area).

## **Groundwater Monitoring**

Groundwater at the site was infrequently monitored since the time of the UST removal in 1982. ECON completed groundwater monitoring events of the current wells in November 2004, February 2005, November 2007, and March 2010 (Tables 1 through 4, Appendix B).

EGS was retained by Hulsman Transportation in July 2011. EGS has completed groundwater monitoring events in October 2011, March and October 2012, March, June, and September 2014, and Mar/Apr 2015. As part of EGS' groundwater monitoring, wells that had been associated with the adjacent Malm Metal UST Investigation (B-15, B-16, B-17, and B-27) have been incorporated into the Hulsman Transportation investigation based on the requirements of the NC-RWQCB (letter dated August 26, 2010).

EGS had planned to abandon monitoring well B-15 since it appeared to be destroyed. However, on April 13, 2012, EGS located the well casing, which had been capped. The Christy box was destroyed, but the well seal remained intact, and the well casing was not damaged. Therefore, EGS replaced the Christy box and the well is again functional and will be incorporated into the ongoing monitoring. EGS has not located well B-18, and it is our understanding that original site monitoring wells MW-1 and MW-2 (associated with the former diesel UST's on the site) have not been located and properly abandoned (although a geophysical survey has not been completed for B-18, or original wells MW-1 and MW-2).

## **Previous Corrective Action Plans**

ECON prepared the Corrective Action Plan dated April 2, 2004, with a revision dated August 16, 2004. Additionally, ECON prepared a separate Corrective Action Plan dated April 3, 2008.

The ECON CAP's were not accepted by the NC-RWQCB for a variety of reasons, and the letter dated August 26, 2010 submitted by the NC-RWQCB requested the Hulsman to prepare and submit an acceptable CAP for the site.

EGS completed the Corrective Action Plan dated June 26, 2012 that included a recommendation to implement an air sparging remedial system at the site. The CAP was approved by the NC-RWQCB in their July 2, 2013 letter.

## **REGIONAL AND SITE GEOLOGY / HYDROGEOLOGY**

### **Geologic and Hydrogeologic Setting**

The site topography is generally flat with a very gentle slope to the west. The nearest surface water body is Colgan Creek, which flows from east to west toward the Laguna de Santa Rosa, located approximately 2400 feet to the northeast (upgradient from the site), and also approximately 2600 feet to the west of the site.

The site is located near the southern limits of the City of Santa Rosa, which is located within the Santa Rosa Plain, a northwest trending structure. The GPS location of the former 500-gallon UST at the site is 38° 24' 47.88" N, 122° 42' 42.73" W at an elevation of 145 ft above M.S.L.

A series of northwest trending hills, locally as high as approximately 2000 ft M.S.L., are located adjacent to the east of the Santa Rosa Plain. These hills, a part of the Coast Range Province, are predominantly Cretaceous age Franciscan assemblage rocks and Sonoma Volcanics. Approximately 5.5 miles to the east from the site is the Rogers Creek Fault, an active fault zone part of the larger San Andreas Fault system.

The site is located on an alluvial plain that has been filled by the erosion of the hills to the east. The site area is mapped as being underlain by Holocene age Alluvium deposits consisting of non-indurated (non-cemented) fine grained sands, silts, and clays with locally coarser grained gravels. This Alluvium beneath the site area is likely underlain by the Sonoma Volcanics and Franciscan complex bedrock at depth.

The depositional environment of the alluvium would include a series of over bank flood deposits, down cutting and subsequent filling. In this kind of depositional environment, abrupt facies changes both laterally and vertically can be expected. The heterogeneity of the alluvium can result in variations in the depth to near surface unconfined seasonal aquifer and local variations in hydraulic conductivity.

A review of USGS-Water Supply Paper 1495, by F. Kunkel and J. E. Upson, ("Geology and Ground Water of the Napa and Sonoma Valleys, Napa and Sonoma Counties, California") indicates that the (deeper) Alluvium, which underlies the site area is an important water-bearing formation in the region because of its extent, high porosity and moderate transmissibility.

Groundwater contour mapping by Kunkel and Upson shows that the depth to productive water-bearing zones in the general area is shallow (30 to 50 ft) and that the regional

groundwater gradient is to the west. The heterogeneity of the alluvium can result in differences in groundwater gradient depending on the location, seasonal inflow from the hills to the east, and recharge from precipitation and nearby creeks. More site-specific information, based on subsurface exploration, is presented in following sections.

### **Local Geology and Cross-Sections**

We prepared two generalized geologic cross sections through the area of investigation as indicated on Plate 5. Both of these sections (A-A', Plate 6 and B-B', Plate 7) show that subsurface alluvium is heterogeneous with both vertical and lateral facies changes resulting from deposition and erosion of fluvial deposits of clays, silts, sands and gravels. There is a wide range of alluvial soil types varying from moderately expansive silty clay to clayey gravel to sandy gravel. Most of the materials encountered are somewhat dense, and those with significant clay and silt fractions do not produce free water readily.

The upper most soils consist of silty clay with fine grained sand and intermixed granular material, is typically dry-damp, and extends to a general depth ranging from as shallow as 5-feet bgs (MW-3s, MW-3d, HB-3, Plate 6) to as deep as 15-feet bgs (B-36D, B-29 on the adjacent site and B-27, Plates 6 and 7). This unit is underlain by the unconfined shallow groundwater aquifer<sup>3</sup> that contains residual petroleum hydrocarbon contamination. The shallow groundwater bearing unit varies in thickness laterally, from as thick as 20-feet to as thin as 8-feet, with the base of the aquifer located from 22 to 25-feet bgs. The shallow groundwater aquifer consists mainly of sandy gravel to clayey gravel, but grades to silty sand to the southwest (Plate 6).

Separating the shallow aquifer from the deeper aquifer is a lower transmissive aquitard containing silts and clays. The aquitard varies in thickness, but is generally encountered at a depth of approximately 24-feet bgs and extends to a depth of approximately 33-feet bgs (Plates and 7). The deeper groundwater aquifer<sup>4</sup> is generally located at a depth of 33 to 34-feet bgs. The deeper groundwater bearing unit is finer grained than the shallow aquifer, consisting of gravelly and silty sands with clay.

---

3

This unit has been referred to as the "A-sand" by other consultants. EGS will refer to this unit as the shallow aquifer for purposes of this investigation, but it should be noted that "A-sand" may be used interchangeably for this aquifer.

4

This unit has been referred to as the "B-sand" by other consultants. EGS will refer to this unit as the deeper aquifer for purposes of this investigation, but it should be noted that "B-sand" may be used interchangeably for this aquifer.

## **Transmissivity**

We reviewed the subsurface boring logs describing soil types and densities completed by multiple consultants related to the subject site and the adjacent site located at 2640 Santa Rosa Avenue (Malm Metal). From this review we estimate that the upper, surficial soils have a medium permeability with a low to medium transmissivity. The shallow groundwater aquifer, although it contains fine grained material (clay and silt), is relatively granular. We estimate the permeability of this unit to be higher, with a medium to high transmissivity. The clayey aquitard separating the shallow and deeper groundwater aquifers is fine grained and stiff. Although porosity may be high in this unit, its transmissivity is estimated to be very low. The deeper aquifer also consists of granular material that likely has higher permeability with medium to high transmissivity.

## **Depth to Groundwater**

Our review of boring logs and monitoring well logs indicate that groundwater beneath the project site and offsite area to the east to southwest varied from 5 to 18 feet during the time of drilling. During the most recent monitoring event conducted in March/April 2015, it was determined that stabilized depth to groundwater (DTW) beneath the subject site ranged from 6.68 ft bgs (B-27) to 10.99 ft bgs (MW-2s).

Depth to water appears to become shallower to the southwest toward the adjacent site. EGS included the 2012 (pre-drought) DTW measurements and static potentiometric surface on the attached geologic cross sections (Plates 6 and 7). The historic DTW measurements are also included on Tables 1 through 4 attached to this report.

## **Groundwater Gradient**

The historical groundwater gradient appears to be in general southeast to southwest direction, although it varies significantly, and historically has been to the north-northwest in the area of the subject site and the site to the southwest (2640 Santa Rosa Avenue). ECON reported a northeast gradient during their September 26, 2001 sampling event. Additionally, Levine-Fricke (previous Malm Metal consultant) reported an east-northeast gradient during groundwater monitoring events completed during the 1980's to early 1990's (Refer to Plate 11).

Based on our review of the monitoring well soil boring logs (Appendix D), it appears that with the exception of MW-4, original on site wells MW-1, MW-2, and MW-3 (Plate 4) were installed into the second underlying aquifer at this site (Plate 6), and original monitoring well MW-3's well screen extended across both the shallow and deeper aquifers (Plate 6).

Therefore, it is our opinion that the resulting September 2001 northeast gradient direction was calculated using both aquifers, and therefore not an accurate representation of the shallow groundwater gradient beneath the subject site.

Based on our review of historic groundwater gradient information related to the adjacent site at 2640 Santa Rosa Avenue (Malm Metal), the groundwater gradient was initially measured as being to the east-northeast at that site as well as indicated in a NC-RWQCB inter-office communication document dated August 17, 1990 to S.A. Warner from D.L. Salisbury (available upon request) and based on site data produced by Levine-Fricke (Plate 11). This data was prior to implementation of groundwater extraction remediation at that site, after it was discovered that gasoline contamination, consistent with that of the Malm Metal site, had impacted a former nearby well at 316 Yolanda Avenue (well W-4, attached Plates).

As part of coordinated groundwater monitoring efforts completed by EGS and ECA, monitoring well data from the subject site and the adjacent site (2640 Santa Rosa Ave) was incorporated to determine the local groundwater gradient over the entire area for both sites and determined variable groundwater gradient results.

During the September 2014 coordinated event, EGS determined a variable shallow groundwater gradient that appeared to have a potentiometric high point around monitoring wells B-25, B-27 and B-28. Groundwater appears to flow away from these high points in a northeast to southwest direction, with B-28 being the high point.

Based on our review of historic monitoring reports prepared by ECON (subject site) and ECA (adjacent site) it appears that there is an ongoing hydraulic variability located between the sites in the area of B-28, which is also the general separation of the co-mingled residual contaminant plumes (Plate 9). Farther west of monitoring well B-28, the groundwater gradient becomes more uniformly to the southwest (although as previously stated, the gradient direction has fluctuated on that site and had been east-northeast during the 1980's and early 1990's).

However, from the historic gradient data and that of the September 2014 monitoring event, the wells to the east and north of monitoring well B-28 do not exhibit a clear indication of a southwest groundwater gradient, but a more variable gradient to the northeast to southeast.

EGS included the shallow groundwater gradient constructed from data in March/April 2015 which indicates a south-southeast groundwater gradient (Plate 8). The deeper groundwater gradient appears to be generally consistent to the southwest over time.

## **CONTAMINANTS OF CONCERN (COC'S)**

Due to the age of the former gasoline UST at this site (1940's), it is unlikely that this site is a source for the fuel oxygenate MTBE. The State Underground Storage Tank Cleanup Fund (USTCF) concurred with this understanding in their 5-year Review dated July 22, 2008.

There are infrequent, low detections of MTBE in groundwater samples at this site, and the source is likely derived from some off site location or from surface water runoff percolating this compound from automobiles along Yolanda Avenue. For purposes of this SCM and the UST Investigation, the contaminants of concern (CoC's) at this site, based on the site history of an older UST, are as follows:

- ▶ Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- ▶ BTEX compounds (benzene, toluene, ethyl-benzene, xylene)

## **EXTENT OF RESIDUAL CONTAMINATION IMPACTS**

### **Soil**

It is noteworthy that all of the soil samples collected from this site during the historic subsurface exploration have resulted in no detections of the subject site's CoC's (TPH-G and BTEX) to a depth of approximately 23 feet bgs (Table 5, Appendix B). The area of the site where there have been detections of CoC's in soil has been limited to the area of the former 500-gallon UST location from saturated soil samples collected from the excavation pit sample at 23 feet bgs (Sierra, 1992), from the boring for MW-3 (Sierra, 1992) and in the boring for MW-3s at 25.5 feet bgs (ECON, 2004).

TPH-G - The highest concentration of TPH-G detected in soil was during Sierra Environmental's 1991 additional soil over-excavation. The soil sample was collected from the bottom of the excavation pit (23 feet bgs), and resulted in a concentration of TPH-G at 15 ppm (Table 5).

BTEX - The highest concentrations of BTEX compounds detected in soil was during the additional soil over-excavation performed by Sierra Environmental in 1991. The soil sample was collected from the bottom of the excavation pit (23 feet bgs), and resulted in concentrations of benzene at 0.070 ppm, toluene at 0.23 ppm, ethyl-benzene at 0.84 ppm, and xylenes at 0.36 ppm (Table 5).

## **Groundwater**

It appears that the residual contamination mainly resides in the *shallow groundwater* at this site, and that is therefore the media of concern for this SCM.

TPH-G, shallow aquifer - The highest detection of TPH-G in groundwater collected from the on site monitoring wells to date for this site was from MW-3s during the November 2007 groundwater monitoring event performed by ECON, and resulted in a concentration of 23,000 ppb (Table 1). However, the highest concentration of TPH-G likely related to this site to date is from monitoring well B-27 at a concentration of 67,000 ppb during the September 2001 sampling event performed by ECA (Table 4).

The current highest concentration of TPH-G detected at this site was from MW-3s at a concentration of 6300 ppb, resulting from groundwater samples collected by EGS in March 2015. EGS prepared a residual concentration contour map for TPH-G presented as Plate 9 of this Report presenting the most recent analytical results from the March/April 2015 groundwater monitoring at the subject site. We have also included the shallow TPH-G data from the Malm Metal site from the September 2014 coordinated event, which is the most recent data for that site. The highest detections of TPH-G resulting from the Malm Metal site in September 2014 were from wells DPE-1 and B-30 at concentrations of 22,000 ppb and 10,000 ppb, respectively (Plate 9).

Monitoring well B-16, which separates the highest residual concentrations of TPH-G at the Hulsman Transportation site (MW-3s) from the highest residual concentration of residual TPH-G at the Malm Metal site (DPE-1) resulted in a concentration of 1800 ppb during the Mar/Apr 2015 monitoring event. This result, as well as previous analytical results from this well, continues to clearly indicate a separation of residual contaminant plumes in the upper shallow groundwater zone. Further, monitoring well B-28 related to the Malm Metal site which is the area of the hydraulic high point separating the two sites, continues to result in no detections of compounds analyzed for as of September 2014 (Plate 9).

TPH-G, deeper aquifer - The highest detection of TPH-G in deeper groundwater to date for this site is from the groundwater sample collected at MW-3d during the February 2005 groundwater monitoring event performed by ECON, and resulted in a concentration of 1,800 ppb. The most recent concentration of TPH-G in deeper groundwater collected by EGS from MW-3d during the Mar/Apr 2015 event was 200 ppb (Table 2).

BTEX, shallow aquifer - The highest concentrations of BTEX compounds detected in groundwater from the on site groundwater wells to date for this site are as follows:



|                 |                                       |
|-----------------|---------------------------------------|
| Benzene -       | 1,700 ppb from MW-3s (February 2005)  |
| Toluene -       | 290 ppb from MW-3s (February 2005)    |
| Ethyl-benzene - | 4,700 ppb from MW-3s (February 2005)  |
| Xylenes -       | 13,000 ppb from MW-3s (February 2005) |

The current concentrations of BTEX compounds detected in groundwater from the recently sampled groundwater wells in March/April 2015 for this site are as follows:

|                 |                    |
|-----------------|--------------------|
| Benzene -       | 250 ppb from B-27  |
| Toluene -       | 16 ppb from MW-3s  |
| Ethyl-benzene - | 470 ppb from B-27  |
| Xylenes -       | 333 ppb from MW-3s |

BTEX, deeper aquifer - The highest concentrations of BTEX compounds detected in groundwater from the on site deeper groundwater well (MW-3d) to date for this site are as follows:

|                 |                         |
|-----------------|-------------------------|
| Benzene -       | 370 ppb (February 2005) |
| Toluene -       | 14 ppb (February 2005)  |
| Ethyl-benzene - | 40 ppb (February 2005)  |
| Xylenes -       | 8.8 ppb (November 2004) |

There are currently no detections of BTEX in MW-3d, based on the groundwater samples collected by EGS in March/April 2015.

### **Historic Concentration Trends**

EGS has constructed historic concentration trend charts for TPH-G and Benzene in monitoring wells MW-3s, MW-3d, B-15, B-16, B-17 and B-27. The site specific historic concentration trend charts are attached to this Report as Historic Concentration Trend Charts 1 through 12 in Appendix C.

Based on the analytical data collected at this site, the historic concentration trends for TPH-G and benzene continue to be decreasing over the long term at this site in each well. This is an indication that residual contaminants are degrading over time by natural bioattenuation processes, and will continue to do so.

**ESTIMATE OF REMAINING CONTAMINANT MASS**

This section presents two estimates of contaminant mass. The first contaminant mass estimate is based on the *highest concentrations* of TPH-G and Benzene historically detected at this site (67,000 ppb and 1,700 ppb, respectively) from 2001 through 2015. The second contaminant mass estimate is based on the *most recent concentrations* of TPH-G and Benzene detected in samples collected in March/April 2015 from monitoring wells MW-3s and B-27 (6,300 ppb and 250 ppb, respectively).

We estimate a generalized contaminant radius of approximately 75 feet in the area of the former 500-gallon UST to represent the residual “hot spot” at the site. The generalized contaminant radius is based on the most recent analytical results from groundwater samples collected in March/April 2015. The current TPH-G concentration contour map, which includes the generalized contaminant radius, is presented on Plate 9 (concentrations of Benzene detected follows a similar contour).

The subsurface soils are composed mainly of silty and clayey sand and gravel aquifers with a separating layer (aquitard) of silty clay (Refer to the attached Geologic Cross-Sections, Plates 6 and 7). Silt and clay have soil porosities that range from 0.35 to 0.70, and sand and gravel may have porosities that range from 0.25 to 0.50. Therefore, based on the soil types being composed of an unconsolidated, inter-fingered mixture of these soil types, we assumed the soil porosity to be an average of approximately 0.40, or 40%. For the purposes of the following contaminant mass calculations, we assume that all the pore space is saturated, which provides the *most conservative* contaminant mass estimate.

We used a thickness of twenty-five (25) feet bgs which represents the maximum depth of the shallow groundwater aquifer, also a conservative assumption.

The estimates of contaminant mass for this site is presented as follows.

- ▶ The *highest* known contaminant mass estimate (based on 67,000 ppb detected in B-27 in September 2001) for TPH-G in the area of the former 500-gallon UST is calculated to be:

| Compound (2004) | Est. Plume Radius, ft | Π    | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - Sept 2001 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|--------------------------------|--------------|--------------|
| <b>TPH-G</b>    | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.0E+06  | 6.7E+04                        | 3.35E+11     | <b>335</b>   |

The *highest* Estimated Contaminant Mass for TPH-G within the localized “hot spot” at this site is estimated to be **335 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *highest* known contaminant mass estimate (based on 1,700 ppb detected in MW-3s in February 2005) for Benzene in the area of the former 500-gallon UST is calculated as follows:

| Compound (2007) | Est. Plume Radius, ft | II   | Thickness ft | Vol ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - Feb 2005 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|---------------------|----------|----------------------------------|----------|-------------------------------|--------------|--------------|
| <b>Benzene</b>  | 75.00                 | 3.14 | 25.00        | 4.42E+05            | 0.40     | 1.77E+05                         | 5.0E+06  | 1.7E+03                       | 8.5E+09      | <b>8.5</b>   |

The *highest* Estimated Contaminant Mass for Benzene within the localized “hot spot” at this site is estimated to be **8.5 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *current* contaminant mass estimate (based on 6,300 ppb detected in MW-3s in March/April 2015) for TPH-G in the area of the former 500-gallon UST is calculated to be:

| Compound (2011) | Est. Plume Radius, ft | II   | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - March 2012 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|---------------------------------|--------------|--------------|
| <b>TPH-G</b>    | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.0E+06  | 6.3E+03                         | 3.15E+10     | <b>31.51</b> |

The *current* Estimated Contaminant Mass for TPH-G within the localized “hot spot” at this site is estimated to be **31.51 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

- ▶ The *current* contaminant mass estimate (based on 250 ppb detected in MW-3s in March 2012) for Benzene in the area of the former 500-gallon UST is calculated as follows:

| Compound (2011) | Est. Plume Radius, ft | II   | Thickness ft | Volume ft <sup>3</sup> | Porosity | Est. Pore Space, ft <sup>3</sup> | Volume L | Concentration µg/L - July 2011 | Est. Mass µg | Est. Mass kg |
|-----------------|-----------------------|------|--------------|------------------------|----------|----------------------------------|----------|--------------------------------|--------------|--------------|
| <b>Benzene</b>  | 75.00                 | 3.14 | 25.00        | 4.42E+05               | 0.40     | 1.77E+05                         | 5.1E+06  | 2.6E+02                        | 1.25E+09     | <b>1.25</b>  |

The *current* Estimated Contaminant Mass for Benzene within the localized “hot spot” at this site is estimated to be **1.25 kg** within a 4.42E+05 ft<sup>3</sup> volume of soil.

Based on the preceding Estimates of Contaminant Mass, TPH-G has decreased by a total of 303.49 kg, or a reduction of approximately 90.59%. Benzene has decreased by a total 7.25 kg, or a reduction of approximately 85.29%. The decreases in concentrations have been mostly from natural processes including biodegradation and dispersion of these residual contaminants, although the minimal air sparging remediation implemented showed that residual contaminants would be degrade much more quickly if operation continued.

## **RISK ASSESSMENT**

### **Chemical Identification**

The chemicals at the site that pose a potential risk to human health and the environment are those associated with gasoline. A petroleum distillate, gasoline is a complex mixture of hydrocarbons in the range of C4 to C12. Gasoline is a transparent liquid with a distinct odor, and a boiling point of 121 °C, a density of 0.71-0.77 g/cm<sup>3</sup>, and is not soluble in water, although many of its components are. Gasoline contains a mixture of substances that are listed as toxic pollutants pursuant to 40 CFR 122.21, Appendix B, Tables II/III/IV, and known to the State of California to cause cancer, birth defects, and other reproductive harm, especially benzene.

Benzene is considered the most toxic/carcinogenic component of gasoline, and of the BTEX compounds. Benzene is a colorless liquid with a boiling point of 80.1 °C, a density of 0.877 g/mL, and a solubility in water of 1.8 g/L.

The gasoline oxygenate, MTBE has been detected at this site, and although not considered CoC for purposes of this Report (and as indicated by the USTCF in their 5-year review dated July 21, 2008), it is mentioned in this section since it has been detected at this site. Methyl tertiary-butyl ether (methyl t-butyl ether, MTBE) is a colorless liquid with a boiling point of 55 °C, a density of 0.74 g/mL, and a solubility in water of 26 g/L.

### **CoC LTCP Cleanup Objectives**

For purposes of this evaluation, EGS will use the objectives set forth in the Low-Threat Closure Policy (LTCP) for benzene and MTBE. The LTCP does not include a cleanup objective for TPH-G. These goals are subject to review and approval by the NC-RWQCB since the LTCP provides language for site specific regulator determination.

The following are the LTCP groundwater objectives for the CoC's for this site:

- ▶ Benzene = 3000 ppb
- ▶ MTBE = 1000 ppb

EGS will incorporate the above LTCP objectives into this Report for purposes of case closure consideration by the NC-RWQCB.

## **Light Non-aqueous Phase Hydrocarbons**

Light non-aqueous phase liquid (LNAPL) has never been observed / recorded in the site UST investigation. The residual contaminant present is older, dissolved and weathered gasoline.

## **Potential Exposure Pathways**

Buildings/Ground Surface: The chemicals of concern are located greater than 20 feet below the ground surface and covered by buildings, concrete and asphaltic pavements, although some portions of the subject site are covered with compacted gravel parking areas. The surrounding area is covered with asphaltic hard scape, with limited landscaped areas. Thus there is no apparent exposure pathway through buildings or the ground surface. If/when the site is redeveloped, the residual contaminant plume is located on the southern margin of the subject parcel and extends beneath Yolanda Avenue. It is unlikely that future building development will be located in the area of the residual contaminant plume.

Underground Utilities/Services and Worker Safety: There are numerous utility lines beneath Yolanda Avenue including electric, water, sewer, gas, and telephone. The surrounding area is connected to and receives water supply from the City of Santa Rosa. The residual contamination is located in soils greater than 20 feet below the ground surface. Therefore the potential of residual contamination migrating via utility pathways is deemed to be nil. Additionally, the potential for worker safety to be adversely impacted from the residual groundwater plume related to this site during redevelopment, street work and utility work, which occurs in soils less the 10 feet in depth, is deemed to be nil since all shallow soil samples less than 20 feet bgs have not resulted in detections of gasoline related compounds.

Surface Water and Groundwater: The chemicals of concern are in deeper soil (>20 feet bgs) and shallow groundwater. The groundwater gradient is variable from southeast-southwest, with some localized northeastern variability. The nearest surface water body (Colgan Creek) is located up gradient from the site approximately 3,000 feet to the northeast. There is one water supply well located within 250 feet of the residual contaminant plume. This well (DW-325) is located on the subject site, approximately 217 feet northeast (upgradient) from monitoring well MW-3s. This well was sampled in April 1989, May 1990, October 2011, and for purposes of this Report on February 29, 2016. There have been no detections of compounds related to gasoline in the on site domestic water supply well (Table 4). Refer to the attached Analytical Sciences Laboratory and QA/QC Report dated February 29, 2016 for recent results of groundwater samples collected from DW-325 (Appendix E).

Outdoor Exposure, Indoor Air and Vapor Intrusion: There has not been a vapor intrusion investigation at this site, and we believe that it is not warranted. There have been numerous soil borings and excavation soil samples collected in soils up to a depth of 20 feet bgs resulting in *no detections of compounds analyzed for*. Additionally, the USTCF included in their September 2014 5-year review for the site the following statements as it relates to Vapor Intrusion to Indoor Air:

“This case meets Policy Criterion 2b. A professional assessment of site specific risk from exposure through the vapor intrusion pathway was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health.”

The USTCF also included in their September 2014 5-year review for the site the following statements as it relates to Direct Contact and Outdoor Air Exposure:

“This case meets Policy Criterion 3b. A professional assessment of site specific risk from exposure through the direct exposure pathway was performed by Fund staff. The assessment of site specific risk from potential exposure to residual soil contamination found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health.”

The Site Conceptual Model exposure pathways are presented on Plate 12 of this Report.

### **Sensitive Receptors**

EGS did not locate a completed Sensitive Receptor Survey for this site. However, based on our initial conversations with Joan Fleck, NC-RWQCB, it was suggested that we confer with the adjacent site consultant and incorporate the findings of a completed Sensitive Receptor Survey for the Malm Metal site rather than spending additional funds to complete a SRS for the subject site.

Therefore, we consulted with the ECA, the consultant for the adjacent site (2640 Santa Rosa Ave) to determine if domestic water supply wells are located in the area. Based on our consultation, ECA had identified seven (7) water supply wells in the area of the investigation sites. A summary of information available regarding these wells follows:

- Well W-1: 2690 Santa Rosa Avenue (former Lyle’s Tackle Shop), had been out of service since 1987, *abandoned in 2000*. This well was inaccurately referred to in the USTCF September 2014 5-year review. This well location is shown on Plate 11.

- Well W-2: Interior of the Malm Metal building (2642 Santa Rosa Avenue), had been out of service since 1988 and *abandoned in 2000*. This well location is shown on Plate 11.
- Well W-3: 302 Yolanda Avenue, had been out of service since 1978, *abandoned in 2000*. This well location is shown on Plate 11.
- Well W-4: 316 Yolanda Avenue, replaced by Well W-7 in 1983 due to contamination impacts, and *abandoned in 2005*. This well location is shown on Plate 11.
- Well W-5: 2696 Santa Rosa Avenue, *abandoned in 2000*.
- Well W-6: 2698 A Santa Rosa Avenue, *abandoned in 2000*.
- Well W-7: 316 Yolanda Avenue, installed in 1983 replacing W-4 and used until 1997. Depth 170 feet bgs, screen interval from 90 - 170 feet bgs, contains 65 foot seal from ground surface, *abandoned in 2005*.

There is also a domestic water supply well located at the subject site address of 325 Yolanda Avenue (DW-325, attached Plates). Samples were collected from this well in 1989 and 1990, and EGS collected water samples from this well in October 2011 and for purposes of this Report on February 29, 2016, all of which resulted in no detections of CoC's (Table 4).

The on site water supply well is located approximately 217 feet northeast of monitoring well MW-3s, in an upgradient position from the minimal residual contaminant plume (Plate 10). This well is not being used for drinking water. Future site use as part of redevelopment is unknown at this time. However, it is likely that this well would be abandoned as part of a new development at this site.

The City of Santa Rosa services this area with city water and sewer. The nearest surface water body is Colgan Creek, which flows from east to west toward the Laguna de Santa Rosa, located approximately 2400 feet to the northeast (upgradient from the site), and 2600 feet to the west.

There are no hospitals, schools, or day-care centers within ½ mile of the site, and there are no residences that use water supplied from a well near the residual contaminant plume.

## **CONCLUSIONS**

Based on our evaluation of information collected to date from our investigation of this site we have formulated the following conclusions:

- Our review of the site history, previous investigations, analysis of soil and groundwater samples, and ongoing monitoring of the subject site and the adjacent site to the southwest (2640 Santa Rosa Avenue), concludes that residual petroleum hydrocarbon contamination remains in shallow groundwater near the area of the former UST in a localized, diminishing plume primarily located beneath a street.
- Residual petroleum hydrocarbon contamination remaining at this site is primarily located in the shallow groundwater aquifer. The localized residual contamination is related to the former 500-gallon UST that had been located near the southwest corner of the site building (Plates 2 and 4). The former UST was removed in 1982, and was approximately 40-50 years old.
- The area of groundwater impacted by TPH-G and benzene is relatively small (Plate 9), and is less than 200 feet in length. The minimal residual plume is localized from the area of the former 500-gallon UST and well MW-3s, and extends approximately 150 to 200 feet to the west-southwest beyond well B-15 and near well B-16, where it likely then co-mingles with the adjacent residual contaminant plume that is higher in concentrations, as depicted on attached Plate 9.
- The shallow groundwater residual contamination plume appears to be separate from the plume located at 2640 Santa Rosa Avenue, although some co-mingling may occur beneath Yolanda Avenue between monitoring well B-15 of the subject site, and the adjacent well DPE-1 (Plate 9). Monitoring wells B-16 and B-28 (Plate 9) appear to represent the area where the separate plumes show some separation based on the low to non detect analytical results in these wells.
- Natural attenuation has resulted in notable decreases in concentrations of CoC's for this site since the tank removal and investigation began in 1982 evident by the construction of Historic Concentration Trend Charts 1 through 12 (Appendix C, as well as our estimates of remaining contaminant mass calculations. Charts 1 through 12 present decreasing trends over the long term, in all site monitoring well for TPH-G and benzene.
- Based on our review of the subsurface lithology during the construction of the attached geologic cross sections (Plates 6 and 7), it appears that a laterally continuous stiff, silty clay aquitard exists at depths from approximately 24-feet bgs



to approximately 33-feet bgs, although the thickness is variable. It is our opinion that this lithologic unit has minimized cross contamination of TPH-G and BTEX compounds to the deeper groundwater bearing zone.

- There were no detections of TPH-G or BTEX during the March 2012 monitoring event from deeper well MW-3d related to the subject site, and the current concentration (Mar/Apr 2015) of TPH-G and benzene in MW-3d is 200 ppb and ND<1.0 ppb, respectively. Additionally, there were no detections from groundwater samples during installation and from multiple sampling events of monitoring wells MW-1 and MW-2 (installed related to the former diesel UST's). These monitoring wells were installed into the deeper aquifer (Plate 6). It is our opinion that the data from MW-1 and MW-2 defines the deeper aquifer in the up gradient direction from the current on site deeper well MW-3d.
- Additionally, the adjacent site has routinely monitored deeper groundwater from three (3) wells (B-35D, B-36D, and B-37D, Plate 4), each of which are in the down gradient direction from MW-3d. During the most recent groundwater monitoring in September 2014, the only deeper monitoring well with a detection of residual contamination was B-37D (TPH-G at 71 ppb, ND for BTEX). It is our opinion that the deeper groundwater has been defined in the down gradient direction from MW-3d using the adjacent well data.
- Based on our review of historical soil data at this site, as presented in Table 5 (Appendix B), there have been no detection of gasoline related compounds in any soil sample collected in the upper 20 feet beneath this site. The only soils that contain detections of gasoline related compounds are saturated soils, within the shallow groundwater aquifer at depths greater than 20 feet bgs.
- The only domestic water supply well located within 250 feet of the former UST is located on site, approximately 217 feet up gradient from the highest concentration remaining in shallow groundwater (Plate 10). This well (DW-325) has been sampled in 1989 and 1990, and again by EGS in October 2011 and February 2016 and has not resulted in detections of gasoline related constituents.
- Questions remaining regarding the presence of a domestic water supply well located at 316 Yolanda Avenue was resolved when Ms. Jo Bentz inquired with the Sonoma County PRMD, who provided a copies of well abandonment completion for two wells (W-4 and W-7) at that site.
- It is our opinion, based on this SCM and our site review, that this site is a candidate for case closure in accordance with the LTCP as follows.

## **SITE SPECIFIC LOW-THREAT CLOSURE EVALUATION**

### **REQUEST FOR CLOSURE**

The California State Water Resources Control Board (SWRCB) adopted the Low-Threat Closure Policy (LTCP) for UST sites on August 17, 2012. The purpose of the LTCP is to establish consistent statewide case closure criteria for low-threat petroleum UST sites, with the intent of increasing UST cleanup process efficiency. A benefit of improved efficiency is the preservation of limited resources for mitigation of releases posing the greatest threat to human and environmental health.

The LTCP states that sites that meet the general and media-specific criteria described in the LTCP do not pose a threat to human health, safety, or the environment and are appropriate for UST case closure pursuant to Health and Safety Code section 25296.10. The LTCP states that cases that meet the criteria in the LTCP do not require further corrective action and shall be issued a uniform closure letter consistent with Health and Safety Code section 25296.10, if the site is determined to be low threat based upon a site-specific analysis.

### **GENERAL CRITERIA REQUIREMENTS**

The general criteria requirements that must be satisfied by candidate sites are listed as follows. EGS has presented rationale following each criteria as to why the subject site meets the criteria.

- a. The unauthorized release is located within the service area of a public water system.

Satisfied: The site and surrounding area properties are served by the municipal water supply from the City of Santa Rosa.

- b. The unauthorized release consists only of petroleum.

Satisfied: The site's unauthorized release has been characterized as consisting of older, weathered gasoline related constituents TPH-G and BTEX from a former 500-gallon UST removed in 1982.

- c. The unauthorized ("primary") release from the UST system has been stopped.

Satisfied: In September 1982, a 500-gallon gasoline UST was removed from the subject site. A UST investigation was initiated, and ongoing monitoring indicates

that no additional releases have occurred. Therefore, the site's primary release has been stopped.

d. Free product has been removed to the maximum extent practicable.

Satisfied: LNAPL has not been observed at this site during the course of the UST investigation.

e. A conceptual site model has been developed.

Satisfied: EGS included a SCM in our June 2012 FSCAP; this report also contains an update to the SCM.

f. Secondary source removal has been addressed.

Satisfied: In 1991, approximately 175 cy of soil was excavated and removed from the former 500-gallon UST area to a depth of 23 feet bgs. Residual petroleum hydrocarbon concentration soil does not warrant further secondary source removal since there have been no detections of gasoline related constituents in soils less than 20 feet in depth. Additionally, EGS installed and operated an air-sparging system to treat the residual groundwater impacts with favorable results during the time of operation.

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code section 25296.15.

Satisfied: Soil and groundwater samples have been tested for MTBE. The results of the analytical testing have been made available and reported to the NC-RWQCB, per California Health and Safety Code 25296.15.

h. Nuisance as defined by Water Code section 13050 does not exist at the site.

Satisfied: Conditions satisfying the definition of a nuisance as defined in Water Code section 13050 do not exist at the site.

## **MEDIA-SPECIFIC CRITERIA**

Media-specific criteria are related to the most common exposure scenarios, which in the policy have been combined into three media-specific criteria related to:

1. Groundwater
2. Vapor Intrusion to Indoor Air
3. Direct Contact and Outdoor Air Exposure

### **Groundwater**

It is a fundamental tenet of the LTCP that if the closure criteria described in the policy are satisfied at a petroleum unauthorized release site, applicable water quality objectives (WQO's) will be attained through natural attenuation within a reasonable amount of time, prior to the need for use of any affected groundwater. If a site has groundwater with a designated beneficial use which is affected by an unauthorized release, to satisfy the media-specific criteria for groundwater stated in the LTCP, the contaminant plume that exceeds WQO's must be stable or decreasing in areal extent (*Satisfied*), and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

The five classes of sites are stated in the policy as follows:

1.
  - a. The contaminant plume that exceeds WQO's is less than 100 feet in length.
  - b. There is no free product.
  - c. The nearest existing water supply well and/or surface water body is greater than 250 feet from the defined plume boundary.

-This class is not met since the contaminant plume is greater than 100 feet and a water supply well is located within 250 feet of the defined plume boundary

2.
  - a. The contaminant plume that exceeds WQO's is less than 250 feet in length.
  - b. There is no free product
  - c. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - d. The dissolved concentration of benzene is less than 3,000 µg/L and the dissolved concentration of MTBE is less than 1,000 µg/L.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary

3.
  - a. The contaminant plume that exceeds WQO's is less than 250 feet in length.
  - b. Free product may be present below the site but does not extend off-site.
  - c. The plume has been stable or decreasing for a minimum of 5 years.
  - d. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - e. The property owner is willing to accept a deed restriction if the regulatory agency requires a deed restriction as a condition of closure.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary

4.
  - a. The contaminant plume that exceeds WQO's is less than 1,000 feet in length.
  - b. There is no free product
  - c. The nearest existing water supply well and/or surface water body is greater than 1,000 feet from the defined plume boundary.
  - d. The dissolved concentration of benzene is less than 1,000 µg/L and the dissolved concentration of MTBE is less than 1,000 µg/L.

-This class is not met since a water supply well is located within 250 feet of the defined plume boundary

5.
  - a. An analysis of site specific conditions determines that the site under current and reasonable anticipated near-term future scenarios poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.

Satisfied: The site satisfies Class 5 in that under current and reasonable anticipated future scenarios poses a low threat to human health and the environment for the following reasons:

- ◆ The residual contamination plume is characterized, is minimal and degrading over time, approximately 150-200 feet in length, primarily located at the southern margin of the property and beneath an asphaltic paved road (Yolanda Ave) that will be widened in the near future, therefore further encapsulating the residual contamination beneath an asphalt cap, away from existing and future buildings.
- ◆ Primary and secondary sources have been removed, and LNAPL's have never been present.

- ◆ Historic concentration trend analysis indicates decreasing trends over the long term for site COC's in all wells.
- ◆ No residual contamination has been detected in soils less than 20 feet in depth, thereby minimizing the potential for vapor intrusion, direct contact, outdoor air exposures, and with respect to protecting worker safety.
- ◆ A domestic water supply well is located on the subject site, approximately 217 feet up gradient, is not used for drinking water, and has always resulted in no detections when sampled (1898, 1990, 2011, Feb 2016). This is the primary reason why the site does not satisfy the preceding classes 2, 3, and 4. Future development scenarios likely do not include this well and it would be abandoned. Additionally, The property owner is willing to accept a deed restriction if the regulatory agency requires a deed restriction as a condition of closure that would include a requirement to abandon this well as part of near future site redevelopment. There are no other groundwater wells located within 1000 feet of the subject site.
- ◆ The residual contaminant plume will not likely have future building development overlying it since its location is on the southern margin of the parcel, extending beneath the street. This area will likely be used for roads, driveways and parking.
- ◆ The nearest surface water is a seasonal creek located 2400 feet northeast (upgradient) and 2600 feet west of the site.
- ◆ There are no hospitals, schools, day-care centers or other sensitive land uses within ½ mile of the site.
- ◆ There are no residences using well water near the subject site, the surrounding area is provided municipal water service and is mostly commercial land use.
- ◆ Questions no longer remain regarding the presence of a domestic water supply well located at 316 Yolanda Avenue (down gradient) since the Sonoma County PRMD provided copies of well abandonment completion for two wells (W-4 and W-7) at that location.
- ◆ Deeper groundwater impacts are minimal, with no detections of BTEX compounds, and very low (71-200 ppb) of TPH-G.

### **Vapor Intrusion to Indoor Air**

This LTCP describes conditions, including bioattenuation zones, which if met will assure that exposure to petroleum vapors in indoor air will not pose unacceptable health risks. Petroleum release sites shall satisfy the media-specific criteria for petroleum vapor intrusion to indoor air and be considered low-threat for the vapor-intrusion-to-indoor-air pathway if:

- a. Site-specific conditions at the release site satisfy all of the characteristics and criteria of scenarios 1 through 3 as applicable, or all of the characteristics and criteria of scenario 4 as applicable; or

*Satisfied:* The residual petroleum contaminant consists of older, weathered gasoline, and there has never been LNAPL encountered during the 30+ years of investigation. Therefore, since there have been no detections of petroleum hydrocarbon constituents in the upper 20 feet of soil in all areas explored on the site, and since the primary location of the residual groundwater plume is not located beneath an existing building, nor will it be located beneath a future building, it is our opinion that vapor intrusion to indoor air does not appear to be an exposure pathway that poses a significant risk.

- b. A site-specific risk assessment for the vapor intrusion pathway is conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency; or

*Satisfied:* The USTCF published in their September 2014 5-year review that “this case meets Policy Criterion 2b. A professional assessment of site specific risk from exposure through the vapor intrusion pathway was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health.”

- c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health.

Not applicable to this site

### **Direct Contact and Outdoor Air Exposure**

The LTCP describes conditions where direct contact with contaminated soil or inhalation of contaminants volatilized to outdoor air poses a low threat to human health. Release sites where human exposure may occur satisfy the media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if they meet any of the following:

a. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 of the LTCP for the specified depth below ground surface (bgs). The concentration limits for 0 to 5 feet bgs protect from ingestion of soil, dermal contact with soil, and inhalation of volatile soil emissions and inhalation of particulate emissions. The 5 to 10 feet bgs concentration limits protect from inhalation of volatile soil emissions. Both the 0 to 5 feet bgs concentration limits and the 5 to 10 feet bgs concentration limits for the appropriate site classification (Residential or Commercial/Industrial) shall be satisfied. In addition, if exposure to construction workers or utility trench workers are reasonably anticipated, the concentration limits for Utility Worker shall also be satisfied; or

Satisfied: There have been *no detections* of petroleum hydrocarbon constituents in the upper 20 feet of soil in all areas explored on the site thereby satisfying this criterion. Therefore, direct contact and outdoor air exposures do not appear to be exposure pathways that pose a significant risk at this site.

b. Maximum concentrations of petroleum constituents in soil are less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health; or

Satisfied: The USTCF published in their September 2014 5-year review that “this case meets Policy Criterion 3b. A professional assessment of site specific risk from exposure through the direct exposure pathway was performed by Fund staff. The assessment of site specific risk from potential exposure to residual soil contamination found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health.”

c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health.

Not applicable to this site



## **CONCLUSIONS AND RECOMMENDATIONS**

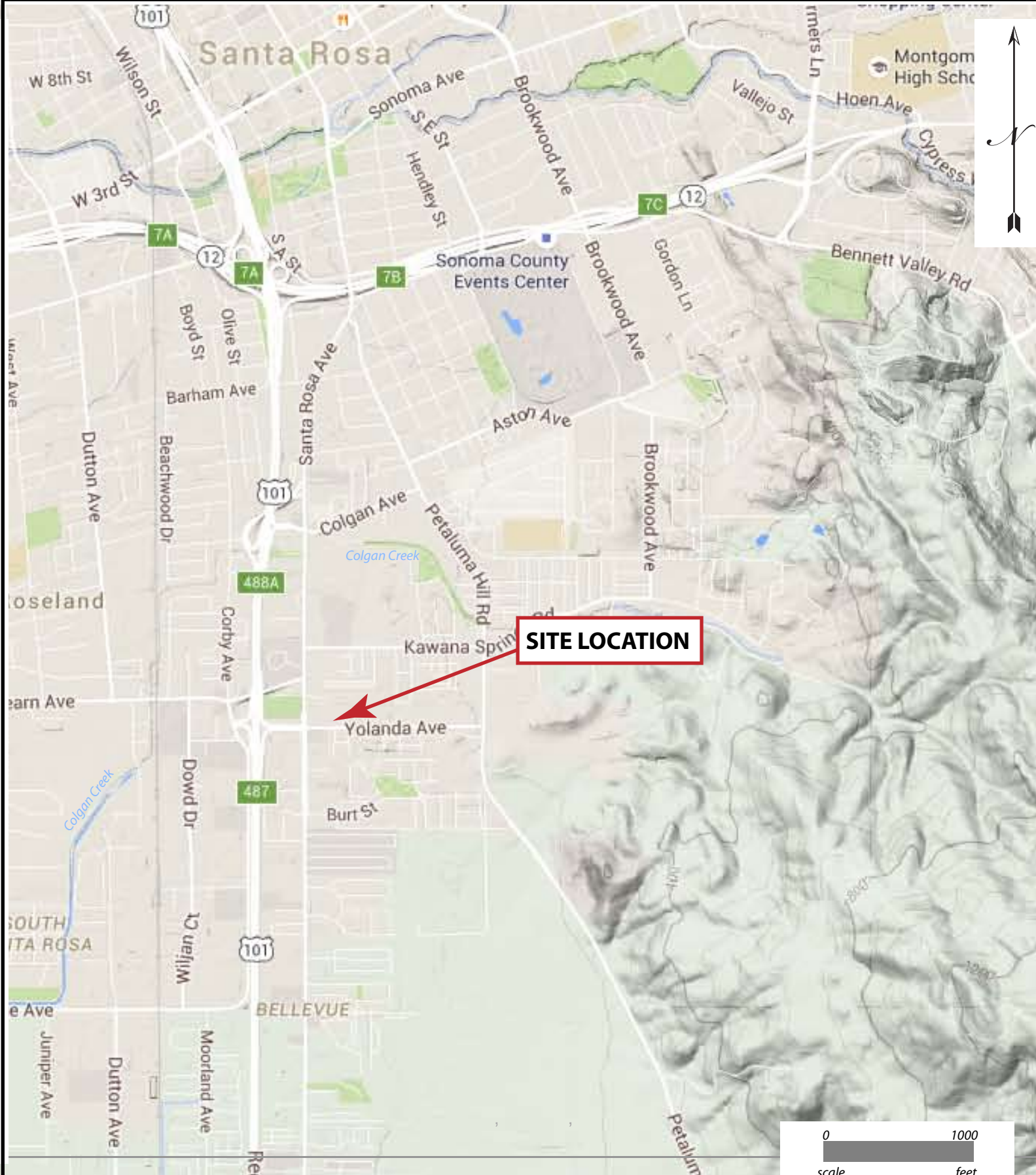
Based on our review, site conditions meet the general and media-specific criteria established in the Low-Threat Closure Policy, and therefore pose a low threat to human health, safety, and the environment, and satisfy the case-closure requirements of Health and Safety Code section 25296.10, and case closure is consistent with Resolution 92-49 that requires that cleanup goals be met within a reasonable time frame.

EGS recommends that the NC-RWQCB consider this case for closure in accordance with the criteria set forth in the State's LTCP, and as presented in this Site Evaluation.

In an effort to further satisfy the Media-Specific Criteria for Groundwater, EGS recommends that the NC-RWQCB issue a deed restriction that requires the on site domestic water supply well be abandoned as part of future site redevelopment.

# **APPENDIX A**

## ***Plates***



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

**SITE LOCATION MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
1



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
MAR 2016

**SITE MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
2

# COUNTY ASSESSOR'S PARCEL MAP

TAX RATE AREA  
 4-134 4-140  
 4-136 4-217  
 4-137

44-07

Parcel Map No. 3300-A  
 REC. 08-08-1973 IN BK. 195, MAPS, PGS. 03-00

44  
04

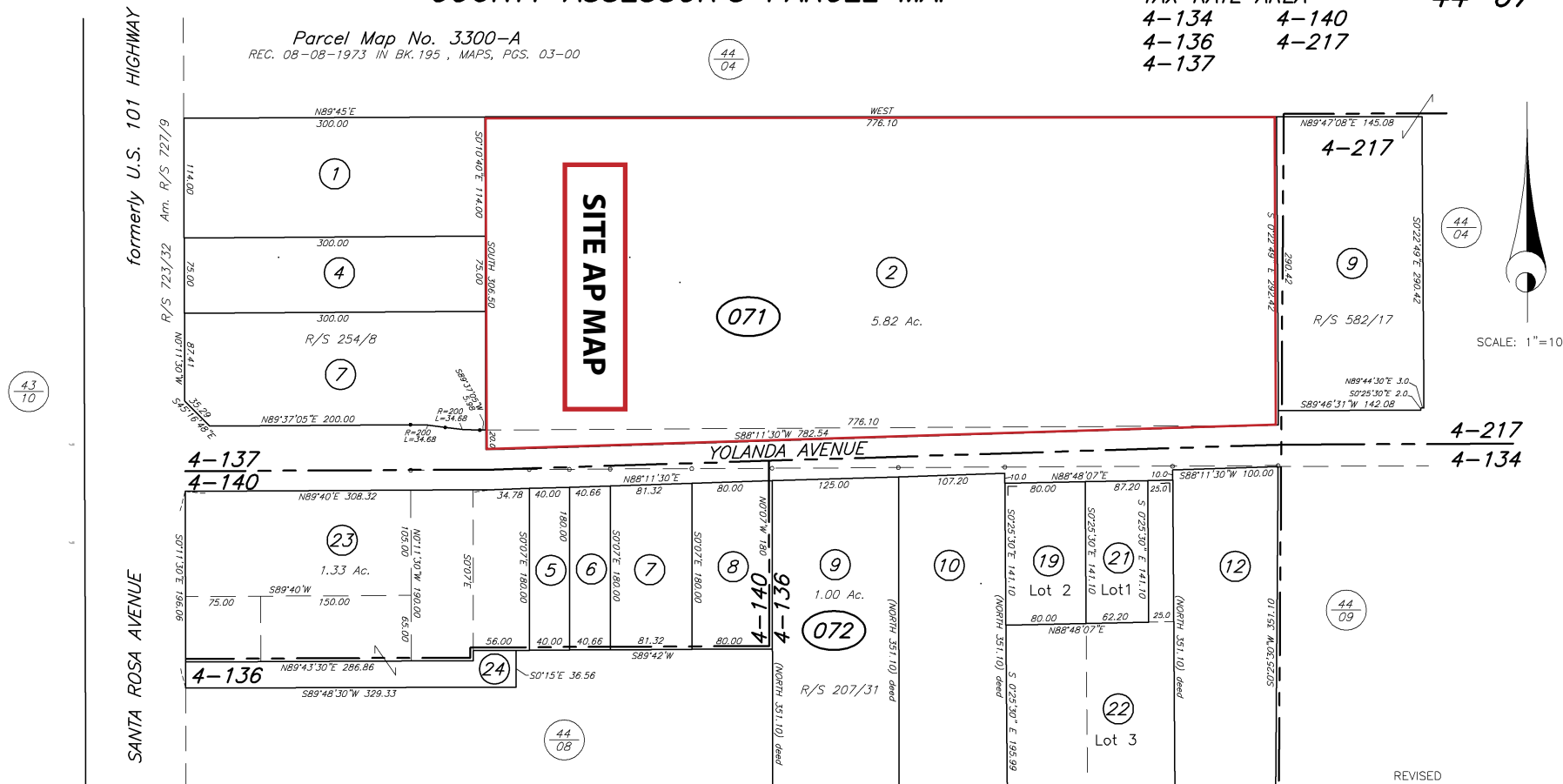


**ENVIRONMENTAL**  
**GEOLOGY**  
**SERVICES**  
 Consulting and Project Management

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: MAR 2016

**ASSESSOR PARCEL MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, California  
 NC-RWQCB Case #175R050

PLATE  
 3



SCALE: 1"=100'

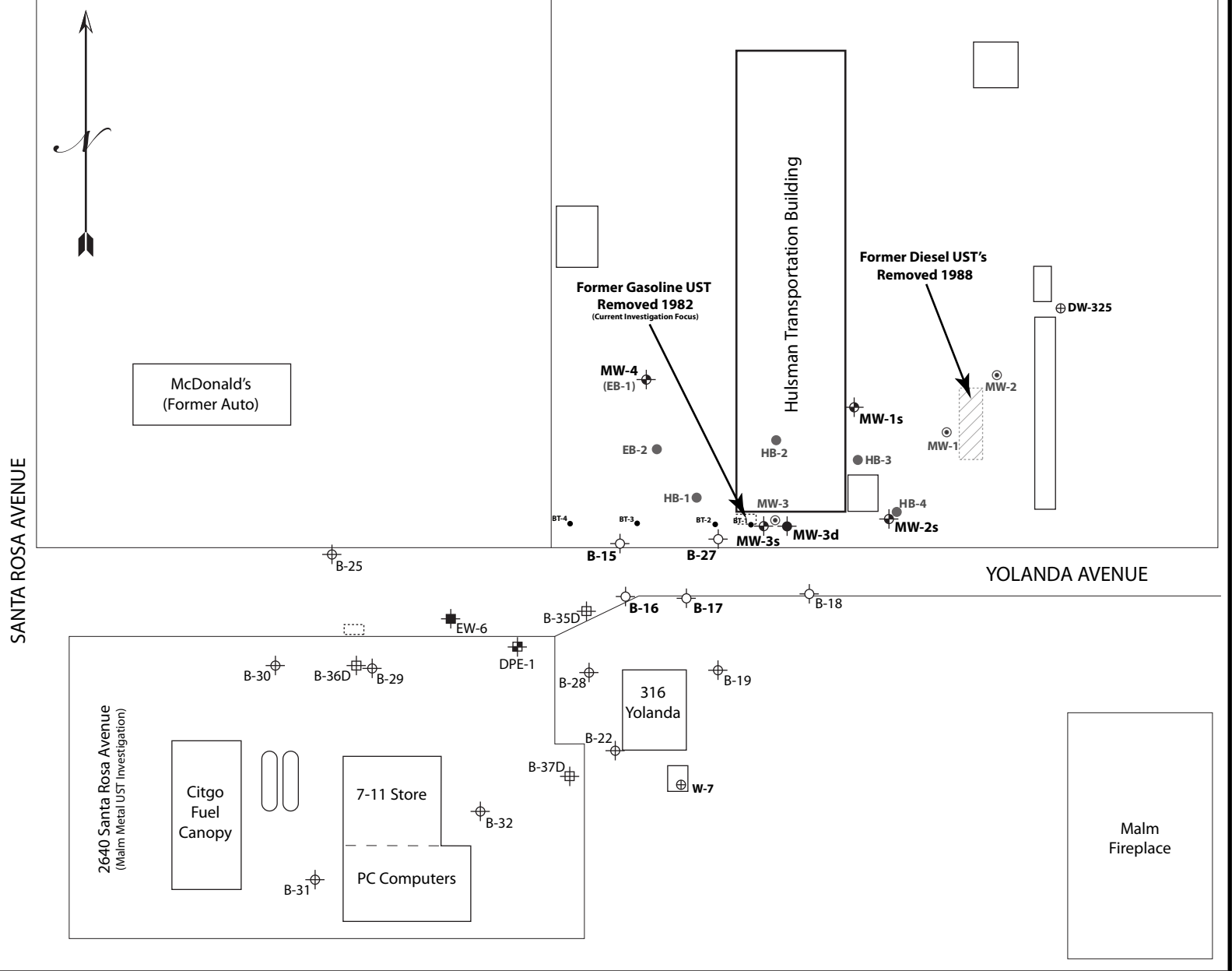
NOTE: This map was prepared for Assessment purposes only and does not indicate either parcel legality or a valid building site. No liability is assumed for the accuracy of the data delineated. The acreages are based on the information supplied to the Assessor (i.e. recorded survey maps, recorded deeds, prior assessment maps, etc.)

NOTE: Assessor's parcels do not necessarily constitute legal lots. To verify legal parcel status, check with the appropriate city or county community development or planning division.

REVISED  
 02-06-04=24(072)-LSL  
 12-21-06=Adj-RL  
 03-09-09-R/S-KB  
 05-23-14=Cor-KB

Assessor's Map Bk. 044, Pg. 07  
 Sonoma County, Calif. (ACAD)

KEY 7/24/09 AG



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- Bench Test Boring, completed by EGS  
(Note: BT-1 was completed using a hand auger to 5-feet bgs)
- ⊕ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB2016)
- ⊕ Abandoned Domestic Water Supply Well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER GASOLINE UST Locations
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

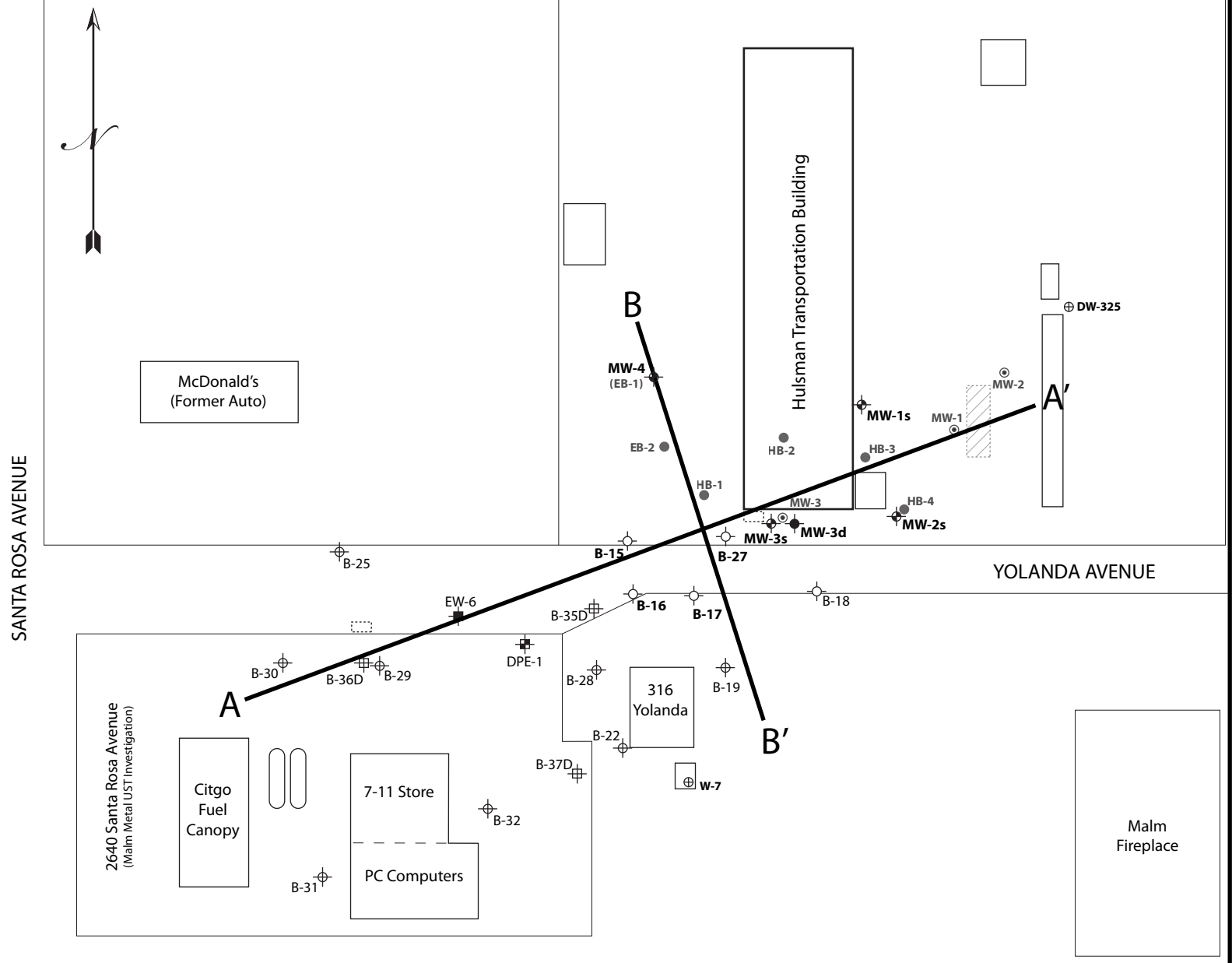
Serving Northern California Since 1989  
www.EGSconsultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

**EXPLORATORY LOCATIONS MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
4



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊕ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB 2016)
- ⊕ Abandoned Domestic Water Supply well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER GASOLINE UST Locations
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management  
O/F: 707-528-0810  
M: 707-953-1020

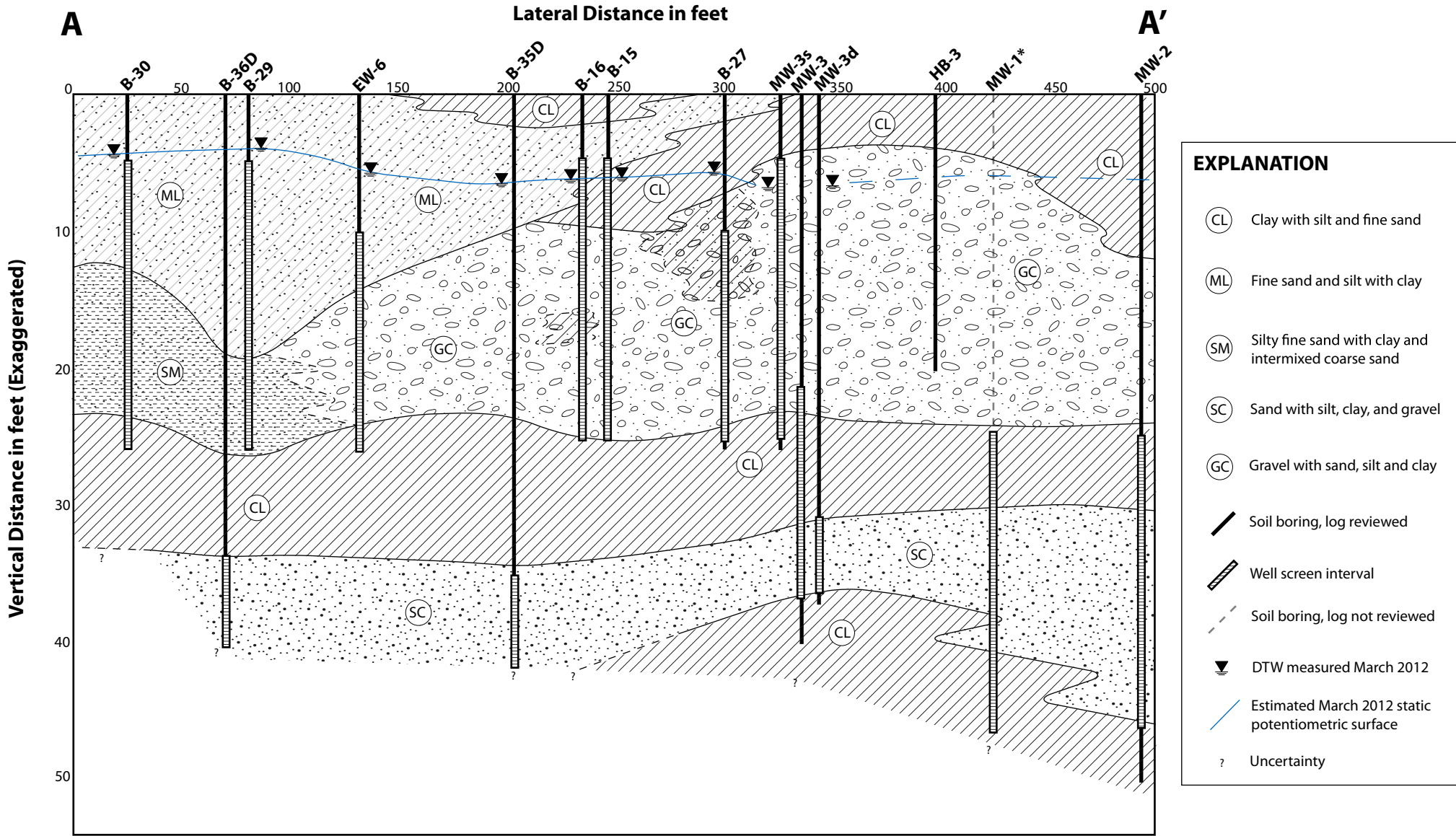
CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

**GEOLOGIC CROSS SECTION MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California  
NC-RWQCB Case #1TSR050

PLATE  
**5**

SANTA ROSA AVENUE

YOLANDA AVENUE



**NOTES:** The abandoned monitoring well MW-3 was not properly constructed since it did not include a conductor casing to seal off the upper aquifer while drilling into the deeper aquifer. Additionally, the well was constructed with the well screen located in both the shallow and deeper aquifer thereby creating a preferential pathway for contaminants to migrate from the shallow to the deeper aquifer at this location. This is the probable reason that deeper contamination has been detected at this site.  
 \*The well log for MW-1 was not reviewed, the screened interval and depth are from Edd Clark & Associates November 1998 report.

**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
 Consulting and Project Management

Serving Northern California Since 1989  
[www.EGSconsultants.com](http://www.EGSconsultants.com)

O/F: 707-528-0810  
 M: 707-953-1020

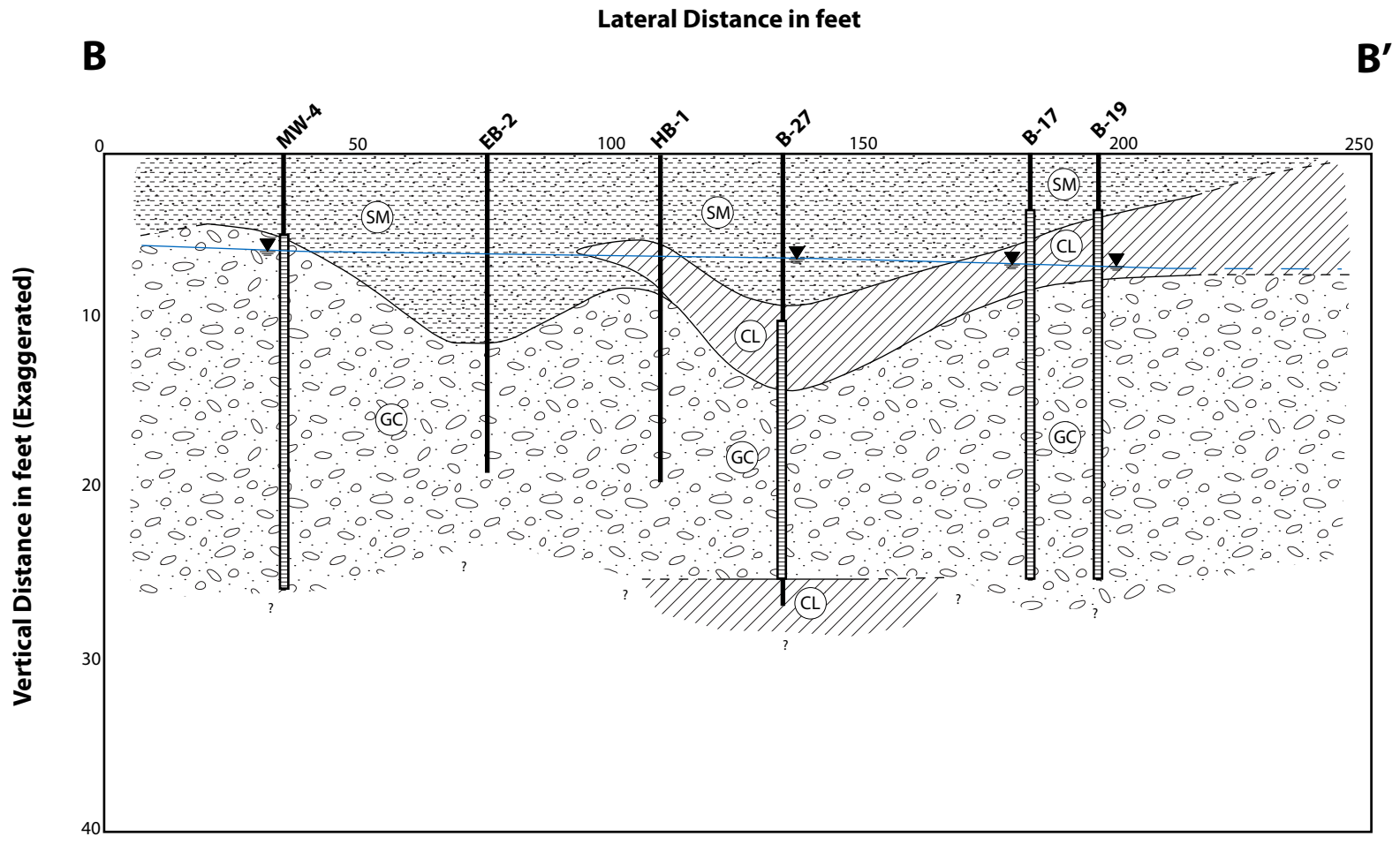
CLIENT:  
Hulsman  
 PROJECT:  
451.0711  
 DRAFTED BY:  
DLB  
 DATE:  
MAR 2016

**GENERALIZED GEOLOGIC CROSS SECTION A-A'**

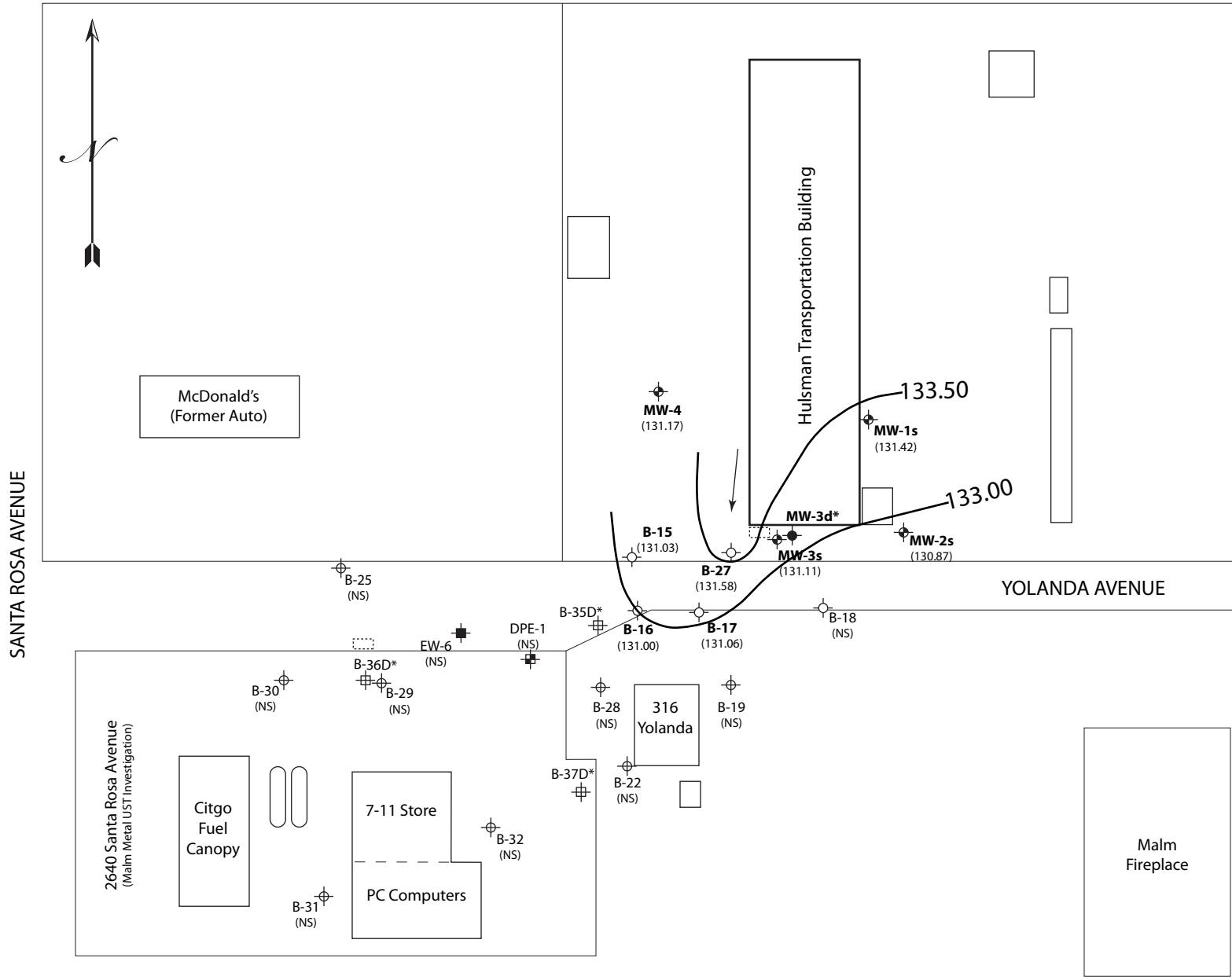
**SITE EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue, Santa Rosa, California  
 NC-RWQCB CASE NO. 1TSR050

PLATE  
6





| EXPLANATION |  |
|-------------|--|
| (CL)        | Clay with silt and fine sand                         |
| (ML)        | Fine sand and silt with clay                         |
| (SM)        | Silty fine sand with clay and intermixed coarse sand |
| (SC)        | Sand with silt, clay, and gravel                     |
| (GC)        | Gravel with sand, silt and clay                      |
|             | Soil boring, log reviewed                            |
|             | Well screen interval                                 |
|             | DTW measured March 2012                              |
|             | Estimated March 2012 static potentiometric surface   |
| ?           | Uncertainty  |



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊙ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA
- \* Monitoring well not included in gradient determination
- ⋯ FORMER UST Location
- ▭ CURRENT UST Location
- ↗ General Groundwater Gradient Direction

**NOTES:** NS = Not Sampled; GWE listed in parentheses adjacent to Well ID



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

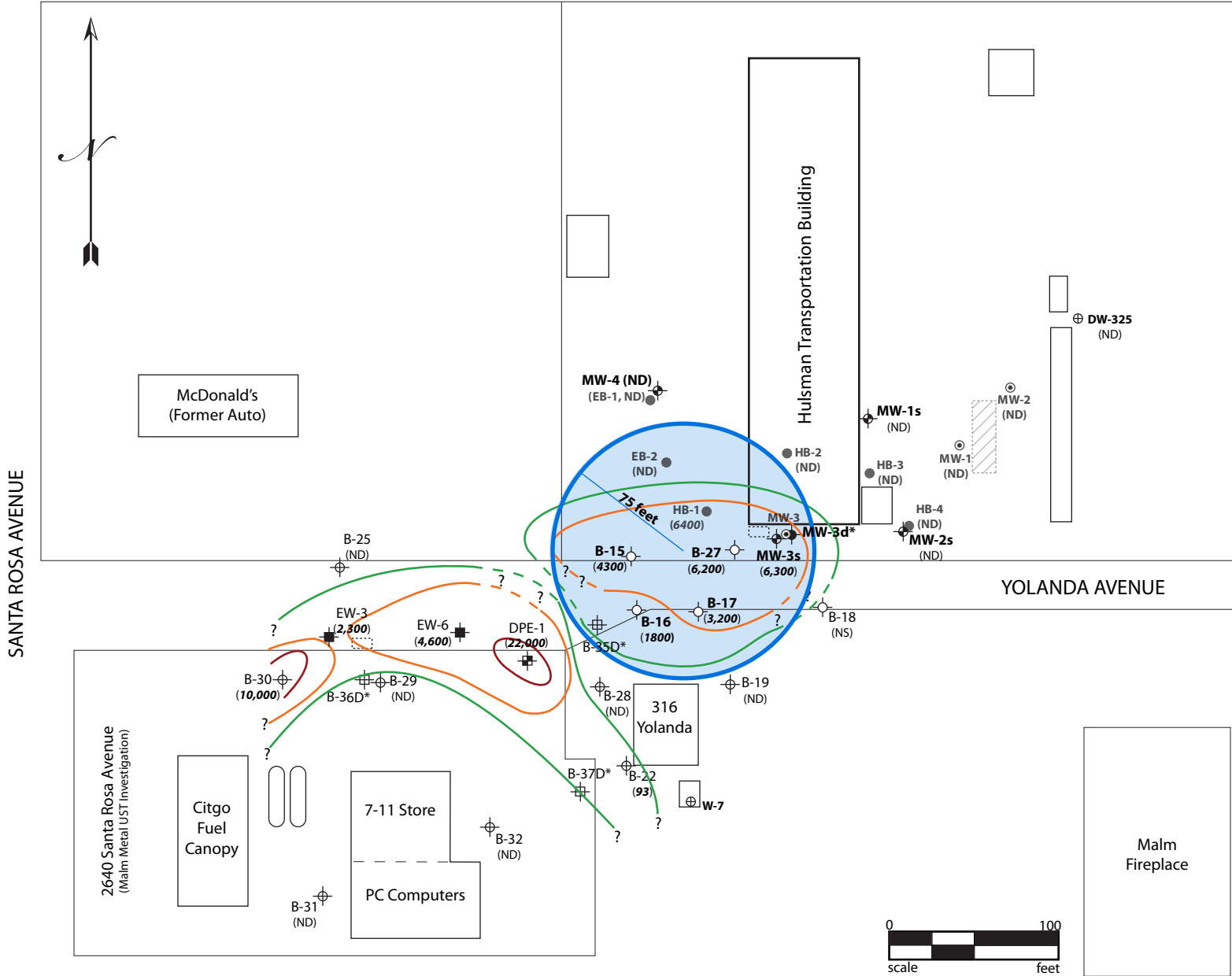
O/F: 707-528-0810  
M: 707-953-1020

CLIENT:  
Hulsman  
PROJECT:  
451.0711  
DRAFTED BY:  
DLB  
DATE:  
MAR 2016

**2015 SHALLOW GRADIENT MAP  
SITE EVALUATION FOR CASE CLOSURE**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
8



**EXPLANATION**

- ⊕ Shallow Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊙ Deeper Groundwater Monitoring Well, associated with Hulsman site, sampled by EGS
- ⊕ Shallow Groundwater Monitoring Well, formerly associated with 2640 S.R. Ave. site, now associated with Hulsman site, sampled by EGS
- ⊙ Former Groundwater Monitoring Well, MW-1 installed by Herzog, MW-3 installed by Hilmer Consulting, MW-3 installed by Sierra Environmental
- Soil Boring Locations, "HB" borings by ECA, "EB" borings by ECON
- ⊕ Shallow Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊙ Deeper Groundwater Monitoring Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Extraction Well, associated with 2640 S.R. Ave. site, sampled by ECA
- ⊕ Dual Phase Extraction, associated with 2640 S.R. Ave. site, sampled by ECA

- TPH-G Concentration: 10,000 ppb (ug/L)
- TPH-G Concentration: 2,500 ppb (ug/L)
- TPH-G Concentration: 50 ppb (ug/L)
- ? Contour incomplete due to data gap
- \* Deeper Groundwater Aquifer Monitoring well not included in contour determination
- ⊕ Radius of Impact and Area used for Estimated Contaminant Mass
- ⊕ DW-325 On Site Domestic Water Supply located at 325 Yolanda Avenue (ND in FEB 2016)
- ⊕ W-7 Abandoned Domestic Water Supply well at 316 Yolanda Avenue (Replaced Well W-4, 1983)
- ⊕ FORMER UST Location
- ⊕ FORMER DIESEL UST Locations
- ⊕ CURRENT UST Location

**NOTES:** NS = Not Sampled; ND = Not Detected; TPH-G Concentration (ug/L) in parentheses from most recent well sampling data (Mar/Apr 2015 for Hulsman wells; Sept 2014 for Malm Metal wells DPE-1, EW-3, EW-6), and B-30; Other Malm well data from 2012; Data from HB borings, 1998; Data from EB borings, 2001; MW-1, MW-2, MW-3 - 2001.



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSconsultants.com

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

**TPH-G Contour with Radius of Impact**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, CA  
NC-RWQCB Case#1TSR050

PLATE  
9



2016 Google, Map data ©2016 Google  
 Measure distance  
 Total distance: 217.60 ft (66.32 m)

0 50  
 scale feet



**ENVIRONMENTAL  
 GEOLOGY  
 SERVICES**  
 Consulting and Project Management

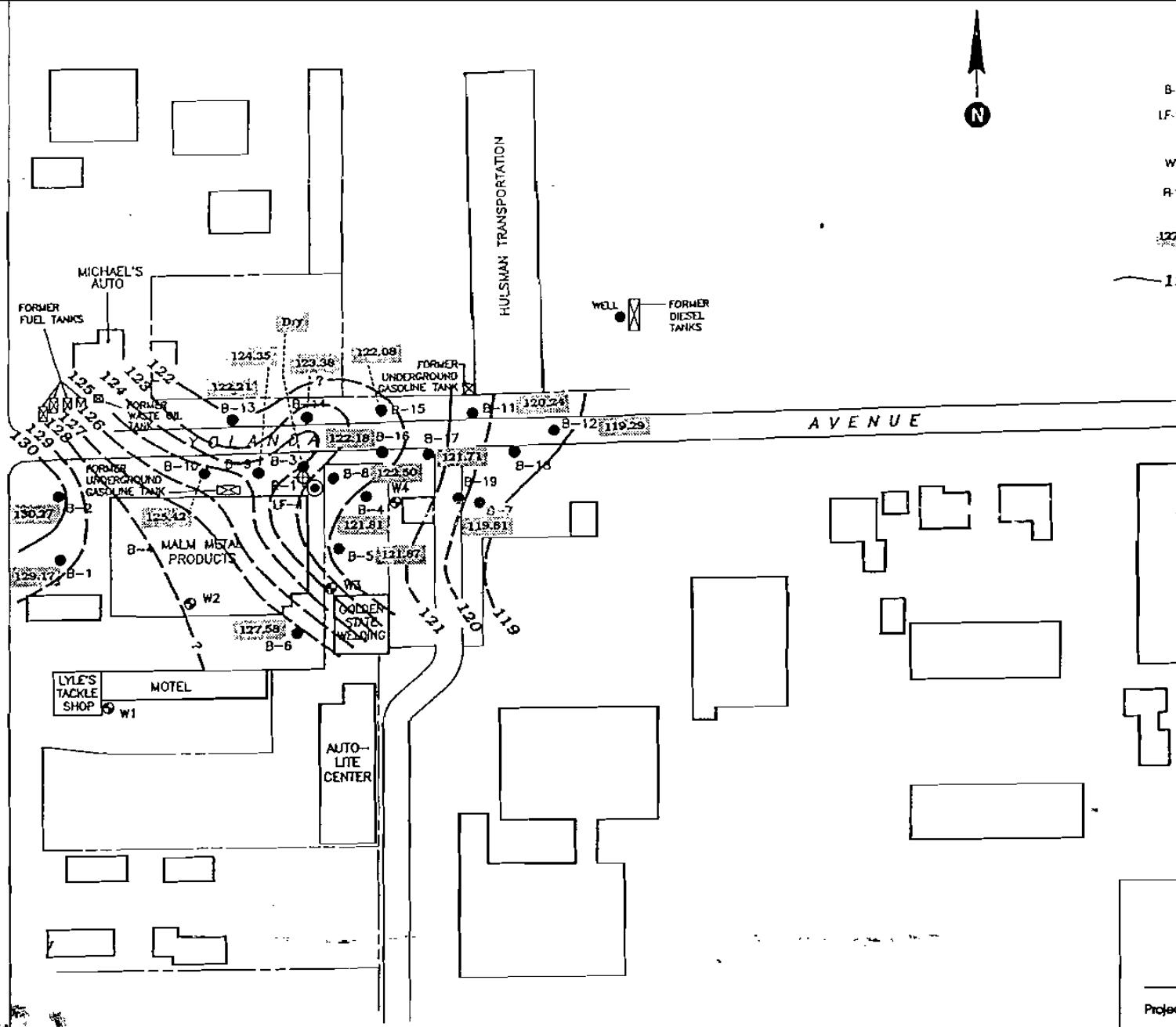
Serving Northern California Since 1989  
[www.EGSconsultants.com](http://www.EGSconsultants.com) O/F: 707-528-0810  
 M: 707-953-1020

CLIENT: Hulsman  
 PROJECT: 451.0711  
 DRAFTED BY: DLB  
 DATE: MAR 2016

**DW-325 LOCATION MAP**  
**SITE EVALUATION FOR CASE CLOSURE**  
 Hulsman Transportation  
 325 Yolanda Avenue  
 Santa Rosa, CA  
 NC-RWQCB Case#1TSR050

PLATE  
 10

SANTA ROSA AVE.



- EXPLANATION**
- B-1 ● Existing monitoring well
  - LF-1 ⊙ Levine-Fricke intermediate-depth monitoring well
  - W1 ⊕ Water supply well
  - R-1 ⊕ Recovery well
  - 127.38 Ground-water elevation (feet above mean sea level)
  - 122 Line of equal ground-water elevation; dashed where approximate; queried where inferred (feet above mean sea level)

Figure 4 :  
SHALLOW GROUND-WATER ELEVATIONS  
MEASURED ON JUNE 18, 1990

Project No. 1962.01 **LEVINE • FRICKE**  
COMMUNITY ENGINEERING AND HYDROLOGISTS



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSc consultants.com O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsmann  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

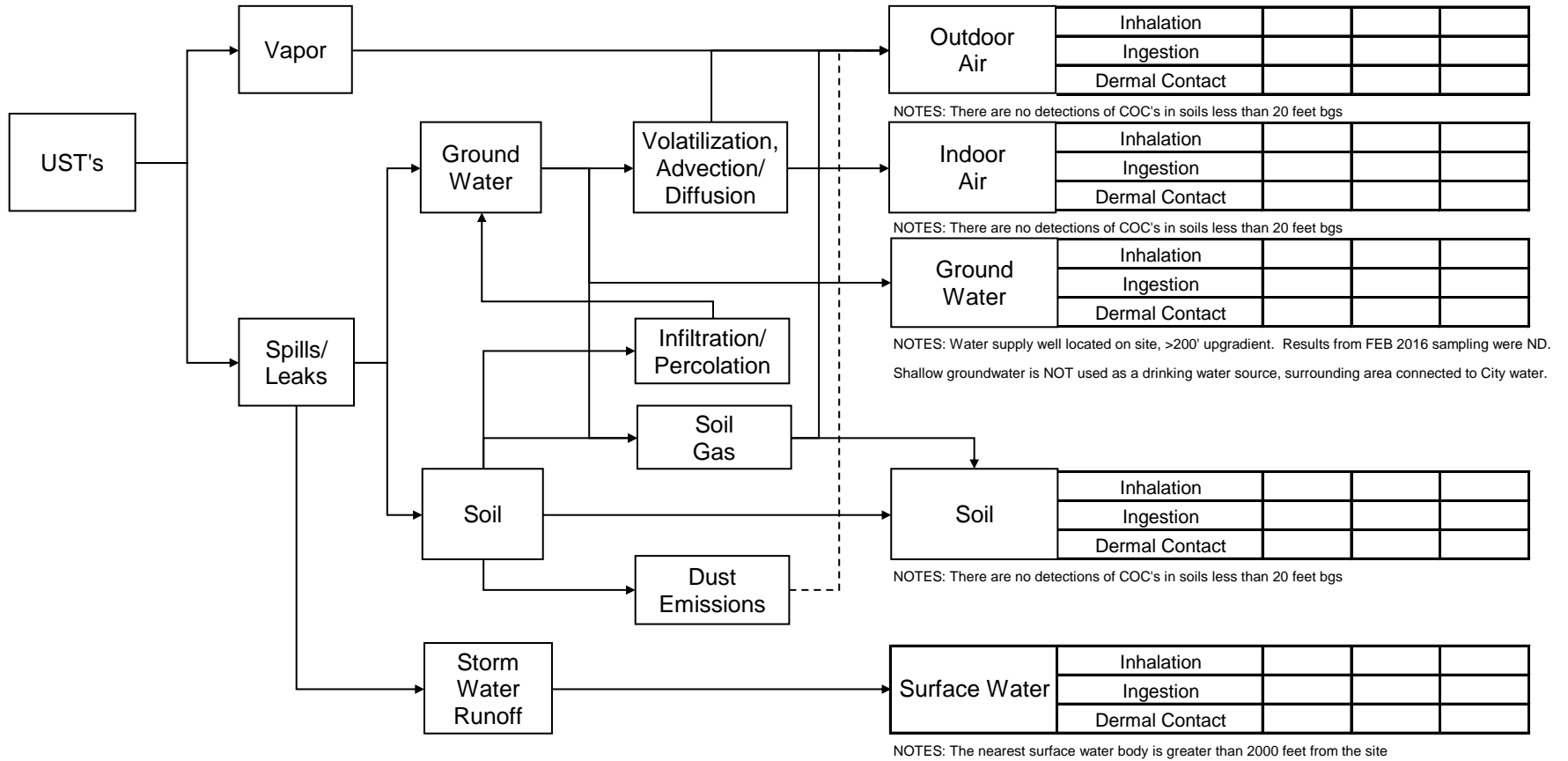
**1990 SITE GRADIENT WITH FORMER DOMESTIC WELLS**

**SITE EVALUATION FOR CASE CLOSURE**  
Hulsmann Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE  
11

| PRIMARY CONTAMINANT SOURCES | POTENTIAL RELEASE MECHANISMS | POTENTIAL SECONDARY SOURCES | POTENTIAL RELEASE MECHANISMS |
|-----------------------------|------------------------------|-----------------------------|------------------------------|
|-----------------------------|------------------------------|-----------------------------|------------------------------|

| PATHWAY | EXPOSURE | RECEPTOR |         |          |
|---------|----------|----------|---------|----------|
|         |          | ON-SITE  |         | OFF-SITE |
|         |          | Worker   | Visitor | Visitor  |



**EXPLANATION**

- Pathway is not complete; no evaluation required
- Pathway is or might be complete but is judged to be minor
- Pathway is or might be complete and could be significant



**ENVIRONMENTAL  
GEOLOGY  
SERVICES**  
Consulting and Project Management

Serving Northern California Since 1989  
www.EGSc consultants.com

O/F: 707-528-0810  
M: 707-953-1020

CLIENT: Hulsman  
PROJECT: 451.0711  
DRAFTED BY: DLB  
DATE: MAR 2016

**SITE CONCEPTUAL MODEL**  
**SITE EVALUATION FOR CASE CLOSURE**  
Hulsman Transportation  
325 Yolanda Avenue, Santa Rosa, California  
NC-RWQCB CASE NO. 1TSR050

PLATE  
12

## **APPENDIX B**

### ***Analytical Summary Tables***

**TABLE 1: Historical Summary of Analytical Results for On Site MW's MW-1s, MW-2s, MW-3s, MW-4, MW-3d**

| Date       | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | DTW   |
|------------|-----------|-------|---------|---------|---------------|---------------|------|-------|
| 11/30/2004 | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 13.67 |
| 2/9/2005   | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 8.98  |
| 11/29/2007 | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 12.14 |
| 3/1/2010   | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 8.13  |
| 10/18/2011 | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 11.62 |
| 3/27/2012  | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 8.42  |
| 3/12/2014  | MW-1s     | ND    | ND      | ND      | ND            | 1.2           | ND   | 9.43  |
| 3/31/2015  | MW-1s     | ND    | ND      | ND      | ND            | ND            | ND   | 10.92 |
| 11/30/2004 | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 13.31 |
| 2/9/2005   | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 8.95  |
| 11/29/2007 | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 11.86 |
| 3/1/2010   | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 7.81  |
| 10/18/2011 | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 11.21 |
| 3/27/2012  | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 7.91  |
| 3/12/2014  | MW-2s     | ND    | ND      | ND      | ND            | 1.0           | ND   | 8.71  |
| 3/31/2015  | MW-2s     | ND    | ND      | ND      | ND            | ND            | ND   | 10.99 |
| 11/30/2004 | MW-3s     | 19000 | 630     | 190     | 2000          | 5800          | 33   | 13.16 |
| 2/9/2005   | MW-3s     | 17000 | 1700    | 290     | 4700          | 13000         | ND   | 8.59  |
| 11/29/2007 | MW-3s     | 23000 | 610     | ND      | 1500          | 1400          | ND   | 11.71 |
| 3/1/2010   | MW-3s     | 16000 | 550     | 62      | 970           | 790           | ND   | 7.73  |
| 10/18/2011 | MW-3s     | 5700  | 180     | ND      | 370           | 200           | ND   | 11.17 |
| 3/28/2012  | MW-3s     | 7100  | 260     | ND      | 530           | 290           | ND   | 7.91  |
| 10/5/2012  | MW-3s     | 9200  | 340     | 7.3     | 870           | 590           | ND   | 12.33 |
| 3/12/2014  | MW-3s     | 6600  | 400     | ND      | 380           | 110           | ND   | 8.74  |
| 6/12/2014  | MW-3s     | 750   | 11      | 2.6     | 4.8           | 34            | ND   | 10.62 |
| 9/16/2014  | MW-3s     | 230   | 3.9     | ND      | 9.6           | 27            | ND   | 13.35 |
| 3/31/2015  | MW-3s     | 6300  | 220     | 16      | 280           | 333           | ND   | 10.71 |
| 11/30/2004 | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 12.16 |
| 2/9/2005   | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 7.42  |
| 11/29/2007 | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 10.76 |
| 3/1/2010   | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 6.59  |
| 10/18/2011 | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 10.22 |
| 3/27/2012  | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 6.81  |
| 3/12/2014  | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 7.78  |
| 3/31/2015  | MW-4      | ND    | ND      | ND      | ND            | ND            | ND   | 9.61  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.



**TABLE 2: Historical Summary of Analytical Results for On Site MW-3d and Off Site MW B-15**

| Date       | Sample ID | TPH-G   | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | DTW   |
|------------|-----------|---|---------|---------|---------------|---------------|------|-------|
| 11/30/2004 | MW-3d     | 1100  | 89      | 3.8     | 34            | 8.8           | 19   | 13.05 |
| 2/9/2005   | MW-3d     | 1800  | 370     | 14      | 40            | 6.5           | ND   | 8.46  |
| 11/29/2007 | MW-3d     | 850   | 14      | 1.8     | ND            | 1.5           | ND   | 11.62 |
| 3/1/2010   | MW-3d     | 240   | 2.1     | 8.3     | ND            | ND            | ND   | 7.52  |
| 10/18/2011 | MW-3d     | 480   | 4.7     | ND      | ND            | ND            | 8.7  | 11.00 |
| 3/28/2012  | MW-3d     | ND  | ND      | ND      | ND            | ND            | 6.8  | 7.69  |
| 10/5/2012  | MW-3d     | 170   | 2.2     | 2.1     | 0.58          | 1.7           | 11   | 12.37 |
| 3/12/2014  | MW-3d     | 220   | ND      | ND      | 4.0           | 1.9           | 11   | 8.63  |
| 6/12/2014  | MW-3d     | 75  | ND      | ND      | ND            | ND            | 7.0  | 10.93 |
| 9/16/2014  | MW-3d     | ND  | ND      | ND      | ND            | ND            | 5.3  | 13.72 |
| 4/1/2015   | MW-3d     | 200   | ND*     | ND      | ND            | ND            | 6.2  | 10.79 |
| 6/18/1990  | B-15      | 45000   | 12000   | 7900    | 1600          | 6600          | NA   | 21.15 |
| 6/6/1996   | B-15      | 1800  | 160     | 16      | 86            | 74            | NA   | 11.3  |
| 4/25/1997  | B-15      | 180   | 1.4     | 0.67    | 0.81          | ND            | NA   | 12.9  |
| 11/11/1998 | B-15      | 240   | 15      | 1.7     | 4.8           | 3.8           | NA   | 14.7  |
| 2/16/1999  | B-15      | 290   | 14      | 2       | 4.6           | 3.1           | NA   | 11.5  |
| 7/11/2000  | B-15      | 260   | 40      | 1.5     | 0.5           | 1.4           | NA   | 11.57 |
| 11/14/2000 | B-15      | 5700  | 190     | 190     | 380           | 680           | NA   | 12.94 |
| 5/16/2001  | B-15      | 480   | 32      | 1       | 1.2           | 2.3           | NA   | 11.06 |
| 9/26/2001  | B-15      | 770   | 220     | 310     | 570           | 1500          | NA   | 15.1  |
| 8/12/2004  | B-15      | 7400  | 1300    | 470     | 300           | 590           | NA   | 11.32 |
| 11/23/2001 | B-15      | 910   | 140     | 8.8     | 22            | 12            | NA   | 11.56 |
| 3/9/2005   | B-15      | 11000   | 2000    | 110     | 390           | 220           | NA   | 5.68  |
| 10/31/2005 | B-15      | 5900  | 720     | 98      | 110           | 150           | NA   | 10.21 |
| 6/1/2006   | B-15      | 11000   | 1800    | 70      | 530           | 170           | NA   | 6.85  |
| 9/26/2006  | B-15      | 13000   | 2200    | 220     | 460           | 380           | NA   | 10.29 |
| 12/20/2006 | B-15      | 11000   | 2000    | 240     | 420           | 480           | NA   | 7.8   |
| 7/19/2007  | B-15      | 8300  | 1100    | 24      | 130           | 29            | NA   | 9.05  |
| 9/3/2008   | B-15      | 11000   | 1600    | 95      | 220           | 100           | NA   | 11.11 |
| 4/13/2012  | B-15      | Well located, determined to be in good repair, and new Christy box installed. |         |         |               |               |      |       |
| 4/25/2012  | B-15      | 4900  | 170     | 29      | 95            | 35            | ND   | 5.95  |
| 10/4/2012  | B-15      | 1500  | 81      | 7.8     | 10            | 9.0           | ND   | 10.26 |
| 3/12/2014  | B-15      | 1100  | 110     | 12      | 57            | 18.8          | ND   | 6.81  |
| 6/12/2014  | B-15      | 110   | 2.8     | ND      | ND            | ND            | ND   | 7.92  |
| 9/16/2014  | B-15      | ND  | ND      | ND      | ND            | ND            | ND   | 11.51 |
| 4/1/2015   | B-15      | 4300  | 540     | 32      | 11            | 26.4          | ND   | 8.86  |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

\*There were also detections of chlorinated solvents in this well related to the adjacent site to the south.

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 3: Historical Summary of Analytical Results for Off Site MW B-16**

| Date       | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | DTW   |
|------------|-----------|-------|---------|---------|---------------|---------------|------|-------|
| 12/13/1989 | B-16      | 43000 | 10000   | 10000   | 900           | 4600          | NA   | --    |
| 6/7/1996   | B-16      | 10000 | 330     | 330     | 590           | 1100          | NA   | 11.92 |
| 4/25/1997  | B-16      | 4700  | 150     | 150     | 290           | 320           | NA   | 13.33 |
| 11/12/1998 | B-16      | 2200  | 55      | 55      | 120           | 130           | NA   | 15.71 |
| 2/15/1999  | B-16      | 960   | 14      | 14      | 43            | 45            | NA   | 12.13 |
| 7/11/2000  | B-16      | 3800  | 86      | 86      | 210           | 110           | NA   | 12.13 |
| 11/14/2000 | B-16      | 1800  | 31      | 31      | 110           | 120           | NA   | 13.41 |
| 5/16/2001  | B-16      | 2100  | 35      | 35      | 170           | 190           | NA   | 11.6  |
| 9/26/2001  | B-16      | 3900  | 52      | 52      | 270           | 210           | NA   | 15.68 |
| 8/12/2004  | B-16      | 5000  | 150     | 150     | 250           | 260           | NA   | 11.86 |
| 11/23/2004 | B-16      | 1200  | 85      | 85      | 17            | 14            | NA   | 11.66 |
| 3/9/2005   | B-16      | 1400  | 270     | 270     | 47            | 14            | NA   | 6.26  |
| 10/31/2005 | B-16      | 5400  | 870     | 870     | 200           | 75            | NA   | 10.24 |
| 6/1/2006   | B-16      | 1400  | 130     | 130     | 0.72          | 13            | NA   | 7.57  |
| 9/25/2006  | B-16      | 1900  | 350     | 350     | 53            | 5.8           | NA   | 10.96 |
| 12/20/2006 | B-16      | 290   | 99      | 99      | 2.1           | 0.89          | NA   | 8.41  |
| 7/16/2007  | B-16      | 820   | 31      | 31      | 6.2           | 1.1           | NA   | 9.65  |
| 9/20/2007  | B-16      | 210   | 40      | 40      | 5.9           | 1             | NA   | 10.91 |
| 1/7/2008   | B-16      | 99    | 4       | 4       | 1.3           | ND            | NA   | 7.33  |
| 9/3/2008   | B-16      | 500   | 5.6     | 5.6     | 1.7           | 1.5           | NA   | 11.27 |
| 10/19/2011 | B-16      | 2600  | 190     | ND      | 15            | 11            | ND   | 9.84  |
| 3/28/2012  | B-16      | ND    | 1.2     | ND      | 0.9           | ND            | ND   | 6.61  |
| 10/4/2012  | B-16      | 220   | 14      | 3.0     | 1.5           | 2.8           | ND   | 10.85 |
| 3/12/2014  | B-16      | 160   | 2.4     | ND      | ND            | ND            | ND   | 7.44  |
| 6/12/2014  | B-16      | 790   | 26      | 1.0     | 0.89          | ND            | ND   | 9.04  |
| 9/16/2014  | B-16      | ND    | ND      | ND      | ND            | ND            | ND   | 12.02 |
| 4/1/2015   | B-16      | 1800  | 130     | 6.6     | 3.0           | 3.6           | ND   | 9.49  |
| 11/12/1998 | B-17      | 49000 | 3300    | 530     | 1400          | 2900          | NA   | 16.2  |
| 2/15/1999  | B-17      | 24000 | 3600    | 710     | 1400          | 2500          | NA   | 12.5  |
| 7/11/2000  | B-17      | 4700  | 1700    | 220     | 570           | 1300          | NA   | 8.99  |
| 11/14/2000 | B-17      | 17000 | 1600    | 330     | 960           | 1100          | NA   | 12.57 |
| 5/16/2001  | B-17      | 7200  | 530     | 120     | 470           | 600           | NA   | 13.99 |
| 9/26/2001  | B-17      | 15000 | 1300    | 310     | 1100          | 1200          | NA   | 11.98 |
| 8/12/2004  | B-17      | 8800  | 530     | 83      | 930           | 390           | NA   | 16.17 |
| 11/23/2004 | B-17      | 870   | 28      | 3.4     | 5.2           | 3.4           | NA   | 12.27 |
| 3/9/2005   | B-17      | 1000  | 130     | 12      | 24            | 26            | NA   | 12.04 |
| 10/31/2005 | B-17      | 12000 | 2400    | 67      | 550           | 320           | NA   | 6.59  |
| 6/1/2006   | B-17      | 4400  | 960     | 7.3     | 56            | 12            | NA   | 11.07 |
| 9/25/2006  | B-17      | 12000 | 2000    | 60      | 220           | 310           | NA   | 7.87  |
| 12/20/2006 | B-17      | 14000 | 1800    | 52      | 260           | 70            | NA   | 11.3  |
| 7/16/2007  | B-17      | 5600  | 800     | 13      | 32            | 20            | NA   | 8.71  |
| 9/20/2007  | B-17      | 7300  | 1100    | 8       | 22            | 9.6           | NA   | 10.02 |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit.

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 4: Historical Summary of Analytical Results for Off Site MW's B-17 (Cont) & B-27 as well as historic soil borings HB-1 through HB-4 and EB-1 and EB-2 and DW-325**

| Date       | Sample ID | TPH-G | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | DTW   |
|------------|-----------|-------|---------|---------|---------------|---------------|------|-------|
| 1/7/2008   | B-17      | 4600  | 460     | 5.6     | 13            | 14            | NA   | 7.69  |
| 9/3/2008   | B-17      | 11000 | 390     | 8.7     | 40            | 16            | NA   | 11.98 |
| 10/19/2011 | B-17      | 3300  | 280     | ND      | 39            | 23            | ND   | 10.21 |
| 3/28/2012  | B-17      | 6300  | 140     | ND      | 11            | 21            | ND   | 6.94  |
| 10/4/2012  | B-17      | 3100  | 180     | 4.0     | 11            | 10            | ND   | 11.31 |
| 3/12/2014  | B-17      | 2300  | 48      | 1.9     | 4.0           | 5.0           | 3.7  | 7.78  |
| 6/12/2014  | B-17      | 700   | 7.6     | ND      | 0.6           | 1.7           | 16   | 9.23  |
| 9/16/2014  | B-17      | 420   | ND      | ND      | ND            | ND            | ND   | 12.37 |
| 4/1/2015   | B-17      | 3200  | 66      | 5.6     | 3.5           | 7.4           | ND   | 9.78  |
| 9/26/2001  | B-27      | 67000 | 1400    | 2300    | 4600          | 18000         | NA   | 15.65 |
| 8/12/2004  | B-27      | 38000 | 850     | 210     | 3100          | 8900          | NA   | 11.22 |
| 11/23/2004 | B-27      | 25000 | 280     | 90      | 1800          | 5500          | NA   | 10.99 |
| 3/9/2005   | B-27      | 25000 | 370     | 63      | 1600          | 4400          | NA   | 5.44  |
| 10/31/2005 | B-27      | 36000 | 740     | 110     | 2200          | 5700          | NA   | 10.34 |
| 6/1/2006   | B-27      | 24000 | 610     | 57      | 1600          | 3200          | NA   | 6.67  |
| 9/26/2006  | B-27      | 23000 | 650     | 100     | 1800          | 3500          | NA   | 10.11 |
| 12/20/2006 | B-27      | 18000 | 460     | 58      | 1300          | 2800          | NA   | 7.75  |
| 9/21/2007  | B-27      | 24000 | 610     | 59      | 1400          | 1700          | NA   | 10.19 |
| 9/9/2008   | B-27      | 15000 | 560     | 52      | 1200          | 940           | NA   | --    |
| 10/18/2011 | B-27      | 7600  | 610     | 63      | 980           | 580           | ND   | 9.15  |
| 3/28/2012  | B-27      | 5000  | 250     | ND      | 130           | 54            | ND   | 5.86  |
| 3/12/2014  | B-27      | 5000  | 280     | 14      | 620           | 220           | 17   | 6.73  |
| 6/12/2014  | B-27      | 6000  | 300     | 3.5     | 280           | 400           | ND   | 8.57  |
| 9/16/2014  | B-27      | 4300  | 120     | ND      | 130           | 360           | ND   | 11.46 |
| 4/1/2015   | B-27      | 6200  | 250     | 11      | 470           | 190           | 13   | 6.68  |
| 5/20/1998  | HB-1      | 6400  | 1800    | 22      | 300           | 43            | ND   | 9.9   |
| 5/20/1998  | HB-2      | ND    | 1.1     | ND      | ND            | ND            | ND   | 11.1  |
| 5/20/1998  | HB-3      | ND    | ND      | ND      | ND            | ND            | ND   | 11.3  |
| 5/20/1998  | HB-4      | ND    | ND      | ND      | ND            | ND            | ND   | 11.6  |
| 4/10/2001  | EB-1      | ND    | ND      | ND      | ND            | ND            | ND   | 14.5  |
| 4/10/2001  | EB-2      | 67.7  | ND      | ND      | ND            | ND            | ND   | 17    |
| 4/14/1989  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND   | NM    |
| 5/23/1990  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND   | NM    |
| 10//19/11  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND   | NM    |
| 2/29/2016  | DW-325    | ND    | ND      | ND      | ND            | ND            | ND   | NM    |

NOTES: Source data prior to October 2011 from ECON

ND = Not Detected above reported detection limit; NM = Not Measured

Reported units are in parts per billion (or ppb, ug/L).

Refer to attached Analytical Sciences' Laboratory and QA/QC Report.

**TABLE 5: Historical Summary of Analytical Results from for Site Soil Samples**

| Date       | Sample ID         | Source | TPH-G    | Benzene   | Toluene   | Ethyl-benzene | Total Xylenes | MTBE      |
|------------|-------------------|--------|----------|-----------|-----------|---------------|---------------|-----------|
| 11/29/1988 | MW-1d15           | Herzog | NA       | ND        | ND        | ND            | ND            | NA        |
| 4/27/1990  | MW-2d21           | Hilmer | ND       | ND        | ND        | ND            | ND            | NA        |
| 4/27/1990  | MW-2d31           | Hilmer | ND       | ND        | ND        | ND            | ND            | NA        |
| 10/18/1991 | EX-1d23           | Sierra | 15       | 0.07      | 0.23      | 0.084         | 0.36          | NA        |
| 10/18/1991 | EX-2d12           | Sierra | ND<1.0   | ND<0.0025 | ND<0.0025 | ND<0.0025     | ND<0.0025     | ND<0.0025 |
| 10/18/1991 | EX-3d12           | Sierra | ND<1.0   | ND<0.0025 | ND<0.0025 | ND<0.0025     | ND<0.0025     | ND<0.0025 |
| 10/18/1991 | EX-4d12           | Sierra | ND<1.0   | ND<0.0025 | ND<0.0025 | ND<0.0025     | ND<0.0025     | ND<0.0025 |
| 10/18/1991 | EX-5d12           | Sierra | ND<1.0   | ND<0.0025 | ND<0.0025 | ND<0.0025     | ND<0.0025     | ND<0.0025 |
| 5/20/1998  | HB-1/11-11.5      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-1/16-16.5      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-2/11-11.5      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-2/15.5-16      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-2/20.5-21      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-3/10.5-11      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-3/15.5-16      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-4/11-11.5      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 5/20/1998  | HB-4/15.5-16      | ECA    | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 4/17/2001  | MW-4d6            | ECON   | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | NA        |
| 4/17/2001  | MW-4d11           | ECON   | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 4/17/2001  | MW-4d16           | ECON   | ND<1.0   | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.005      | ND<0.05   |
| 11/15/2004 | MW-1Sd5.5         | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/15/2004 | MW-1Sd15.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/15/2004 | MW-1Sd25.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/15/2004 | MW-2Sd5.5         | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/15/2004 | MW-2Sd15.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/15/2004 | MW-2Sd25.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/17/2004 | MW-3Sd5.5         | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 11/17/2004 | MW-3Sd15.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | 2.3       |
| 11/17/2004 | MW-3Sd25.5        | ECON   | 110      | 0.63      | 0.6       | 3.6           | 12            | ND<100    |
| 11/17/2004 | MW-3Dd30.5        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | 8.6       |
| 11/17/2004 | MW-3Dd35.0        | ECON   | ND<0.005 | ND<0.005  | ND<0.005  | ND<0.005      | ND<0.015      | ND<25     |
| 12/19/2012 | BT-1d3, 4         | EGS    | ND<4.0*  | ND<0.02*  | ND<0.02*  | ND<0.02*      | ND<0.02*      | ND<0.02*  |
| 12/19/2012 | BT-2d5,5.5,9      | EGS    |          |           |           |               |               |           |
| 12/19/2012 | BT-3d3,4,5,6      | EGS    |          |           |           |               |               |           |
| 12/19/2012 | BT-3d8,8.5,11     | EGS    |          |           |           |               |               |           |
| 12/19/2012 | BT-3d11.5,16,16.5 | EGS    |          |           |           |               |               |           |
| 12/19/2012 | BT-4d6.5,7,9      | EGS    |          |           |           |               |               |           |
| 12/19/2012 | BT-4d14.5,16      | EGS    |          |           |           |               |               |           |

NOTES: Source data prior to October 2011 from ECON, ECA, Sierra, Hilmer, and Herzog

ND = Not Detected above reported detection limit, NA = Not Analyzed

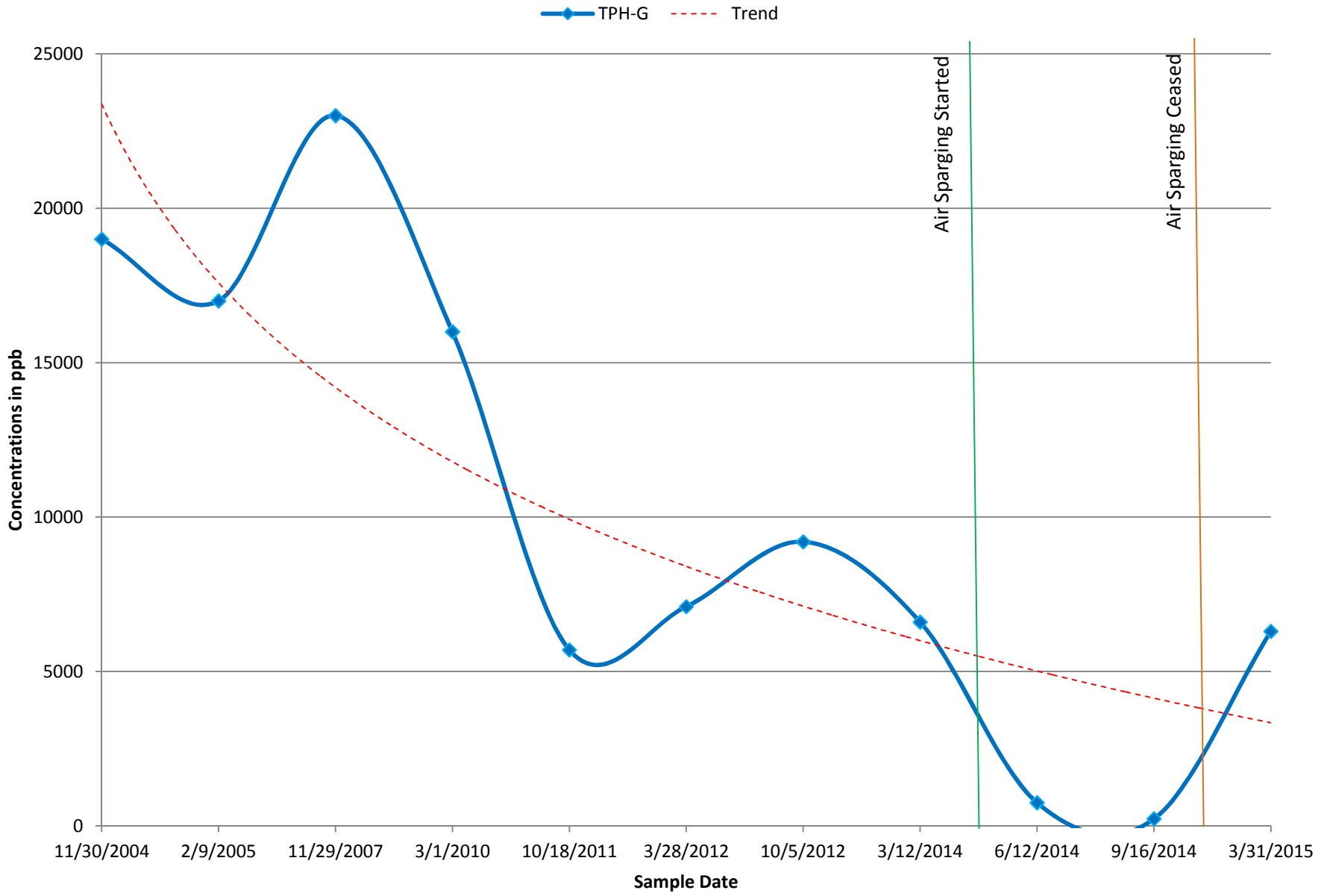
Reported units are in parts per million (or ppm, mg/kg).

\* = BT Soil Borings were batched by the laboratory for analysis and testing during the CAP Bench Test

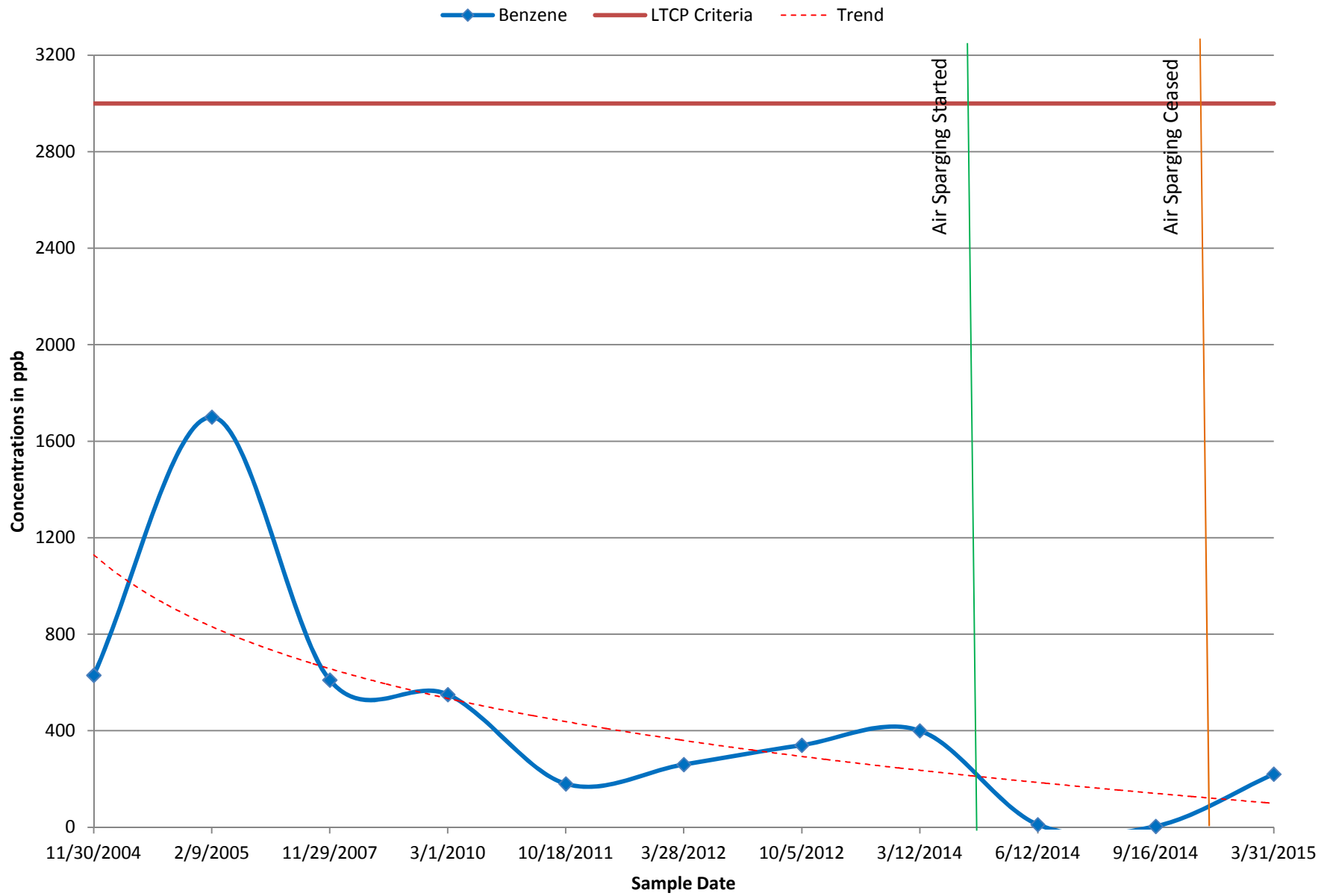
## **APPENDIX C**

### ***Historic Concentration Trend Charts***

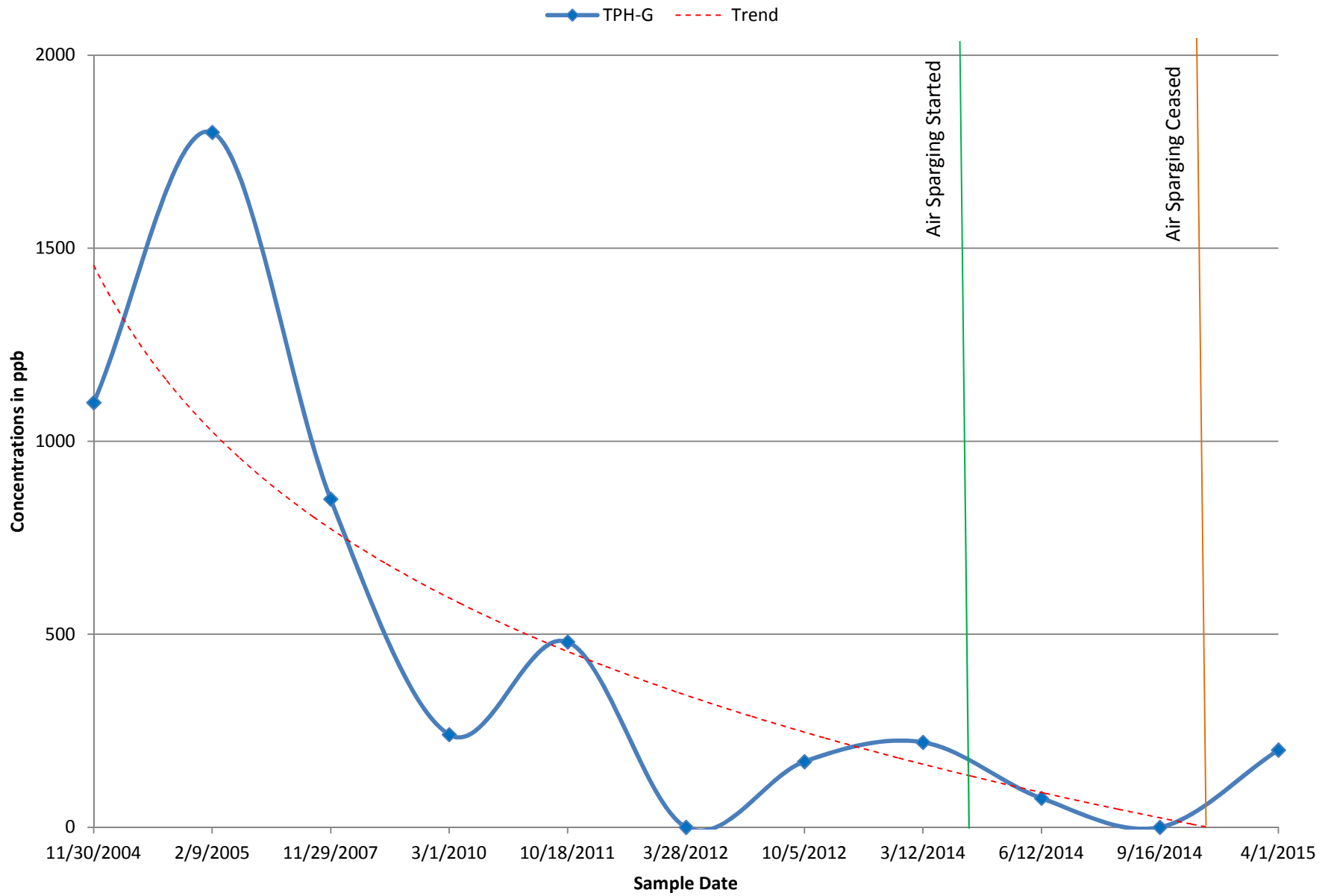
Chart 1: Historic Concentration Trend for TPH-G in MW-3s



### Chart 2: Historic Concentration Trend for Benzene in MW-3s

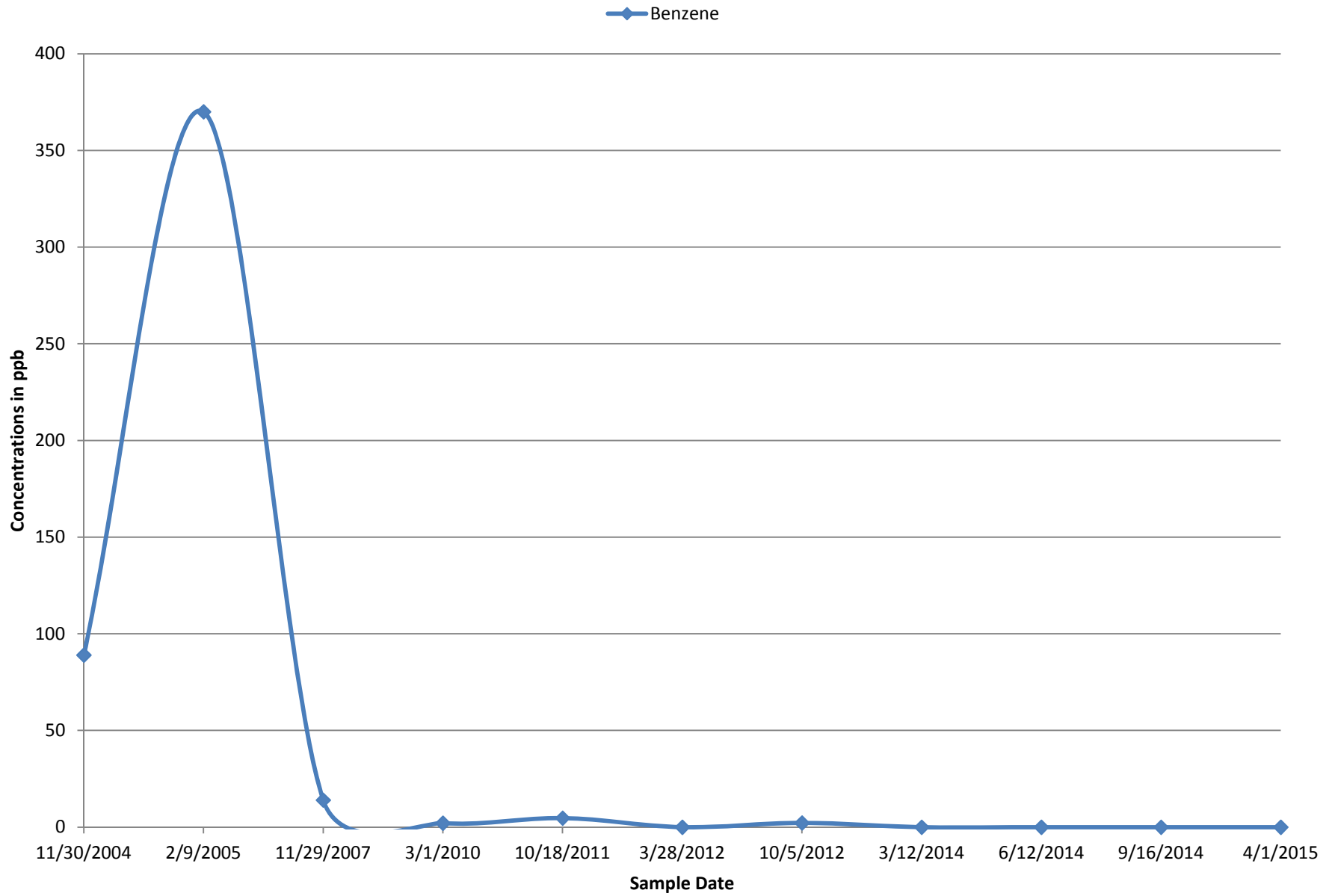


**Chart 3: Historic Concentration Trend for TPH-G in MW-3d**



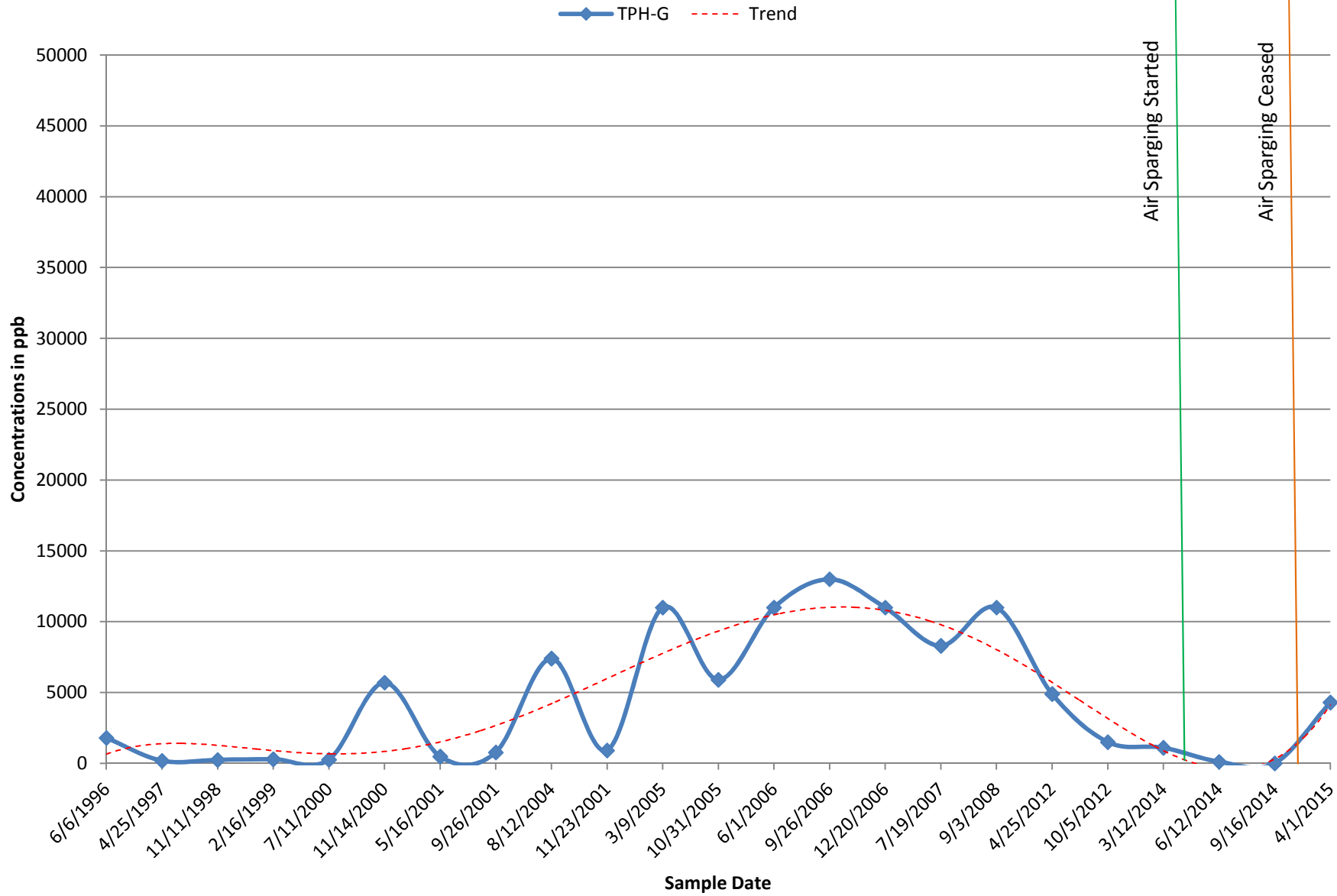


**Chart 4: Historic Concentration Trend for Benzene in MW-3d**



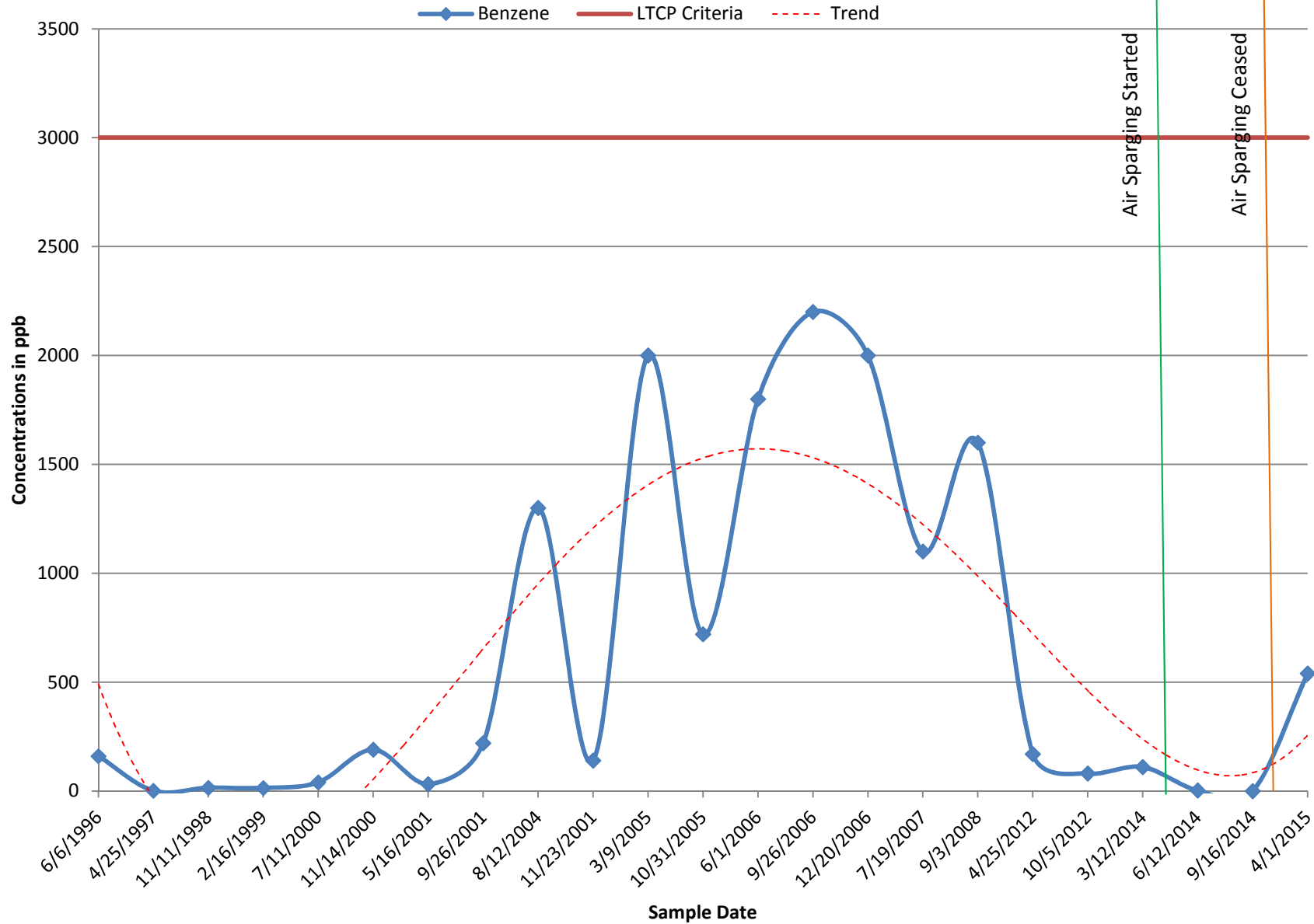
### Chart 5: Historic Concentration Trend for TPH-G in B-15

The highest (initial) concentration of 45,000 ppb detected in June 1990 was removed for improved data representation.



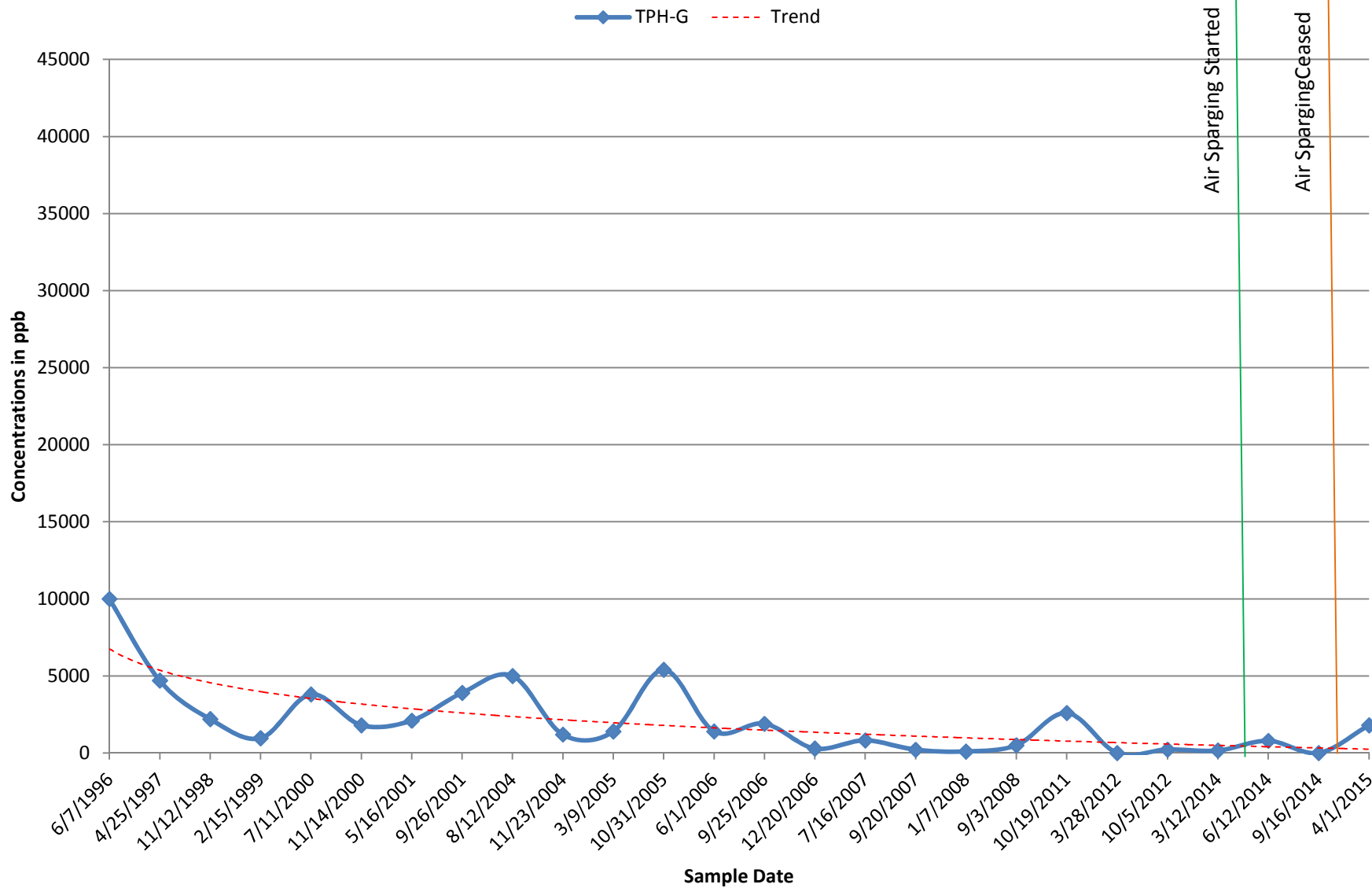
### Chart 6: Historic Concentration Trend for Benzene in B-15

The highest (initial) concentration of 12,000 ppb detected in June 1990 was removed for improved data representation.



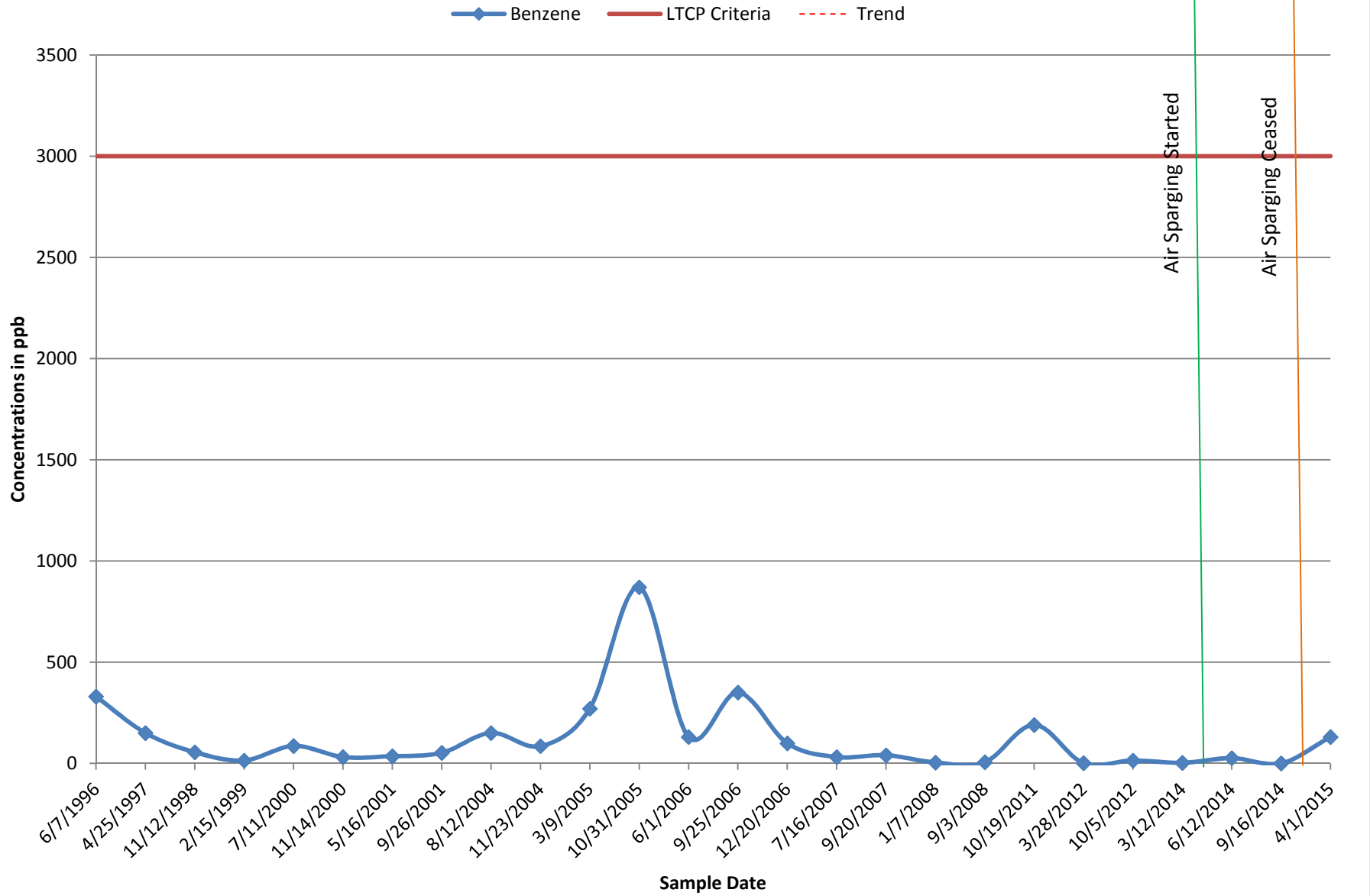
### Chart 7: Historic Concentration Trend for TPH-G in B-16

The highest (initial) concentration of 43,000 ppb detected in December 1989 was removed for improved data representation.



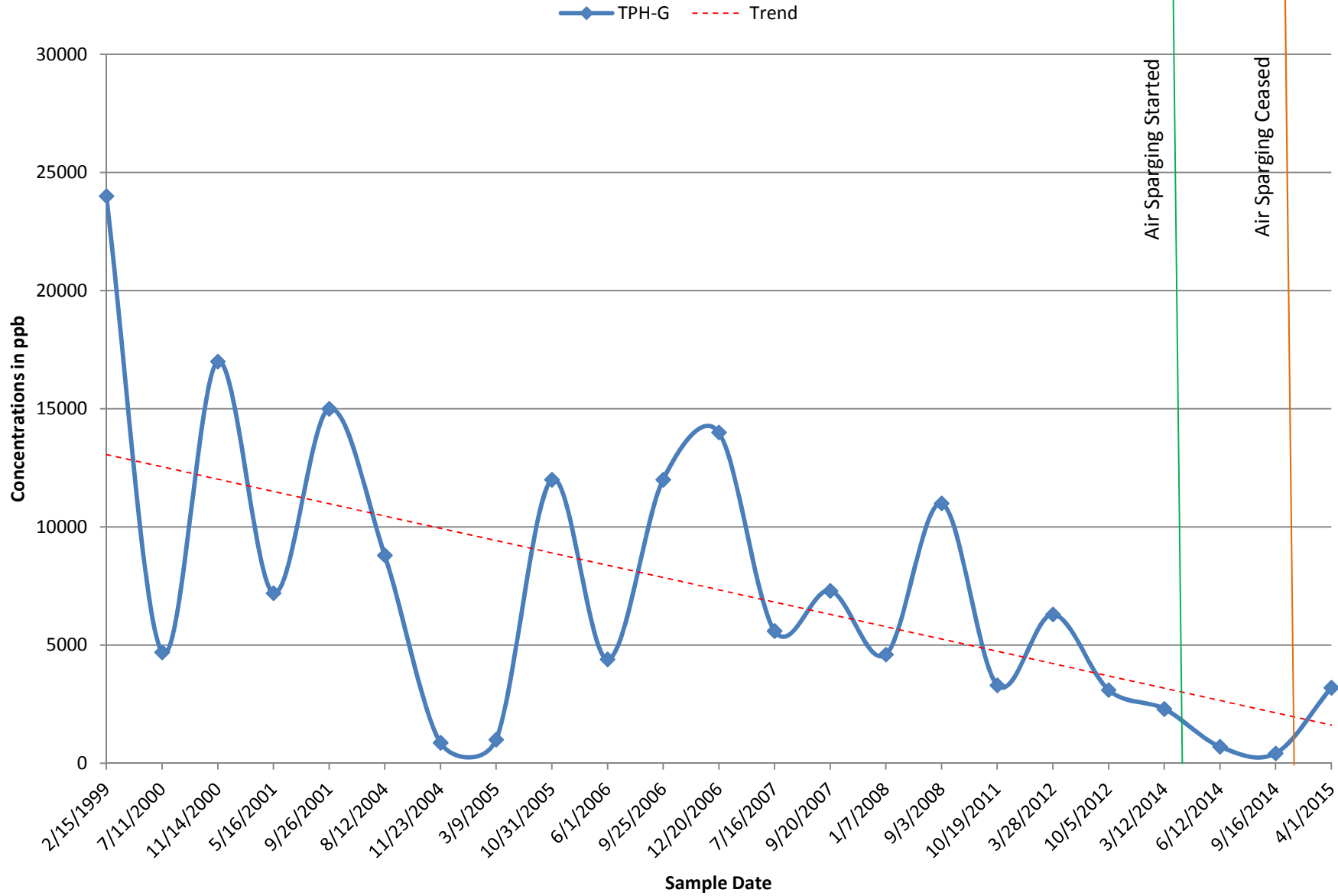
### Chart 8: Historic Concentration Trend for Benzene in B-16

The highest (initial) concentration of 10,000 ppb detected in December 1989 was removed for improved data representation.



### Chart 9: Historic Concentration Trend for TPH-G in B-17

The highest (initial) concentration of 49,000 ppb detected in November 1998 was removed for improved data representation.



**Chart 10: Historic Concentration Trend for Benzene in B-17**

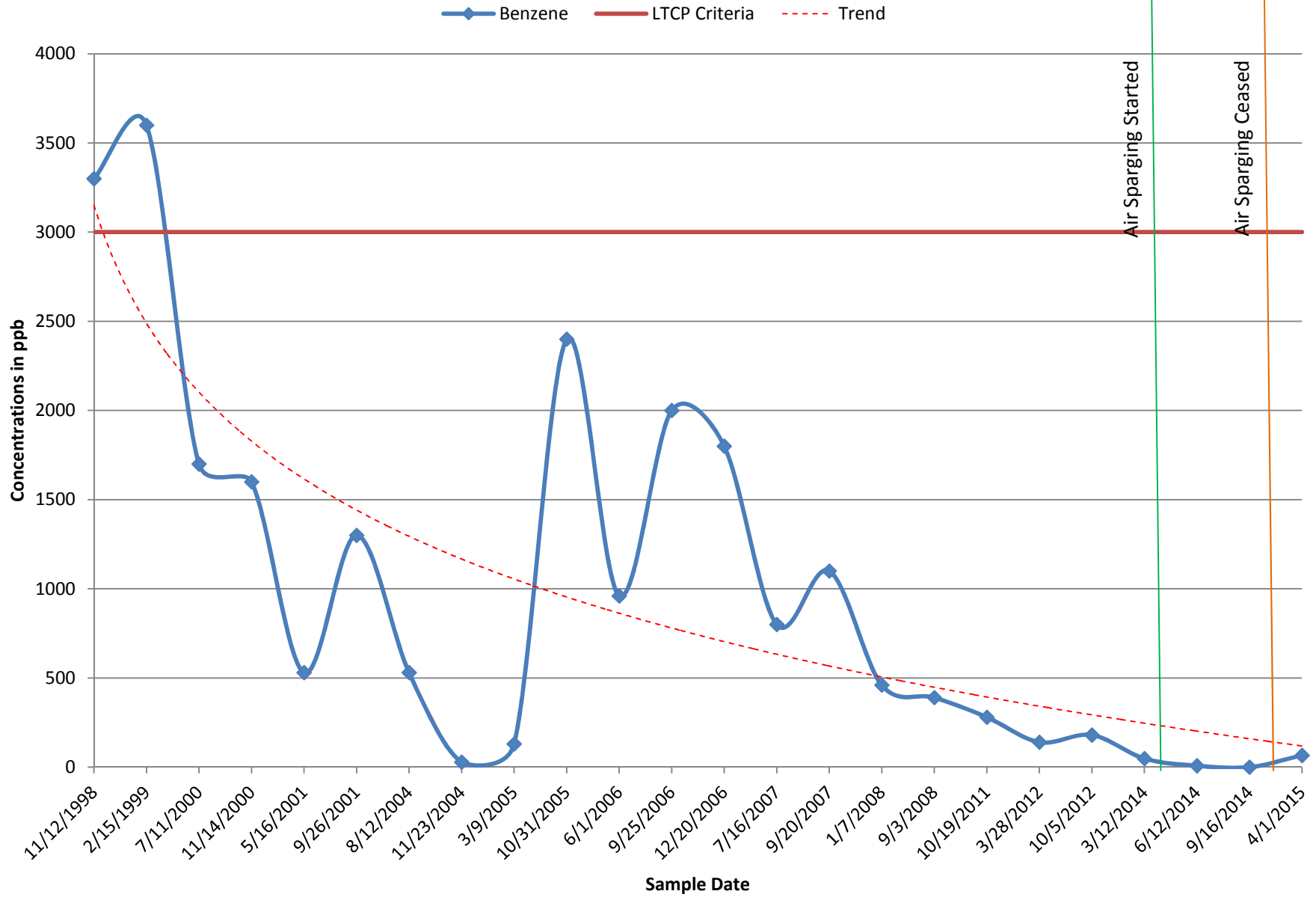
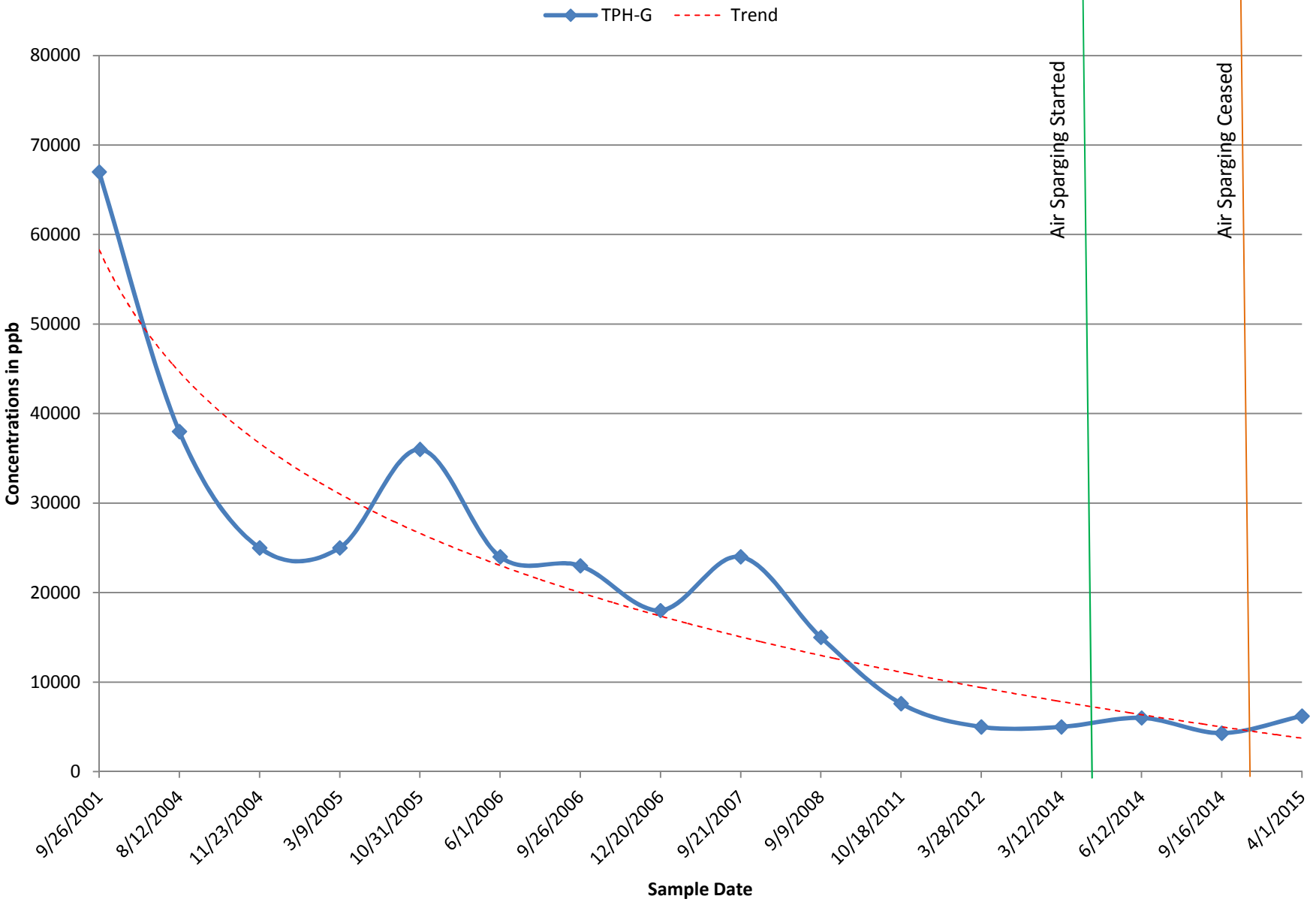
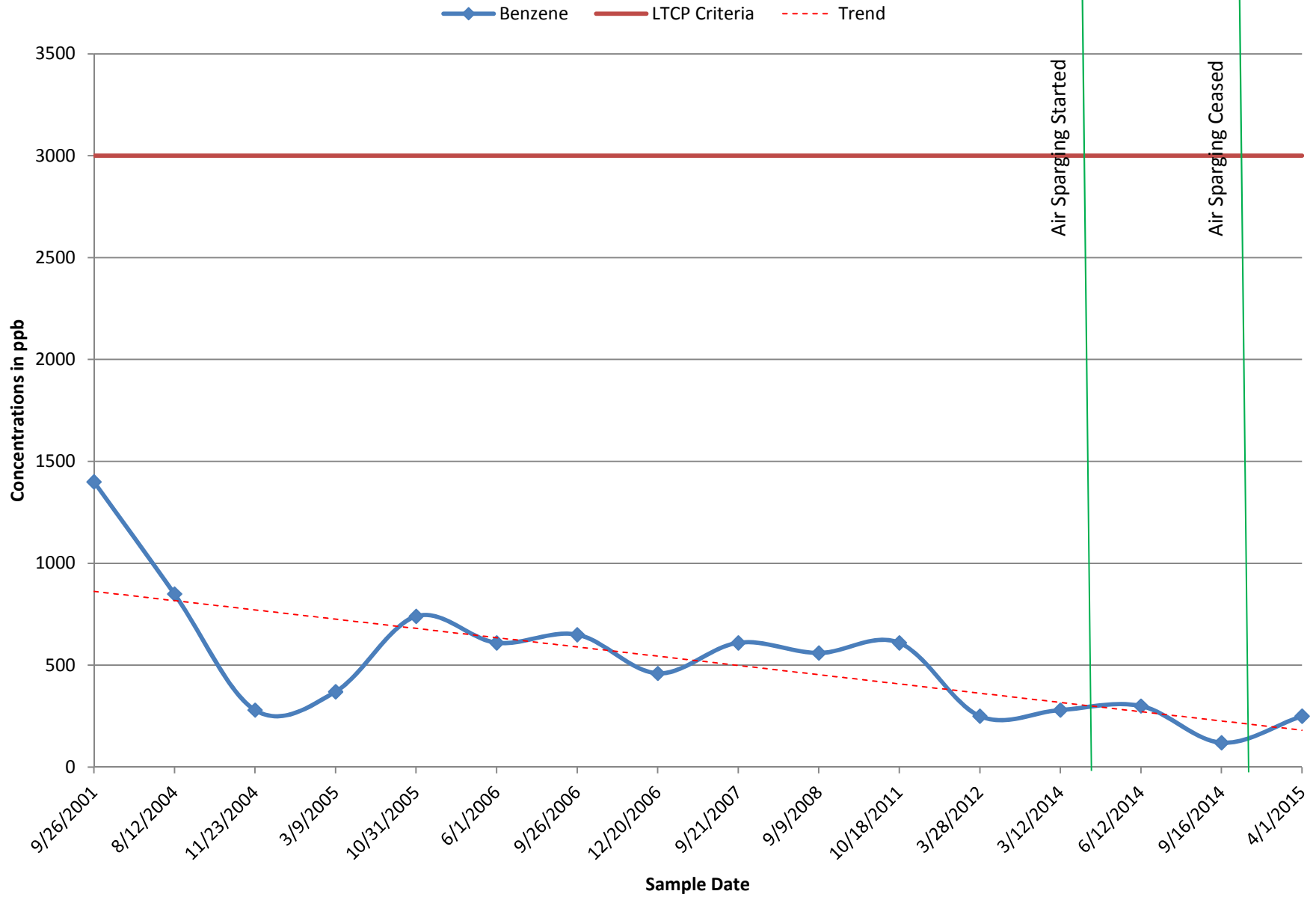


Chart 11: Historic Concentration Trend for TPH-G in B-27





**Chart 12: Historic Concentration Trend for Benzene in B-27**



# **APPENDIX D**

## ***Boring Logs***

| LABORATORY TESTS | FIELD TESTS | SAMPLER TYPE | SAMPLE RECOVERY % | MOISTURE CONTENT % | DRY DENSITY (PCF) | BLOWS PER FOOT | DEPTH (FT) | SYMBOL |
|------------------|-------------|--------------|-------------------|--------------------|-------------------|----------------|------------|--------|
|                  | 15          | MC           | 70%               |                    |                   | 22             | 5          |        |
|                  | 6           | MC           | 90%               |                    |                   | 24             | 10         |        |
|                  | 5           | MC           | 100%              |                    |                   | 13             | 15         |        |
| XX               | 7           | MC           | 100%              |                    |                   | 27             | 20         |        |
|                  | 6           | MC           | 100%              |                    |                   | 12             | 25         |        |
| XX               | 11          | MC           | 100%              |                    |                   | 20             | 30         |        |
|                  | 10          | MC           | 80%               |                    |                   | 47             | 35         |        |
|                  |             |              |                   |                    |                   |                | 40         |        |
|                  |             |              |                   |                    |                   |                | 45         |        |

## MATERIAL DESCRIPTION

4 / 27 / 1990

8 - INCH HOLLOW AUGER

EXISTING GROUND SURFACE

GREY BROWN SILTY GRAVEL (GM), compact, dry (FILL)

DARK BROWN SANDY AND CLAYEY SILT (ML), semcompact, moist, in part FILL

TAN BROWN MOTTLED GREY AND ORANGE WITH LOCAL BLACK STAINING SANDY CLAY AND CLAYEY SILT (CL/ML), stiff and very stiff, moist to very moist

local lenses of CLAYEY VERY FINE TO MEDIUM SAND (SC), semcompact, very moist/wet

BROWN SLIGHTLY CLAYEY SAND (SC/SW), compact, wet to saturated interlayered with BROWN SANDY GRAVEL (GW), dense, saturated

BOREHOLE CONTINUED

**HILMER CONSULTING**  
 ENVIRONMENTAL / GEOTECHNICAL  
 SANTA ROSA, CALIFORNIA

JOB NO  
 P133.1  
 BY  
 EAH  
 LICENSE  
 CEG# 12184

**LOG OF BOREHOLE # MW-2**

HILSMAN TRUCKING  
 325 YOLANDA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE

3

| LABORATORY TESTS | FIELD TESTS | SAMPLER TYPE | SAMPLE RECOVERY % | MOISTURE CONTENT % | DRY DENSITY (PCF) | BLOWS PER FOOT | DEPTH (FT) | SYMBOL | MATERIAL DESCRIPTION  |  |
|------------------|-------------|--------------|-------------------|--------------------|-------------------|----------------|------------|--------|---|--|
|                  |             |              |                   |                    |                   |                |            |        | EXISTING GROUND SURFACE   | 4 / 27 / 1980<br>8 - INCH HOLLOW AUGER |
|                  |             |              |                   |                    |                   |                | 45         |        | BROWN SLIGHTLY CLAYEY SAND (SC/SW), compact, wet to saturated interlayered with BROWN SANDY GRAVEL (GW), dense, saturated   |  |
|                  |             |              |                   |                    |                   |                | 50         |        | local lenses of SANDY CLAY  |  |
|                  |             |              |                   |                    |                   |                | 55         |        | *** : HYDROCARBON READING USING A PHOTOVAC TIP (PHOTO IONIZATION METER). READINGS TAKEN AT A DEPTH OF TWO FEET INSIDE OF THE HOLLOW AUGER USING 'HIGH' SENSITIVITY SETTING WITH A 10.6 EV BULB. |  |
|                  |             |              |                   |                    |                   |                | 60         |        |   |  |
|                  |             |              |                   |                    |                   |                | 65         |        |   |  |
|                  |             |              |                   |                    |                   |                | 70         |        |   |  |
|                  |             |              |                   |                    |                   |                | 75         |        |   |  |
|                  |             |              |                   |                    |                   |                | 80         |        |   |  |
|                  |             |              |                   |                    |                   |                | 85         |        |   |  |

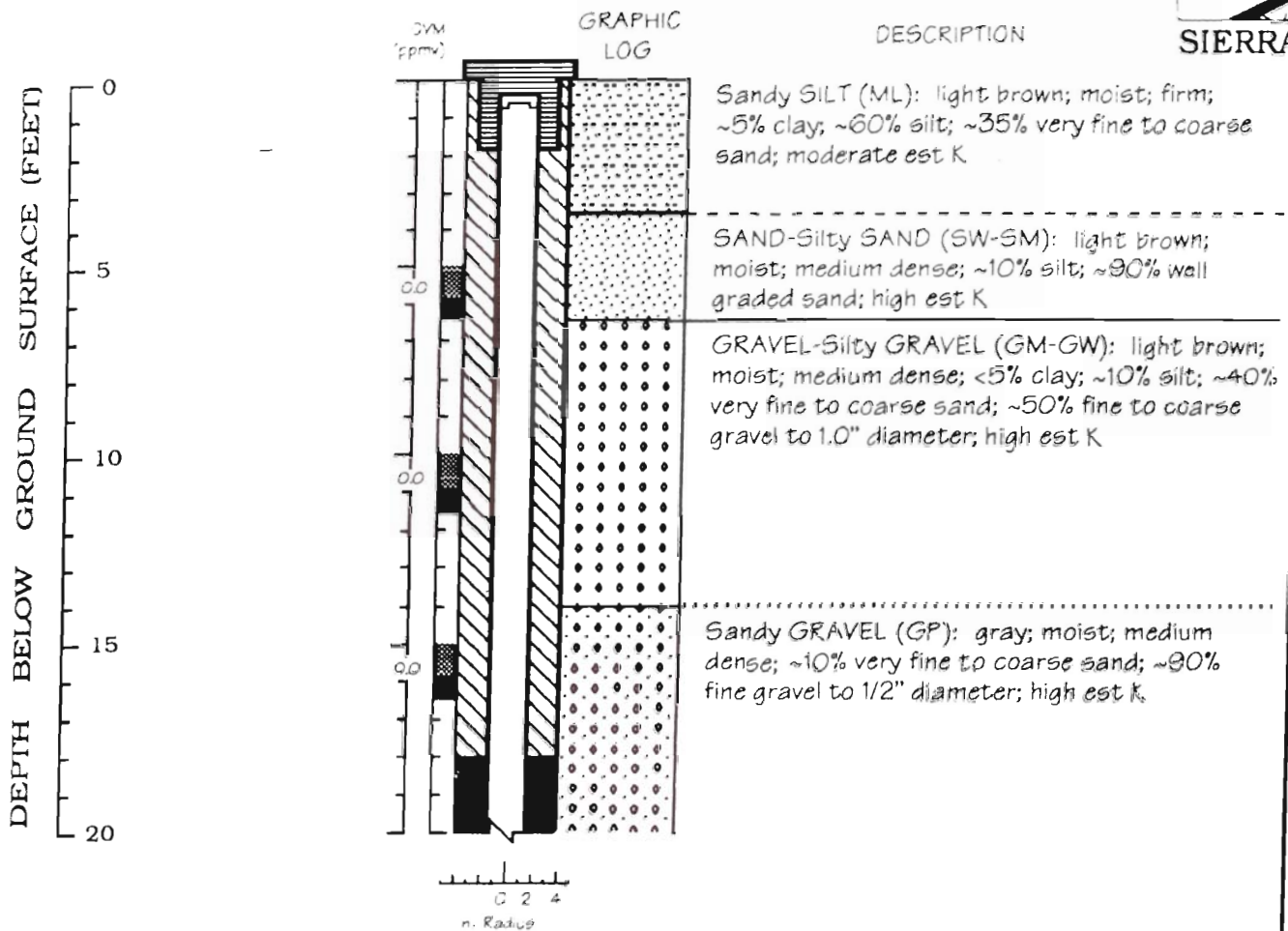
**HILMER**  
**CONSULTING**  
 ENVIRONMENTAL / GEOTECHNICAL  
 SANTA ROSA, CALIFORNIA

JOB NO  
 P133.1  
 BY  
 EAH  
 LICENSE  
 CEG# 12184

**LOG OF BOREHOLE # MW - 2**  
 HULSMAN TRUCKING  
 325 YOLANDA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
**3B**

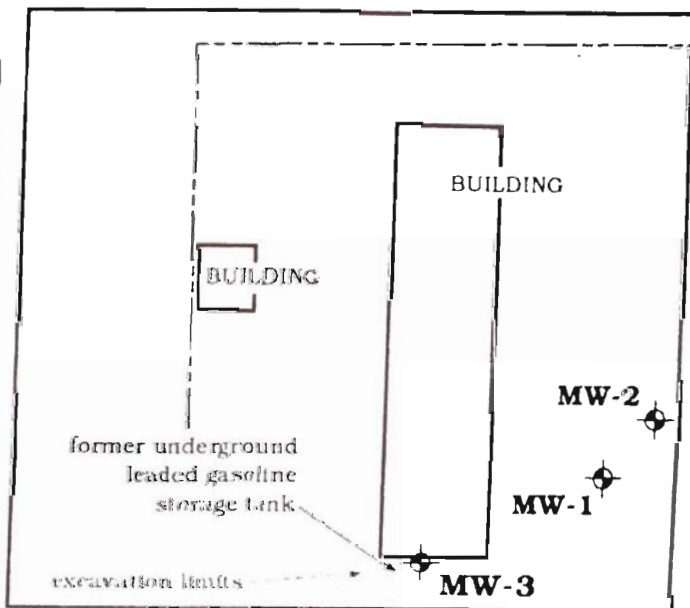
# WELL MW-3



## Well Construction and Boring Log - Well MW-3

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

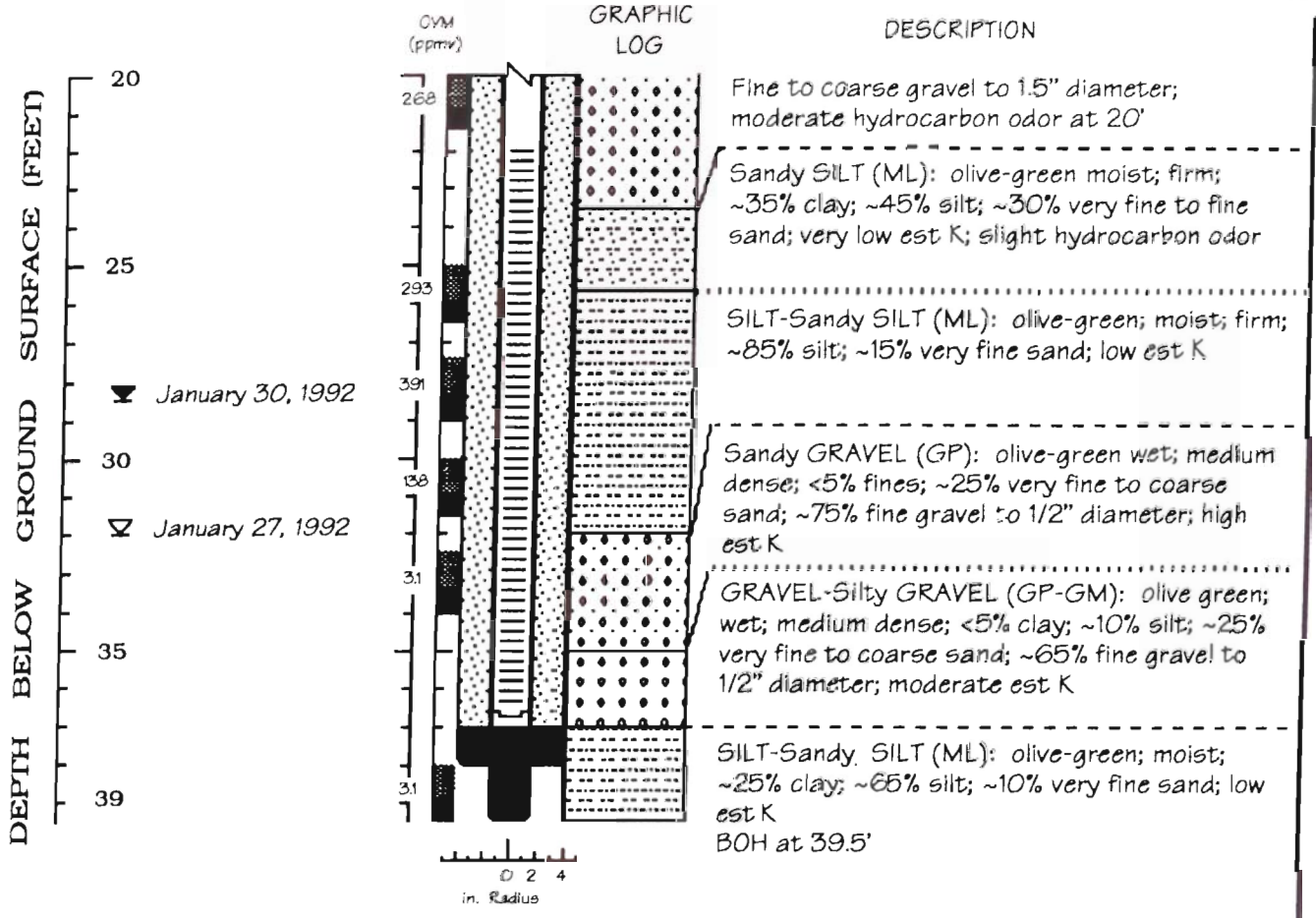
Logged by: Eric Gross  
Supervisor: R. Greenfelder RG#003011  
Drilling Company: Clear Heart Drilling  
C-57#: 467904  
Driller: Tim Teller  
Drilling Method: Hollow stem auger  
Date Drilled: January 27, 1992  
Well Head Completion: Locking cap & traffic-rated well  
Type of sampler: Split spoon (2" ID)



# WELL MW-3 (continued)



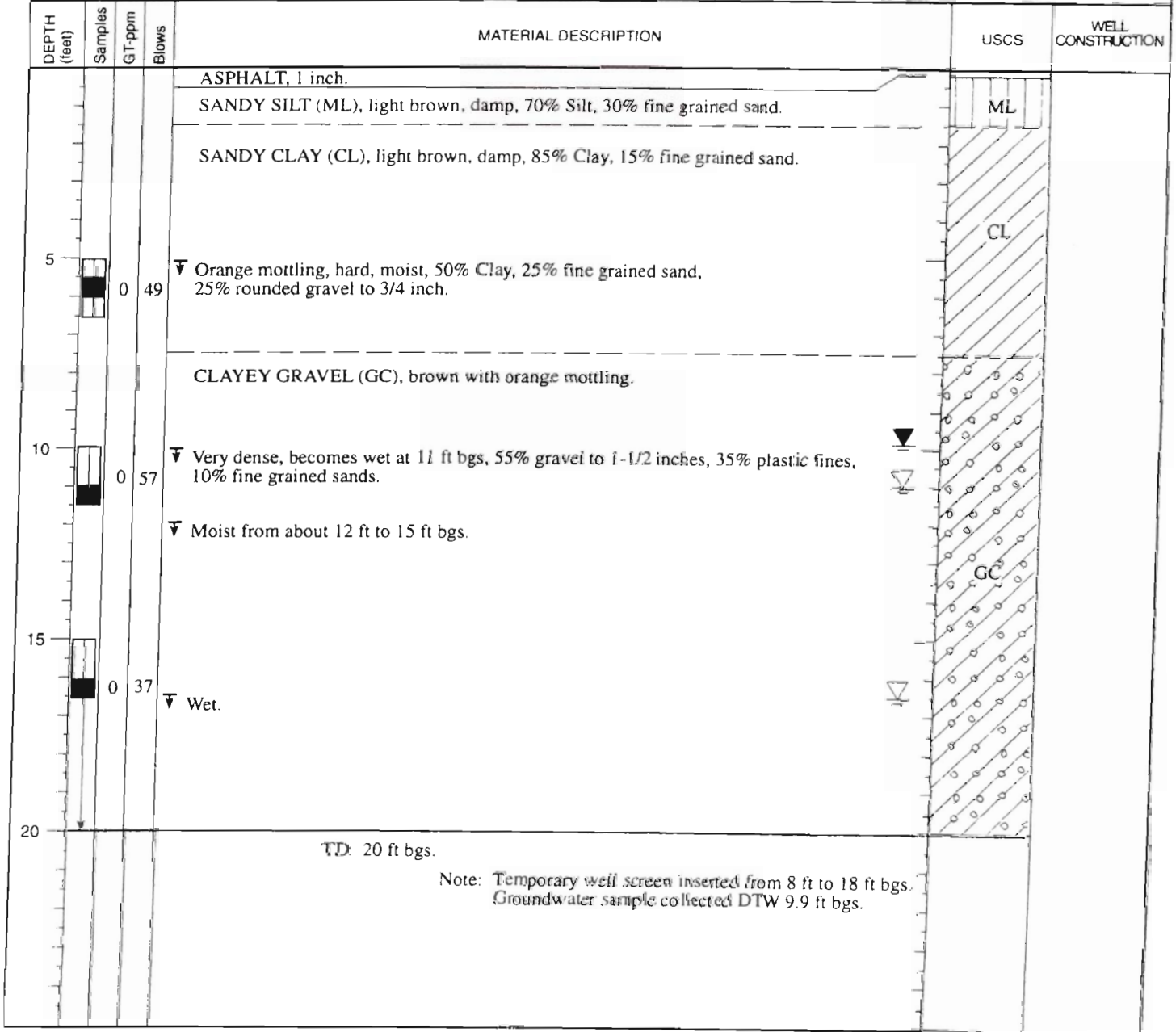
**SIERRA**



**Well Construction and Boring Log -  
Well MW-3**

Hulsman Transportation  
325 Yolanda Avenue  
Santa Rosa, California

|   |  |   |  |                     |  |             |  |                               |  |
|---|--|---|--|---------------------|--|-------------|--|-------------------------------|--|
| BORING LOCATION   |  | 325 Yolanda Ave (West of former UST)    |  | ELEVATION AND DATUM |  | BORING NO   |  | HB-1                          |  |
| DRILLING AGENCY   |  | Clear Heart, LLC                        |  | DRILLER             |  | I. G.       |  | DATE STARTED<br>DATE FINISHED |  |
|   |  |   |  |                     |  | 20 May 98   |  | → 20 May 98                   |  |
| DRILLING EQUIPMENT  |  | Truck Mounted Drill Rig / 140 lb hammer |  | COMPLETION DEPTH    |  | 20 feet     |  | SAMPLER                       |  |
|   |  |   |  |                     |  |             |  | Split Spoon                   |  |
| DRILLING METHOD   |  | Solid Flight Auger                      |  | BORING DIA.         |  | 4 inches    |  | NO. OF SAMPLES                |  |
|   |  |   |  |                     |  |             |  | 3 Soil & 1 Groundwater        |  |
| SIZE AND TYPE OF CASING   |  | — NA                                    |  | FROM — NA TO — NA   |  | WATER LEVEL |  | FIRST 11' bgs                 |  |
|   |  |   |  |                     |  |             |  | BEFORE SAMPLE                 |  |
|   |  |   |  |                     |  |             |  | 9.9' bgs                      |  |
| TYPE OF PERFORATION   |  | — NA                                    |  | FROM — NA TO — NA   |  | CORE BARREL |  | 2.5 inch φ                    |  |
|   |  |   |  |                     |  |             |  | LENGTH                        |  |
|   |  |   |  |                     |  |             |  | 18 inches                     |  |
| SIZE AND TYPE OF PACK   |  | — NA                                    |  | FROM — NA TO — NA   |  | LOGGED BY:  |  | EC&A, JC                      |  |
|   |  |   |  |                     |  |             |  | CHECKED BY:                   |  |
|   |  |   |  |                     |  |             |  | CYP                           |  |
| TYPE OF SEAL  |  | NO. 1 — NA                              |  | FROM — NA TO — NA   |  | COMMENTS    |  |                               |  |
|   |  | NO. 2 — NA                              |  | FROM — NA TO — NA   |  |             |  |                               |  |
| Soil samples field-screened with Gastechtor Combustion Meter (GT). Results reported in parts per million (ppm). |  |   |  |                     |  |             |  |                               |  |



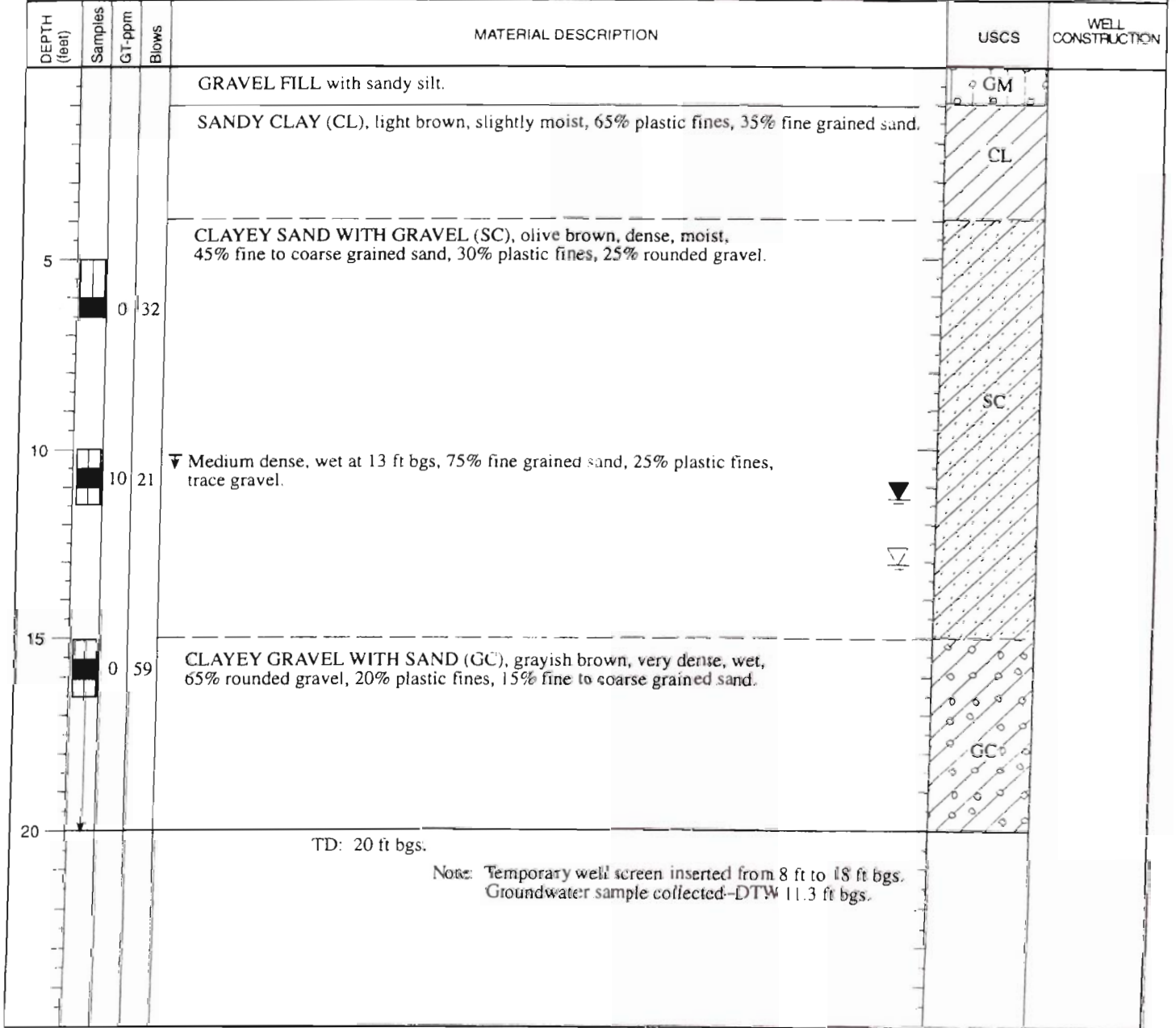
**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

LOG OF BORING HB-1  
Hulsman Transportation Company  
325 Yolanda Avenue  
Santa Rosa, California

PLATE  
3

|            |             |             |     |      |            |         |                  |
|------------|-------------|-------------|-----|------|------------|---------|------------------|
| JOB NUMBER | 0298.001.97 | REVIEWED BY | CYP | DATE | October 98 | REVISED | SHEET NO. 1 of 1 |
|------------|-------------|-------------|-----|------|------------|---------|------------------|

|                         |  |   |  |                     |  |   |  |                               |  |
|-------------------------|--|---|--|---------------------|--|---|--|-------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Avenue                      |  | ELEVATION AND DATUM |  | BORING NO   |  | HB-3                          |  |
| DRILLING AGENCY         |  | Clear Heart, LLC                        |  | DRILLER             |  | I. G.   |  | DATE STARTED<br>DATE FINISHED |  |
|                         |  |   |  |                     |  | 20 May 98   |  | → 20 May 98                   |  |
| DRILLING EQUIPMENT      |  | Truck Mounted Drill Rig / 140 lb hammer |  | COMPLETION DEPTH    |  | 20 feet   |  | SAMPLER                       |  |
|                         |  |   |  |                     |  |   |  | Split Spoon                   |  |
| DRILLING METHOD         |  | Solid Flight Auger                      |  | BORING DIA.         |  | 4 inches  |  | NO. OF SAMPLES                |  |
|                         |  |   |  |                     |  |   |  | 3 Soil & 1 Groundwater        |  |
| SIZE AND TYPE OF CASING |  | — NA                                    |  | FROM — NA TO — NA   |  | WATER LEVEL   |  | FIRST 13' bgs                 |  |
|                         |  |   |  |                     |  |   |  | BEFORE SAMPLE                 |  |
|                         |  |   |  |                     |  |   |  | 11.3' bgs                     |  |
| TYPE OF PERFORATION     |  | — NA                                    |  | FROM — NA TO — NA   |  | CORE BARREL   |  | 2.5 inch φ                    |  |
|                         |  |   |  |                     |  |   |  | LENGTH                        |  |
|                         |  |   |  |                     |  |   |  | 18 inches                     |  |
| SIZE AND TYPE OF PACK   |  | — NA                                    |  | FROM — NA TO — NA   |  | LOGGED BY:  |  | EC&A, JC                      |  |
|                         |  |   |  |                     |  |   |  | CHECKED BY: CYP               |  |
| TYPE OF SEAL            |  | NO. 1 — NA                              |  | FROM — NA TO — NA   |  | COMMENTS Soil samples field-screened with Gastehtor Combustion Meter (GT). Results reported in parts per million (ppm). |  |                               |  |
|                         |  | NO. 2 — NA                              |  | FROM — NA TO — NA   |  |   |  |                               |  |



**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

LOG OF BORING HB-3  
Hulsman Transportation Company  
325 Yolanda Avenue  
Santa Rosa, California

PLATE

5

|            |             |             |     |      |            |         |  |           |        |
|------------|-------------|-------------|-----|------|------------|---------|--|-----------|--------|
| JOB NUMBER | 0298,001.97 | REVIEWED BY | CYP | DATE | October 98 | REVISED |  | SHEET NO. | 1 of 1 |
|------------|-------------|-------------|-----|------|------------|---------|--|-----------|--------|



|                         |  |   |  |                                     |  |                                   |  |
|-------------------------|--|---|--|-------------------------------------|--|-----------------------------------|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (asphalt west of of dock, 63x82 ft off bldg) |  | ELEVATION AND DATUM<br>Ground Level |  | BORING NO<br>EB-2                 |  |
| DRILLING AGENCY         |  | Clear Heart, LLC  |  | DATE/TIME STARTED                   |  | DATE/TIME FINISHED                |  |
|                         |  | GRILLER   |  | 10 Apr 01                           |  | 10 Apr 01                         |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                                |  | COMPLETION DEPTH                    |  | SAMPLING DEVICE                   |  |
|                         |  |   |  | 19.0 ft                             |  | Split Spoon                       |  |
| DRILLING METHOD         |  | Solid Flight Auger  |  | BORING DIA.                         |  | CORE BARREL                       |  |
|                         |  | 4 inches  |  | 2.5 inch $\phi$                     |  | LENGTH                            |  |
| SIZE AND TYPE OF CASING |  | FROM  |  | TO                                  |  | TYPE AND NO. OF SAMPLES           |  |
|                         |  |   |  |                                     |  | 1 Composite Soil<br>1 Groundwater |  |
| TYPE OF PERFORATION     |  | FROM  |  | TO                                  |  | LOGGED BY                         |  |
|                         |  |   |  |                                     |  | ASR                               |  |
| SIZE AND TYPE OF PACK   |  | FROM  |  | TO                                  |  | WATER FIRST LEVEL                 |  |
|                         |  |   |  |                                     |  | 17.0 ft bgs                       |  |
| TYPE OF SEAL            |  | NO. 1   |  | FROM                                |  | TO                                |  |
|                         |  | NO. 2   |  | FROM                                |  | TO                                |  |
|                         |  |   |  |                                     |  | COMMENTS                          |  |
|                         |  |   |  |                                     |  |                                   |  |

| DEPTH (feet) | Samples | Sample ID | Blows | MATERIAL DESCRIPTION  | USCS | WELL CONSTRUCTION |
|--------------|---------|-----------|-------|---|------|-------------------|
|              |         |           |       | Surface Condition: Asphalt/Gravel flat.   |      |                   |
|              |         |           |       | Asphalt over baserock/gravel fill to 0.5 ft. [Fill]   |      |                   |
| 5            |         |           |       | SILTY SAND (SM), brown (10YR 4/2) slightly moist, medium estimated permeability; ~70% poorly-graded fine- to medium-grained sand, ~30% silt; no fuel hydrocarbon odor.                                | SM   |                   |
|              |         |           |       | I Presence of gravel (driller contact).   |      |                   |
| 10           |         |           |       |   |      |                   |
|              |         |           |       | SILTY SANDY GRAVEL (GM), dark grayish-brown (10YR 4/2), medium to high estimated permeability; ~60% subrounded gravel up to 1.0 inch dia., ~25% fine- to medium-grained sand, ~15% silt; no FHC odor. | GM   |                   |
| 15           |         |           | 16    |   |      |                   |
|              |         | 16.0      | 28    |   |      |                   |
|              |         |           |       | Water Sample Collected (6 VOA's).<br>TD: 19.0 ft bgs  |      |                   |
| 20           |         |           |       |   |      |                   |

|                       |   |                        |   |          |                  |             |
|-----------------------|---|------------------------|---|----------|------------------|-------------|
| TRACE #318/RC/09NOV01 | <b>ECON</b><br>Environment, Community & Opportunity Network |                        | <b>SOIL BORING LOG EB-2</b><br>Helsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |          |                  | FIGURE<br>5 |
|                       | REFERENCE: Helsman Transport<br>Santa Rosa                  | REVIEWER: Andy Rodgers | DATE: November 2001   | REVISED: | SHEET NO. 1 of 1 |             |

DRAFT

| DEPTH IN FEET | SAMPLE |      |          | DESCRIPTION   | WELL CONSTRUCTION              |
|---------------|--------|------|----------|---|--------------------------------|
|               | NUMBER | TYPE | LOCATION |   |                                |
| 2             |        |      |          | 2.0 inches: Asphalt   | CONCRETE                       |
| 4             |        |      |          | 2.0 inches to 2.5 feet: Brown <u>silty sand</u> , moderate <u>clay</u> , damp.          |                                |
| 6             |        |      |          | 2.5 to 5.5 feet: Tan, <u>silty sand</u> , moist, 10% clay, crumbly to slightly plastic. | 2" Ø PVC PIPE<br>BENTONITE     |
| 8             |        |      |          | 5.5 to 10.5 feet: Brown, <u>silty clay</u> , moist.                                     |                                |
| 10            |        |      |          | 10.5 to 18.0 feet: Gray-brown, <u>sand and gravel</u> , moist, slightly clayey.         | 2" PVC W/0.020" SLOTTED SCREEN |
| 12            |        |      |          |   |                                |
| 14            |        |      |          |   | #3 SAND                        |
| 16            |        |      |          |   |                                |
| 18            |        |      |          | 18.0 to 25.0 feet: Brown-gray, fine-grained, sandy <u>gravel</u> , slight clay, moist.  |                                |
| 20            |        |      |          | Gasoline odor at 23.0 feet.   |                                |
| 22            |        |      |          |   |                                |
| 24            |        |      |          |   |                                |
| 26            |        |      |          | End of boring at 25.0 feet.   |                                |
| 28            |        |      |          |   |                                |

**IT Enviroscience**

1815 Arnold Drive • Martinez, CA 94553  
Telephone (415) 228-8400

MALM METAL PRODUCTS  
2640 SANTA ROSA AVENUE  
SANTA ROSA, CALIFORNIA

PLATE

3

PREPARED BY : MMH

LOG OF BORING NO. 15

CHECKED BY :

PROJECT NO. : 3019

DRAFT

WELL CONSTRUCTION

| DEPTH IN FEET | SAMPLE |      |          |      | DESCRIPTION  | WELL CONSTRUCTION |
|---------------|--------|------|----------|------|--|-------------------|
|               | NUMBER | TYPE | LOCATION | USCS |  |                   |
|               |        |      |          |      | 6.0 inches: Asphalt  |                   |
| 2             |        |      | Fill     |      | 6.0 inches to 2.0 feet: Fill   |                   |
| 4             |        |      | SM       |      | 2.0 to 7.5 feet: Medium brown, silty, gravelly sand, damp, slightly plastic clay fracture.         |                   |
| 6             |        |      |          |      |  |                   |
| 8             |        |      | CL       |      | 7.5 to 9.5 feet: Dark brown, stiff clay, dry to damp.  |                   |
| 10            |        |      | SP       |      | 9.5 to 25.0 feet: Brown, gravel and sand with some clay, dense, dry to damp. Slight gasoline odor. |                   |
| 12            |        |      |          |      |  |                   |
| 14            |        |      |          |      |  |                   |
| 16            |        |      |          |      | 16.5 to 18.0 feet: Clay lense.   |                   |
| 18            |        |      |          |      |  |                   |
| 20            |        |      |          |      |  |                   |
| 22            |        |      |          |      |  |                   |
| 24            |        |      |          |      |  |                   |
| 26            |        |      |          |      | End of boring at 25.0 feet.  |                   |
| 28            |        |      |          |      |  |                   |

CONCRETE  
 2" Ø PVC PIPE  
 BENTONITE  
 #3 SAND  
 2" PVC W/0.020" SLOTTED SCREEN

**IT Enviroscience**  
 1815 Arnold Drive • Martinez, CA 94553  
 Telephone (415) 228-8400

MALM METAL PRODUCTS  
 2640 SANTA ROSA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
  
**4**

PREPARED BY : MMH  
 CHECKED BY :

LOG OF BORING NO. 16  
 PROJECT NO. : 3019

DRAFT

| DEPTH IN FEET | SAMPLE |      |          |      | DESCRIPTION   | WELL CONSTRUCTION |
|---------------|--------|------|----------|------|---|-------------------|
|               | NUMBER | TYPE | LOCATION | USCS |   |                   |
|               |        |      |          |      | 6.0 inches: Asphalt   |                   |
| 2             |        |      |          | Fill | 6.0 inches to 2.0 feet: Fill  |                   |
| 4             |        |      |          | SM   | 2.0 to 8.0 feet: Medium brown, silty, gravelly sand, damp, slightly plastic.<br>Clay seam at 6.0 to 7.0 feet. |                   |
| 8             |        |      |          | CL   | 8.0 to 9.5 feet: Medium dark brown clay, stiff, dry to damp.  |                   |
| 10            |        |      |          | SP   | 9.5 to 25.0 feet: Brown, gravel and sand, with clay, slightly plastic, dry to damp, slight gasoline odor.     |                   |
| 12            |        |      |          |      |   |                   |
| 14            |        |      |          |      |   |                   |
| 16            |        |      |          |      |   |                   |
| 18            |        |      |          |      | Lense of gray-green sand at 19.0 to 21.0 feet.  |                   |
| 20            |        |      |          |      |   |                   |
| 22            |        |      |          |      |   |                   |
| 24            |        |      |          |      |   |                   |
| 26            |        |      |          |      | End of boring at 25.0 feet.   |                   |
| 28            |        |      |          |      |   |                   |

CONCRETE  
 2" PVC PIPE  
 BENTONITE  
 #3 SAND  
 2" PVC W/0.020" SLOTTED SCREEN

**IT Enviroscience**  
 1815 Arnold Drive • Martinez, CA 94553  
 Telephone (415) 228-8400

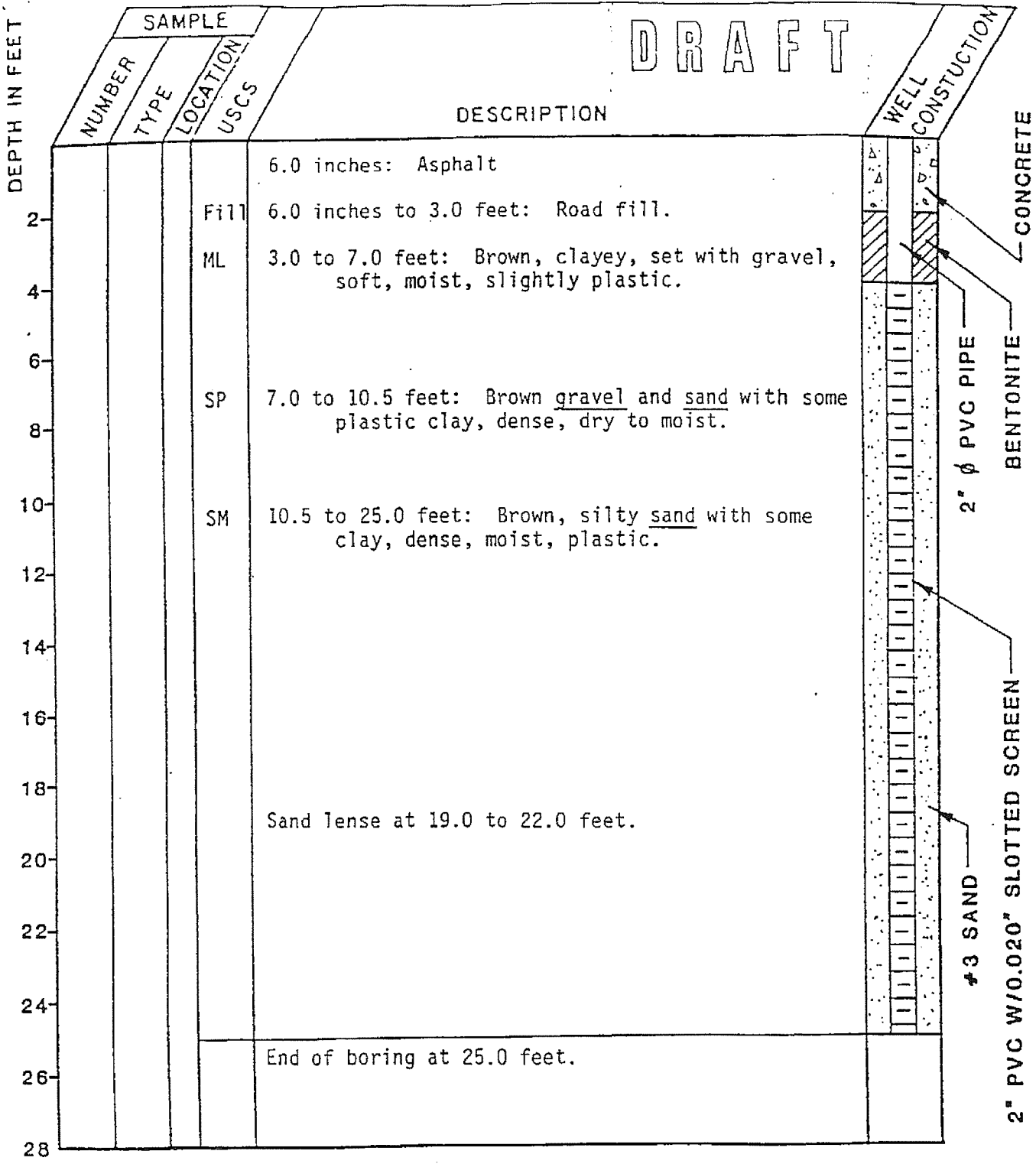
MALM METAL PRODUCTS  
 2640 SANTA ROSA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
**5**

PREPARED BY : MMH  
 CHECKED BY :

LOG OF BORING NO. 17  
 PROJECT NO. : 3019

# DRAFT



**IT Enviroscience**  
 1815 Arnold Drive • Martinez, CA 94553  
 Telephone (415) 228-8400

MALM METAL PRODUCTS  
 2640 SANTA ROSA AVENUE  
 SANTA ROSA, CALIFORNIA

PLATE  
  
7

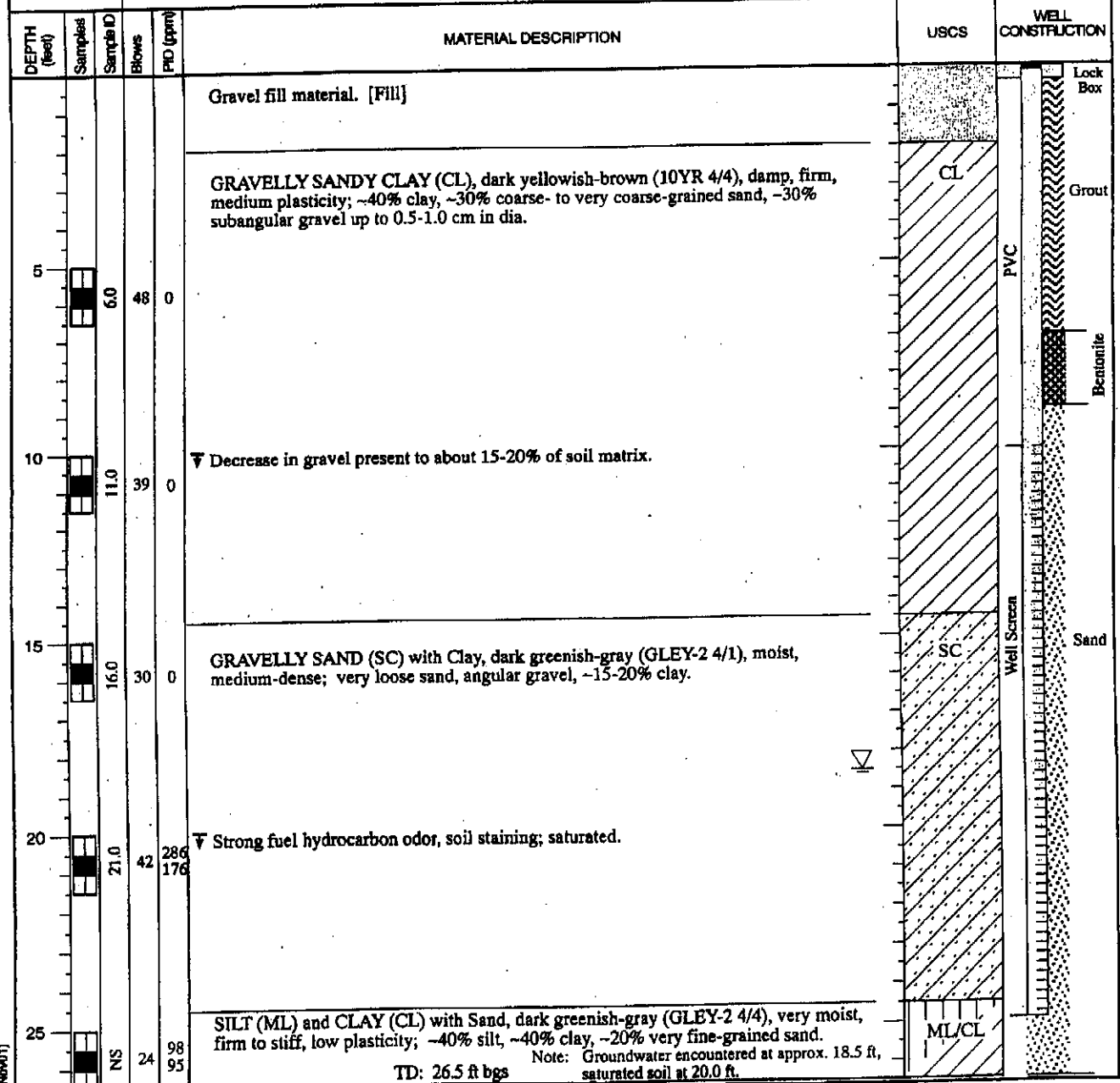
PREPARED BY : MMH

LOG OF BORING NO. 19

CHECKED BY :

PROJECT NO. : 3019

|                         |  |  |  |                       |  |                |  |                  |  |                         |  |  |  |             |  |   |  |
|-------------------------|--|--|--|-----------------------|--|----------------|--|------------------|--|-------------------------|--|--|--|-------------|--|---|--|
| BORING LOCATION         |  | 2640 Santa Rosa Ave (30 ft west of MW-3) |  | ELEVATION AND DATUM   |  | Ground Surface |  | BORING NO.       |  | B-27                    |  |  |  |             |  |   |  |
| DRILLING AGENCY         |  | Clear Heart, LLC                         |  | DRILLER               |  | Rick           |  | DATE STARTED     |  | 28 Aug 01               |  |  |  |             |  |   |  |
| DRILLING EQUIPMENT      |  | Deerock DR 10K Truck-mounted Rig         |  | DATE FINISHED         |  | 28 Aug 01      |  | COMPLETION DEPTH |  | 26.5 ft                 |  |  |  |             |  |   |  |
| DRILLING METHOD         |  | Hollow Stem Auger                        |  | BORING DIA.           |  | 8.0 inches     |  | SAMPLER          |  | CA Modified Split Spoon |  |  |  |             |  |   |  |
| SIZE AND TYPE OF CASING |  | 2 inch Schedule 40 PVC                   |  | FROM                  |  | 0.0 TO 25.0    |  | NO. OF SAMPLES   |  | 4 Soil                  |  |  |  |             |  |   |  |
| TYPE OF PERFORATION     |  | 0.10 Slotted                             |  | WATER LEVEL           |  | FIRST          |  | -18.5 ft         |  | MEASURED / SAMPLED      |  | None   |  |             |  |   |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Sand                               |  | FROM                  |  | 9.0 TO 26.5    |  | CORE BARREL      |  | 2.0 inch $\phi$         |  | LENGTH   |  | 18 inches   |  |   |  |
| TYPE OF SEAL            |  | NO. 1                                    |  | Bentonite Pellets     |  | FROM           |  | 7.0 TO 9.0       |  | LOGGED BY:              |  | BLW  |  | CHECKED BY: |  | — |  |
|                         |  | NO. 2                                    |  | Portland Cement Grout |  | FROM           |  | 0.0 TO 7.0       |  | COMMENTS                |  | Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). Blows by 40 lb hammer, 40 inch drop. |  |             |  |   |  |



TRACE #261/FGZ77Nov01

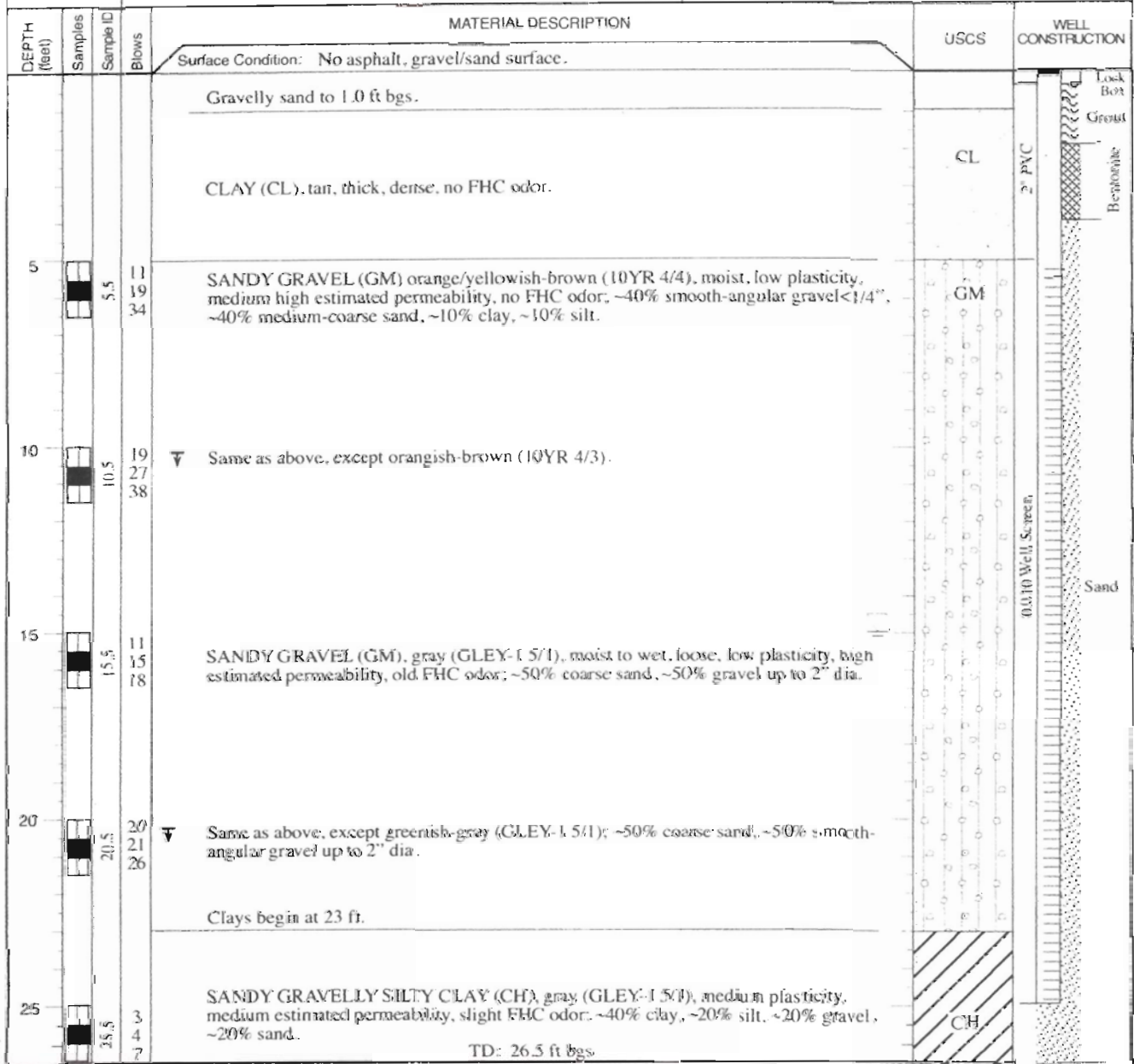
**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF SOIL BORING B-27**  
2640 Santa Rosa Avenue  
Santa Rosa, California

PLATE  
7

|            |             |             |                         |            |                |         |  |           |        |
|------------|-------------|-------------|-------------------------|------------|----------------|---------|--|-----------|--------|
| JOB NUMBER | 0266,002.96 | REVIEWED BY | EC&A, Elizabeth Carruth | DATE DRAWN | September 2001 | REVISED |  | SHEET NO. | 1 of 1 |
|------------|-------------|-------------|-------------------------|------------|----------------|---------|--|-----------|--------|

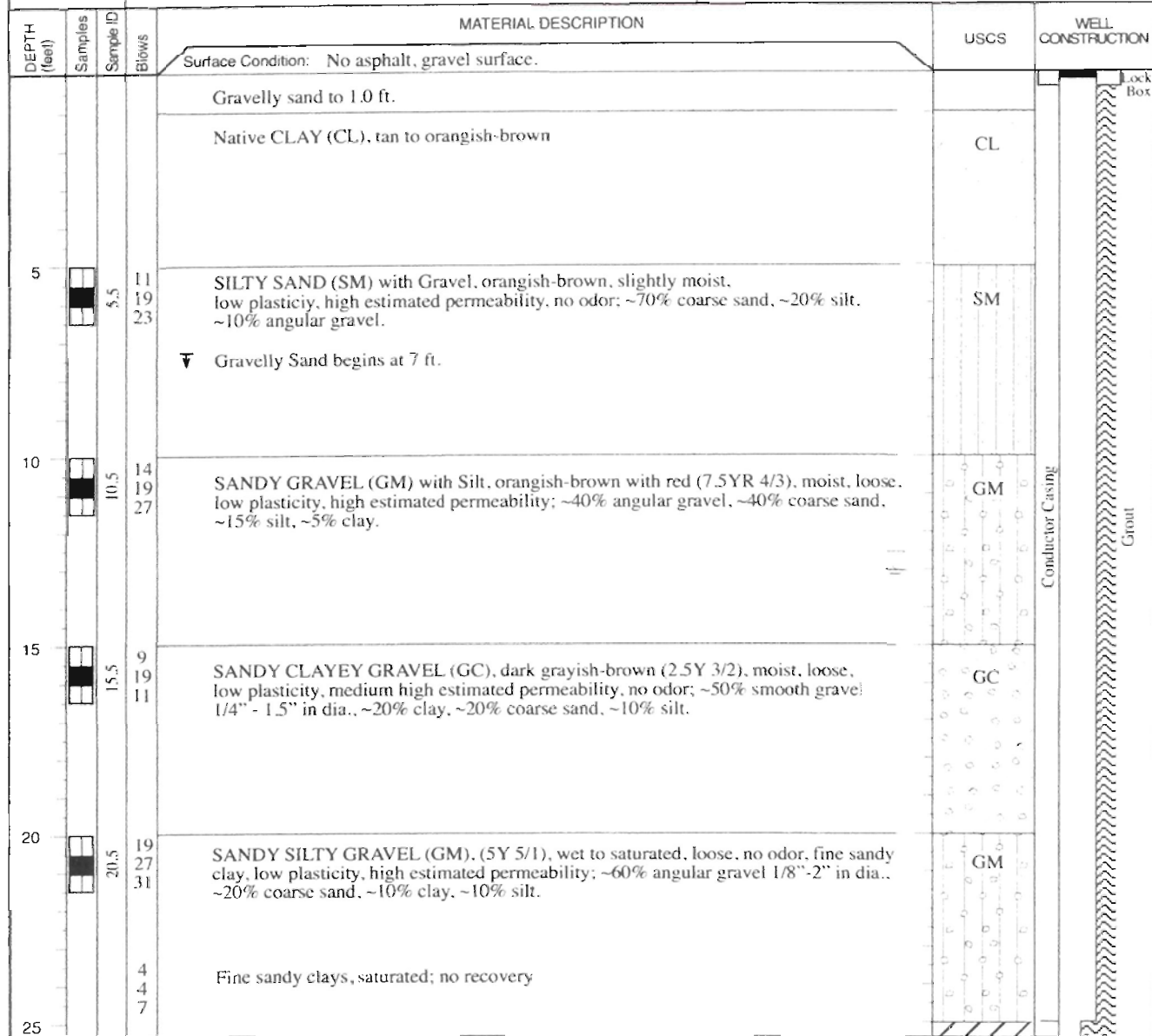
|                         |  |  |  |  |  |   |  |
|-------------------------|--|--|--|--|--|---|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (Shallow Wall, east of former excavation) |  | ELEVATION AND DATUM<br>TOC 141.82 ft       |  | BORING NO.<br>MW-3S   |  |
| DRILLING AGENCY         |  | Clear Heart Drilling, Inc.                                 |  | DRILLER<br>Rick                            |  | DATE/TIME FINISHED<br>17 Nov 04                                 |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                             |  | DATE/TIME STARTED<br>17 Nov 04             |  | DATE/TIME FINISHED<br>17 Nov 04                                 |  |
| DRILLING METHOD         |  | Hollow Stem Auger  |  | COMPLETION DEPTH<br>26.5 ft                |  | SAMPLING DEVICE<br>Split Spoon                                  |  |
| DRILLING METHOD         |  | BORING DIA.<br>8 inches                                    |  | CORE BARREL<br>2.5 inch $\phi$             |  | LENGTH<br>18 inches   |  |
| SIZE AND TYPE OF CASING |  | 2-inch PVC   |  | TYPE AND NO. OF SAMPLES<br>5 Discrete Soil |  | LOGGED BY:<br>JWS   |  |
| TYPE OF PERFORATION     |  | 0.010 Slotted  |  | FROM 0.0' TO 25.0'                         |  | WATER FIRST LEVEL<br>~15.0 ft bgs                               |  |
| TYPE OF SEAL            |  | NO. 1<br>Bentonite   |  | FROM 2.0' TO 4.0'                          |  | SAMPLING / MEASURED<br>—  |  |
| TYPE OF SEAL            |  | NO. 2<br>Cement Grout                                      |  | FROM 0.0' TO 2.0'                          |  | COMMENTS<br>140 lb hammer dropped 40 inches.<br>No PID testing. |  |



TRACE #425/RG10/Jan05

|  |                                      |  |               |         |                    |
|--|--------------------------------------|--|---------------|---------|--------------------|
| <br><b>Environment, Community &amp; Opportunity Network</b> |                                      | <b>MONITORING WELL LOG MW-3S</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |               |         | FIGURE<br><b>5</b> |
| REFERENCE  | Hulsman Transportation<br>Santa Rosa | REVIEWER   | Joseph Saideh | DATE    | December 2004      |
|  |                                      |  |               | REVISED |                    |
|  |                                      |  |               |         | SHEET NO. 1 of 1   |

|                         |  |   |  |   |  |   |  |
|-------------------------|--|---|--|---|--|---|--|
| BORING LOCATION         |  | 325 Yolanda Ave. (Deep Well, east of former excavation) |  | ELEVATION AND DATUM<br>TOC 141.54 ft        |  | BORING NO.<br>MW-3D   |  |
| DRILLING AGENCY         |  | Clear Heart Drilling, Inc.                              |  | DRILLER<br>Rick                             |  | DATE/TIME FINISHED<br>17 Nov 04                                 |  |
| DRILLING EQUIPMENT      |  | DR 10K Truck-mounted Drill Rig                          |  | DATE/TIME STARTED<br>16 Nov 04              |  | SAMPLING DEVICE<br>Split Spoon                                  |  |
| DRILLING METHOD         |  | Hollow Stem Auger                                       |  | COMPLETION DEPTH<br>36.5 ft                 |  | SAMPLING DEPTH<br>18 inches                                     |  |
| DRILLING METHOD         |  | Hollow Stem Auger                                       |  | CORE BARREL<br>2.5 inch $\phi$              |  | LENGTH<br>18 inches   |  |
| DRILLING METHOD         |  | Hollow Stem Auger                                       |  | BORING DIA. 14" (to 25 ft)<br>8" (25-35 ft) |  | TYPE AND NO. OF SAMPLES<br>7 Discrete Soil                      |  |
| SIZE AND TYPE OF CASING |  | Conductor Casing<br>2-inch PVC                          |  | FROM 0.0' TO 25.0'<br>0.0' TO 35.0'         |  | LOGGED BY:<br>JWS   |  |
| TYPE OF PERFORATION     |  | 0.010 Slotted   |  | FROM 30.0' TO 35.0'                         |  | WATER FIRST LEVEL<br>~13.0 ft bgs                               |  |
| TYPE OF SEAL            |  | NO. 1<br>Bentonite                                      |  | FROM 27.0' TO 29.0'                         |  | SAMPLING / MEASURED<br>—  |  |
| TYPE OF SEAL            |  | NO. 2<br>Cement Grout                                   |  | FROM 0.0' TO 27.0'                          |  | COMMENTS<br>140 lb hammer dropped 40 inches.<br>No PID testing. |  |

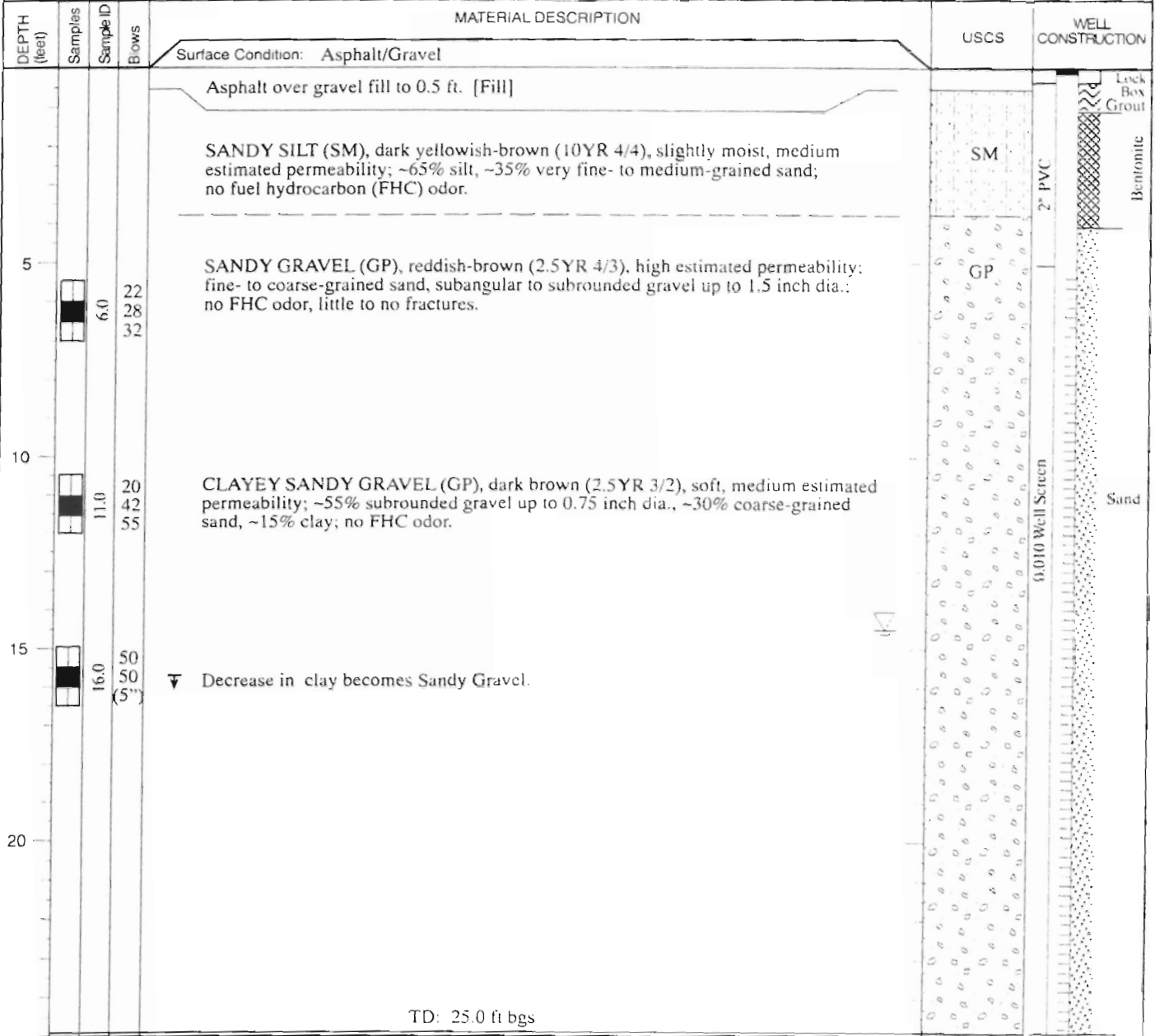


|                        |  |                           |  |         |                     |                    |
|------------------------|--|---------------------------|--|---------|---------------------|--------------------|
| TRACE #425/RG/10/Jan05 | <b>ECON</b><br><i>Environment, Community &amp; Opportunity Network</i> |                           | <b>MONITORING WELL LOG MW-3D</b><br>Hulsman Transportation<br>325 Yolanda Avenue<br>Santa Rosa, California |         |                     | FIGURE<br><b>6</b> |
|                        | REFERENCE<br>Hulsman Transportation<br>Santa Rosa                      | REVIEWER<br>Joseph Saadeh | DATE<br>December 2004  | REVISED | SHEET NO.<br>1 of 2 |                    |

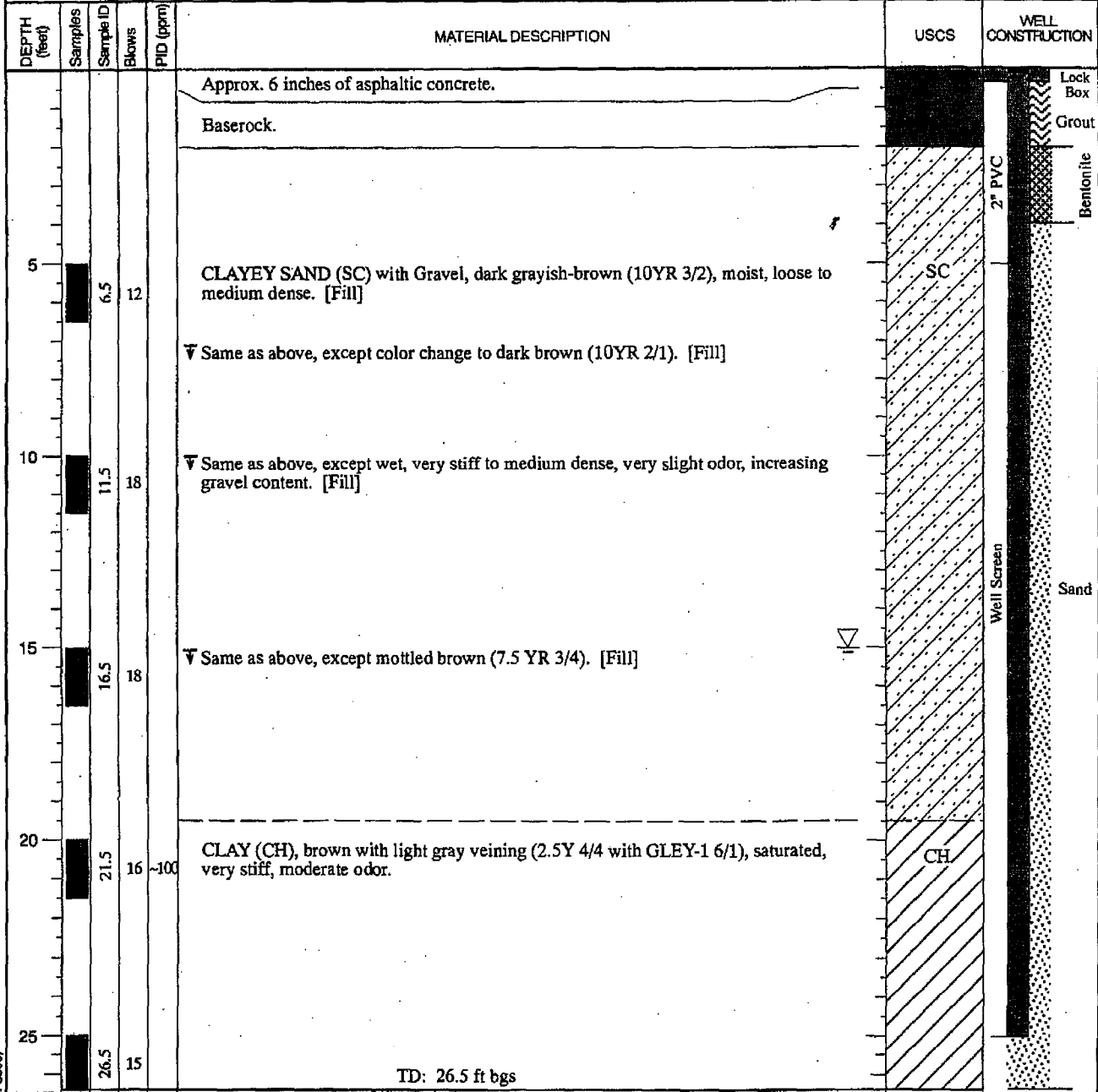


| DEPTH (feet) | Samples      | Sample ID | Blows          | MATERIAL DESCRIPTION  | USCS     | WELL CONSTRUCTION |
|--------------|--------------|-----------|----------------|---|----------|-------------------|
| 25           | [Sample Box] | 25.5      | 5<br>6<br>4    | SANDY CLAY (CH), olive-gray (5Y 5/2), moist, medium plasticity, medium low estimated permeability, no odor; ~70% clay, ~30% fine sand.  | CH       |                   |
| 30           | [Sample Box] | 30.5      | 11<br>12<br>21 | SAND (SW), grayish-brown (GLEYS-1 3/1), wet-saturated, low plasticity, high estimated permeability, no FHC odor; ~100% fine to medium sand.   | SW       |                   |
| 35           | [Sample Box] | 35.0      | 13<br>15<br>27 | GRAVELLY SAND (GM) with Silt, grayish-brown (GLEYS-1, 3/1), wet, medium plasticity, low estimated permeability; ~45% fine-medium sand, ~35% angular gravel, ~20% silt.<br>SILTY CLAY (OL), tan gray, dry, tight, no odor, low plasticity; ~50% clay, ~50% silt. | GM<br>OL |                   |
|              |              |           |                | TD: 36.5 ft bgs   |          |                   |
| 40           |              |           |                |   |          |                   |
| 45           |              |           |                |   |          |                   |
| 50           |              |           |                |   |          |                   |

|                         |  |              |                     |                        |                                   |                    |           |
|-------------------------|--|--------------|---------------------|------------------------|-----------------------------------|--------------------|-----------|
| BORING LOCATION         | 325 Yolanda Ave. (Centered in asphalt west of of dock) |              | ELEVATION AND DATUM | TOC 143.60 ft          | BORING NO                         | MW-4               |           |
| DRILLING AGENCY         | Clear Heart, LLC                                       | DRILLER      | —                   | DATE/TIME STARTED      | 12 Apr 01                         | DATE/TIME FINISHED | 12 Apr 01 |
| DRILLING EQUIPMENT      | DR 10K Truck-mounted Drill Rig                         |              | COMPLETION DEPTH    | 25.0 ft                | SAMPLING DEVICE                   | Split Spoon        |           |
| DRILLING METHOD         | Hollow Stem Auger                                      | BORING DIA.  | 8 inches            | CORE BARREL            | 2.5 inch $\phi$                   | LENGTH             | 18 inches |
| SIZE AND TYPE OF CASING | 2-inch PVC   | FROM         | 0.0' TO 25.0'       | TYPE AND NO OF SAMPLES | 3 Composite Soil<br>1 Groundwater | LOGGED BY          | ASR       |
| TYPE OF PERFORATION     | 0.01 Slotted   | FROM         | 5.0' TO 25.0'       | WATER FIRST LEVEL      | 14.5 ft bgs                       | SAMPLED / MEASURED | —         |
| SIZE AND TYPE OF PACK   | #2/12 Sand   | FROM         | 4.0' TO 25.0'       | COMMENTS               |                                   |                    |           |
| TYPE OF SEAL            | NO. 1  | Bentonite    | FROM                | 1.0' TO 4.0'           |                                   |                    |           |
|                         | NO. 2  | Cement Grout | FROM                | 0.0' TO 1.0'           |                                   |                    |           |



|   |  |                                |                                      |                                |                              |  |
|---|--|--------------------------------|--------------------------------------|--------------------------------|------------------------------|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (S edge of former gas UST over-excav, btwn SP3 & 4) |  |                                | ELEVATION AND DATUM<br>TOC 136.45 ft |                                | BORING NO.<br>B-29           |  |
| DRILLING AGENCY<br>Clear Heart, Inc.  |  | DRILLER<br>Rick                |                                      | DATE STARTED<br>12 Jul 04      |                              | DATE FINISHED<br>12 Jul 04   |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig  |  |                                |                                      | COMPLETION DEPTH<br>26.5 ft    |                              | SAMPLER<br>CA Modified Split Spoon   |
| DRILLING METHOD<br>Hollow Stem Auger  |  | BORING DIA.<br>8.0 inches      |                                      | NO. OF SAMPLES<br>5 Soil       |                              |  |
| SIZE AND TYPE OF CASING<br>2.0 inch dia Schedule 40 PVC                                     |  |                                | FROM 0.0 ft TO 25.0 ft               |                                | WATER LEVEL<br>FIRST -1.5 ft |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted   |  | FROM 5.0 ft TO 25.0 ft         |                                      | CORE BARREL<br>2.0 inch $\phi$ |                              | MEASURED / SAMPLED<br>—  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand  |  | FROM 4.0 ft TO 26.5 ft         |                                      | LOGGED BY:<br>LAS, LKC         |                              | CHECKED BY:<br>RWE   |
| TYPE OF SEAL  |  | NO. 1<br>Bentonite Chips       |                                      | FROM 2.0 ft TO 4.0 ft          |                              | COMMENTS<br>Passes through over-excavation fill. Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). |
|   |  | NO. 2<br>Portland Cement Grout |                                      | FROM 0.0 ft TO 2.0 ft          |                              |  |



**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

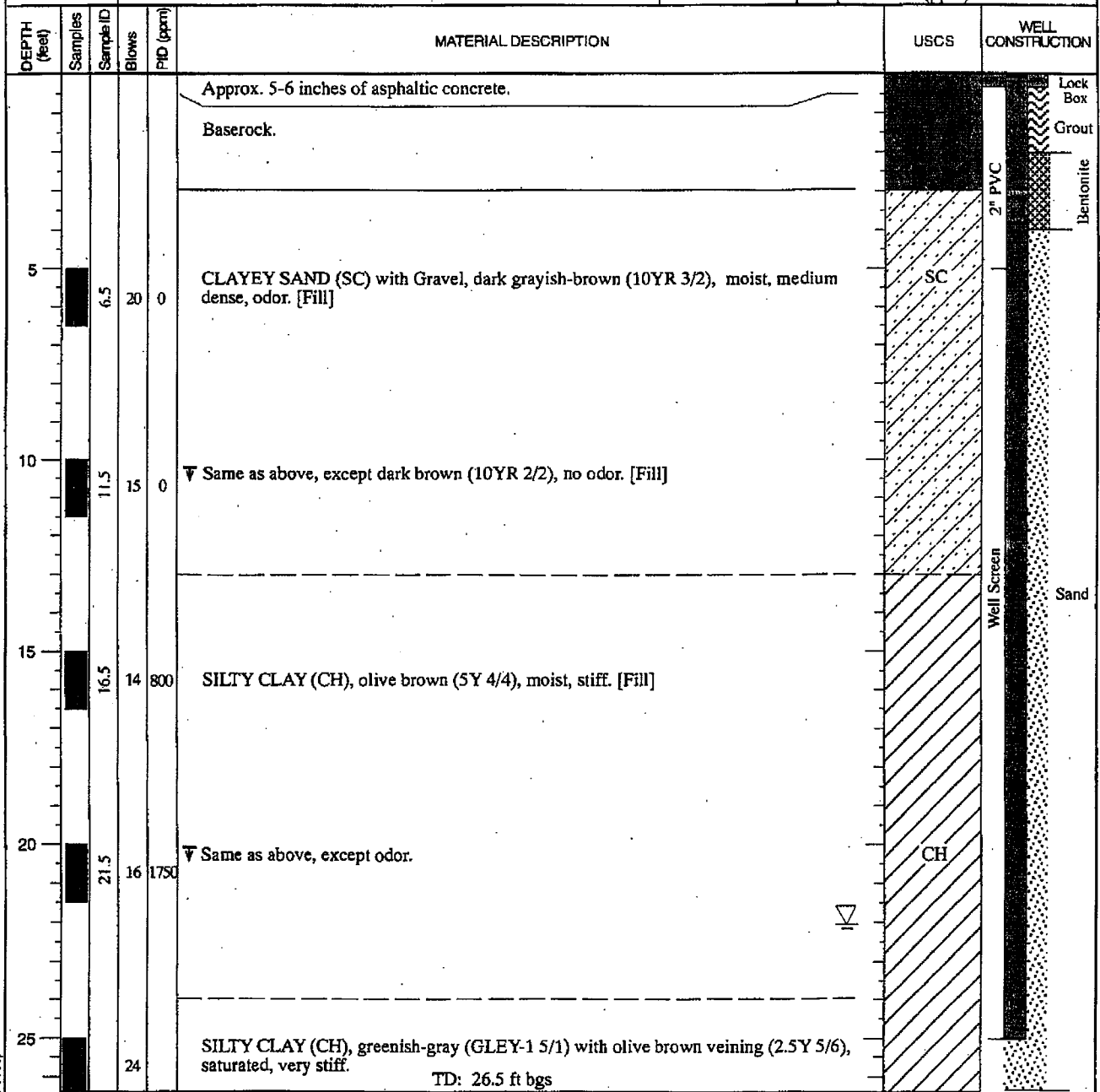
**LOG OF MONITORING WELL B-29**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
4

|                            |                                    |                   |         |                     |
|----------------------------|------------------------------------|-------------------|---------|---------------------|
| JOB NUMBER<br>0266, 002.96 | REVIEWED BY<br>EC&A, Lisa Scorallo | DATE<br>July 2004 | REVISED | SHEET<br>NO. 1 of 1 |
|----------------------------|------------------------------------|-------------------|---------|---------------------|

TRACE#666/RG/02F-8805

|  |  |                                      |  |  |  |
|--|--|--------------------------------------|--|--|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (SW edge of former gas UST over-excav, btwn SP1 & 2) |  | ELEVATION AND DATUM<br>TOC 136.19 ft |  | BORING NO.<br>B-30   |  |
| DRILLING AGENCY<br>Clear Heart, Inc.   |  | DRILLER<br>Rick                      |  | DATE STARTED<br>DATE FINISHED<br>12 Jul 04 → 12 Jul 04   |  |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig   |  | COMPLETION DEPTH<br>26.5 ft          |  | SAMPLER<br>CA Modified Split Spoon   |  |
| DRILLING METHOD<br>Hollow Stem Auger   |  | BORING DIA.<br>8.0 inches            |  | NO. OF SAMPLES<br>4 Soil   |  |
| SIZE AND TYPE OF CASING<br>2.0 inch dia Schedule 40 PVC                                      |  | FROM 0.0 ft TO 25.0 ft               |  | WATER LEVEL<br>FIRST -22 ft  |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted  |  | FROM 5.0 ft TO 25.0 ft               |  | CORE BARREL<br>2.0 inch φ  |  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand   |  | FROM 4.0 ft TO 26.5 ft               |  | LOGGED BY:<br>LAS, LKC   |  |
| TYPE OF SEAL   |  | NO. 1<br>Bentonite Chips             |  | FROM 2.0 ft TO 4.0 ft  |  |
|  |  | NO. 2<br>Portland Cement Grout       |  | FROM 0.0 ft TO 2.0 ft  |  |
|  |  | COMMENTS                             |  | Passes through over-excavation fill. Soil samples field screened with Photo-ionization Detector (PID), results in parts per million (ppm). |  |



TRACE 06/08/04 (03/08/05)

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-30**

2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE

5

|                            |                                    |                   |         |                  |
|----------------------------|------------------------------------|-------------------|---------|------------------|
| JOB NUMBER<br>0266, 002.96 | REVIEWED BY<br>EC&A, Lisa Scorallo | DATE<br>July 2004 | REVISED | SHEET NO. 1 of 1 |
|----------------------------|------------------------------------|-------------------|---------|------------------|

|                         |         |  |       |                         |  |  |  |   |                   |  |  |  |
|-------------------------|---------|--|-------|-------------------------|--|--|--|---|-------------------|--|--|--|
| BORING LOCATION         |         | 2640 Santa Rosa Ave. (~5 ft SW of B-28 and ~13 ft NW of SP-10) |       | ELEVATION AND DATUM     |  | TOC 140.12 ft  |  | BORING NO.  |                   | B-35D                                  |  |  |
| DRILLING AGENCY         |         | Clear Heart, Inc.  |       | DRILLER                 |  | Chris/Pa   |  | DATE STARTED  |                   | 15 Jul 04                              |  |  |
|                         |         |  |       |                         |  |  |  | DATE FINISHED   |                   | 22 Jul 04                              |  |  |
| DRILLING EQUIPMENT      |         | Deep Rock DR10K Truck-mounted rig                              |       | COMPLETION DEPTH        |  | 41.5 ft bgs  |  | SAMPLER   |                   | Drive                                  |  |  |
| DRILLING METHOD         |         | Hollow Stem Auger  |       | BORING DIA.             |  | 8.0 inches   |  | NO. OF SAMPLES  |                   | 8 Soil                                 |  |  |
| SIZE AND TYPE OF CASING |         | Conductor Casing<br>2.0 inch dia Schedule 40 PVC               |       | FROM 0.5 ft TO 25.0 ft  |  | 25.0 ft TO 40.0 ft   |  | WATER LEVEL   |                   | FIRST ~10 ft bgs                       |  |  |
| TYPE OF PERFORMANCE     |         | 0.010 inch Slotted   |       | FROM 35.0 ft TO 40.0 ft |  | CORE BARREL  |  | 2.0 inch φ  |                   | MEASURED / SAMPLED<br>LENGTH 18 inches |  |  |
| SIZE AND TYPE OF PACK   |         | #2/12 Lonestar Sand  |       | FROM 34.0 ft TO 41.5 ft |  | LOGGED BY:   |  | RWE   |                   | CHECKED BY: RWE                        |  |  |
| TYPE OF SEAL            |         | NO. 1 Bentonite Chips  |       | FROM 30.0 ft TO 34.0 ft |  | COMMENTS   |  | Soil samples field screened with Photo-Ionization Detector (PID), results in parts per million (ppm). |                   |  |  |  |
|                         |         | NO. 2 Portland Cement Grout                                    |       | FROM 0.5 ft TO 30.0 ft  |  |  |  |   |                   |  |  |  |
| DEPTH (feet)            | Samples | Sample ID  | Blows | PID (ppm)               | MATERIAL DESCRIPTION   |  |  | USCS  | WELL CONSTRUCTION |  |  |  |
|                         |         |  |       |                         | Approx. 18 inches of asphaltic concrete.   |  |  |   | Lock Box          |  |  |  |
|                         |         |  |       |                         | Baserock   |  |  |   |                   |  |  |  |
| 5                       |         |  | 6.0   | 39                      | CLAYEY SAND (SC) with Gravel, mottled dark brown (7.5YR 3/2) to strong brown (7.5YR 5/6-8), damp, dense. Sand is well sorted, coarse to very coarse, subangular to subrounded, Franciscan debris, trace red volcanics. |  |  | SC  |                   |  |  |  |
| 10                      |         |  | 11.0  | 61                      | 1.5  | SANDY GRAVEL (GW) with Clay, dark olive gray (5Y 3/2), wet, very dense; Franciscan debris, trace red volcanics, medium to coarse sand, pebbles to 2" long.   |  |   | GW                | Conductor Casing                       |  |  |
| 15                      |         |  | 16.0  | 58                      | 2.1  | Same as above.   |  |   |                   | Grout                                  |  |  |
| 20                      |         |  | 21.5  | 58                      | 370  | SANDY GRAVEL (GP), very dark gray (N3), saturated, very dense, very permeable; strong FHC odor; coarse to very coarse sand, subangular to subrounded gravel up to 1/2" long, Franciscan debris and quartz. |  |   | GP                |  |  |  |
| 25                      |         |  |       |                         |  |  |  |   | CL                |  |  |  |

**EDD CLARK & ASSOCIATES, INC.**

ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-35D**

2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE

10

|            |              |             |                   |      |           |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED |  | SHEET NO. | 1 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|

TRACE#669RG07 Jan09

| BORING LOCATION  |         |           |       |           | CONTINUED LOG SHEET NO.  | FOR BORING NO. |                   |
|--|---------|-----------|-------|-----------|--|----------------|-------------------|
| 2640 Santa Rosa Ave. (-5 ft SW of B-28 and ~13 ft NW of SP-10) |         |           |       |           | 2 of 2   | B-35D          |                   |
| DEPTH (feet)   | Samples | Sample ID | Blows | PID (ppm) | MATERIAL DESCRIPTION   | USCS           | WELL CONSTRUCTION |
| 25   |         | 26.5      | 28    | 8.0       | SANDY CLAY grading downward to CLAY (CL), mottled brownish-yellow (10YR 6/6) to light brownish-gray (10YR 6/2), MnO (?) spots, moist, very stiff; medium grained well sorted sand.   | CL             |                   |
| 30   |         | 31.5      | 28    |           | CLAY (CL) with Sand, dark brownish-gray to olive brown (2.5Y 4/2-4), moist, very stiff; sand is mostly coarse.   | CL             |                   |
| 35   |         | 36.5      | 54    |           | CLAYEY SANDY GRAVEL (GC) grading downward into CLAYEY GRAVELLY SAND (SC), dark grayish-brown to olive brown (2.5Y 4/2-4), wet, dense. Sand is medium to coarse, gravel is subrounded to subangular pebbles up to 3/4" long, Franciscan debris. | GC             |                   |
| 40   |         | 41.5      | 81    |           | Same as above, except trace red volcanic debris and black chert, otherwise mostly quartz, subrounded to angular.   | SC             |                   |
|  |         |           |       |           | TD: 41.5 ft bgs  |                |                   |
| 45   |         |           |       |           |  |                |                   |
| 50   |         |           |       |           |  |                |                   |

TRACE#386RG07 Jan05

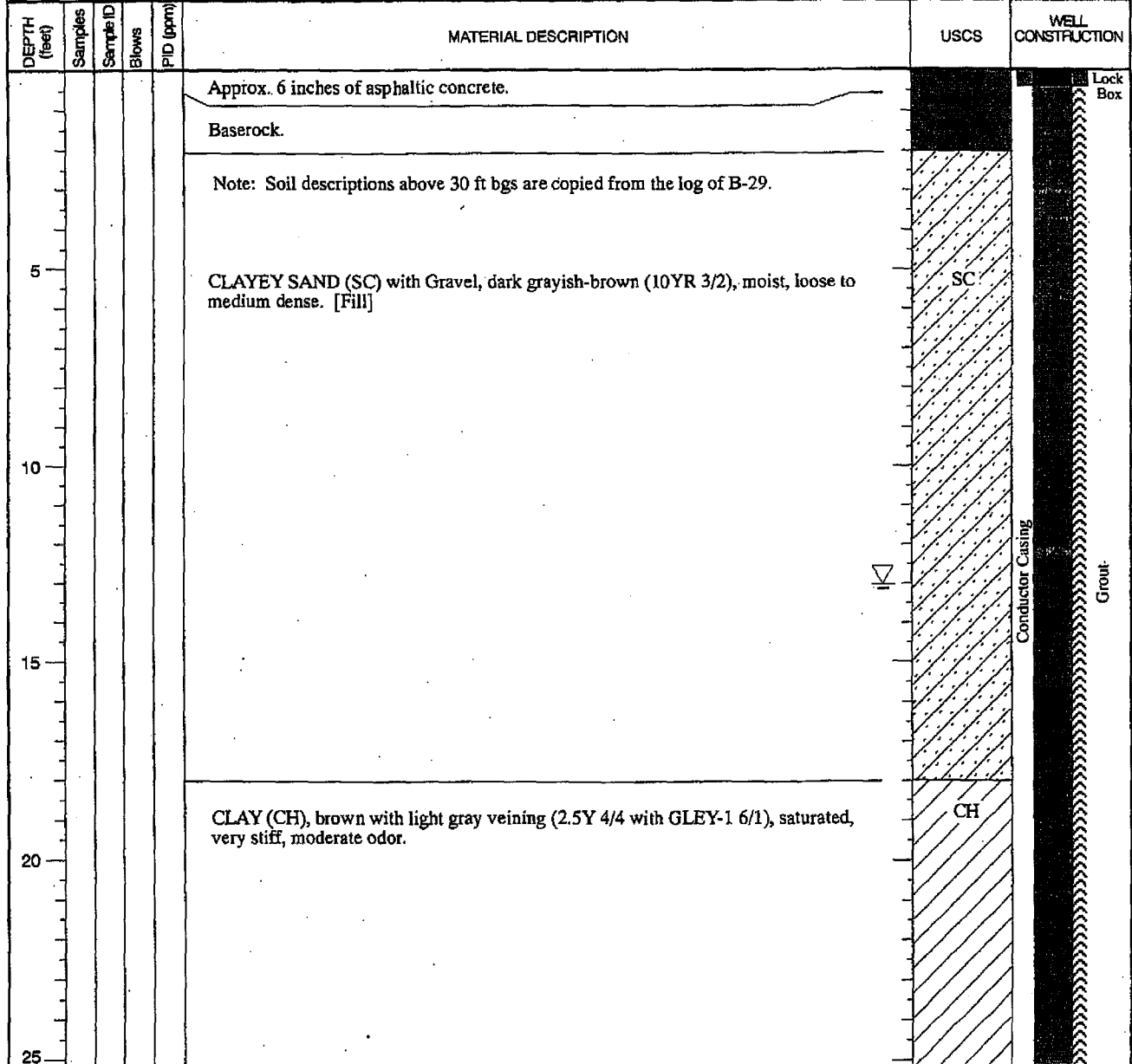
**EDD CLARK & ASSOCIATES, INC.**  
 ENVIRONMENTAL CONSULTANTS

LOG OF MONITORING WELL B-35D (Cont'd)  
 2640 Santa Rosa Avenue  
 Santa Rosa, California

FIGURE  
 10

|            |              |             |                   |      |           |         |                  |
|------------|--------------|-------------|-------------------|------|-----------|---------|------------------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED | SHEET NO. 2 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|------------------|

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| BORING LOCATION<br>2640 Santa Rosa Ave. (S edge of former gas UST over-excav, next to B-29) |  | ELEVATION AND DATUM<br>TOC 136.55 ft              |  | BORING NO.<br>B-36D                    |  |
| DRILLING AGENCY<br>Clear Heart, Inc.  |  | DRILLER<br>Rick                                   |  | DATE STARTED<br>14 Jul 04              |  |
| DRILLING EQUIPMENT<br>CME 75 Truck-mounted rig  |  | COMPLETION DEPTH<br>40.0 ft                       |  | DATE FINISHED<br>16 Jul 04             |  |
| DRILLING METHOD<br>Solid Flight/Hollow Stem Auger   |  | BORING DIA.<br>9.0/8.0 inches                     |  | NO. OF SAMPLES<br>3 Soil               |  |
| SIZE AND TYPE OF CASING<br>Conductor Casing, 9.0 inch<br>2.0 inch PVC                       |  | FROM 0.0 ft TO 25.0 ft<br>0.0 ft TO 40.0 ft       |  | WATER LEVEL<br>FIRST ~13.0 ft          |  |
| TYPE OF PERFORATION<br>0.010 inch Slotted   |  | FROM 35.0 ft TO 40.0 ft                           |  | MEASURED / SAMPLED<br>LENGTH 18 inches |  |
| SIZE AND TYPE OF PACK<br>#2/12 Lonestar Sand  |  | FROM 34.0 ft TO 40.0 ft                           |  | CORE BARREL<br>2.0 inch $\phi$         |  |
| TYPE OF SEAL<br>NO. 1 Bentonite Chips<br>NO. 2 Portland Cement Grout                        |  | FROM 32.5 ft TO 34.0 ft<br>FROM 0.0 ft TO 32.5 ft |  | LOGGED BY: RWE<br>CHECKED BY: RWE      |  |
| COMMENTS  |  |   |  |  |  |



TRACE#368/RGM/02F-0005

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF MONITORING WELL B-36D**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
11

|                            |                                  |                   |         |                  |
|----------------------------|----------------------------------|-------------------|---------|------------------|
| JOB NUMBER<br>0266, 002.96 | REVIEWED BY<br>EC&A, Richard Ely | DATE<br>July 2004 | REVISED | SHEET NO. 1 of 2 |
|----------------------------|----------------------------------|-------------------|---------|------------------|

| BORING LOCATION |         |           |       |  | 2640 Santa Rosa Ave. (S edge of former gas UST over-excav, next to B-29) |      | CONTINUED LOG,<br>SHEET NO. | 2 of 2 | FOR<br>BORING NO. | B-36D |
|-----------------|---------|-----------|-------|--|--|------|-----------------------------|--------|-------------------|-------|
| DEPTH<br>(feet) | Samples | Sample ID | Blows | PID (ppm)  | MATERIAL DESCRIPTION   | USCS | WELL<br>CONSTRUCTION        |        |                   |       |
| 25              |         |           |       |  | CLAY (CL)  | CL   |                             |        |                   |       |
| 30              |         | 31.5      | 29    | CLAY (CL) with Sand, dark grayish-brown (2.5Y 4/2), moist, very stiff; medium to coarse sand.  | CL   |      |                             |        |                   |       |
| 35              |         | 36.5      | 28    | CLAYEY SAND (SC) grading downward to SAND (SP) with Clay, moist, dense; trace of subrounded gravel, mostly coarse angular-subrounded sand. | SC/SP  |      |                             |        |                   |       |
| 40              |         | 40.0      | 39    | SANDY CLAY (CL), light yellowish-brown (2.5Y 6/4), damp, very stiff; mostly medium sand.   | CL   |      |                             |        |                   |       |
|                 |         |           |       |  | TD: 40.0 ft bgs  |      |                             |        |                   |       |
| 45              |         |           |       |  |  |      |                             |        |                   |       |
| 50              |         |           |       |  |  |      |                             |        |                   |       |

TRACE #366/RG/07-Jan05

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

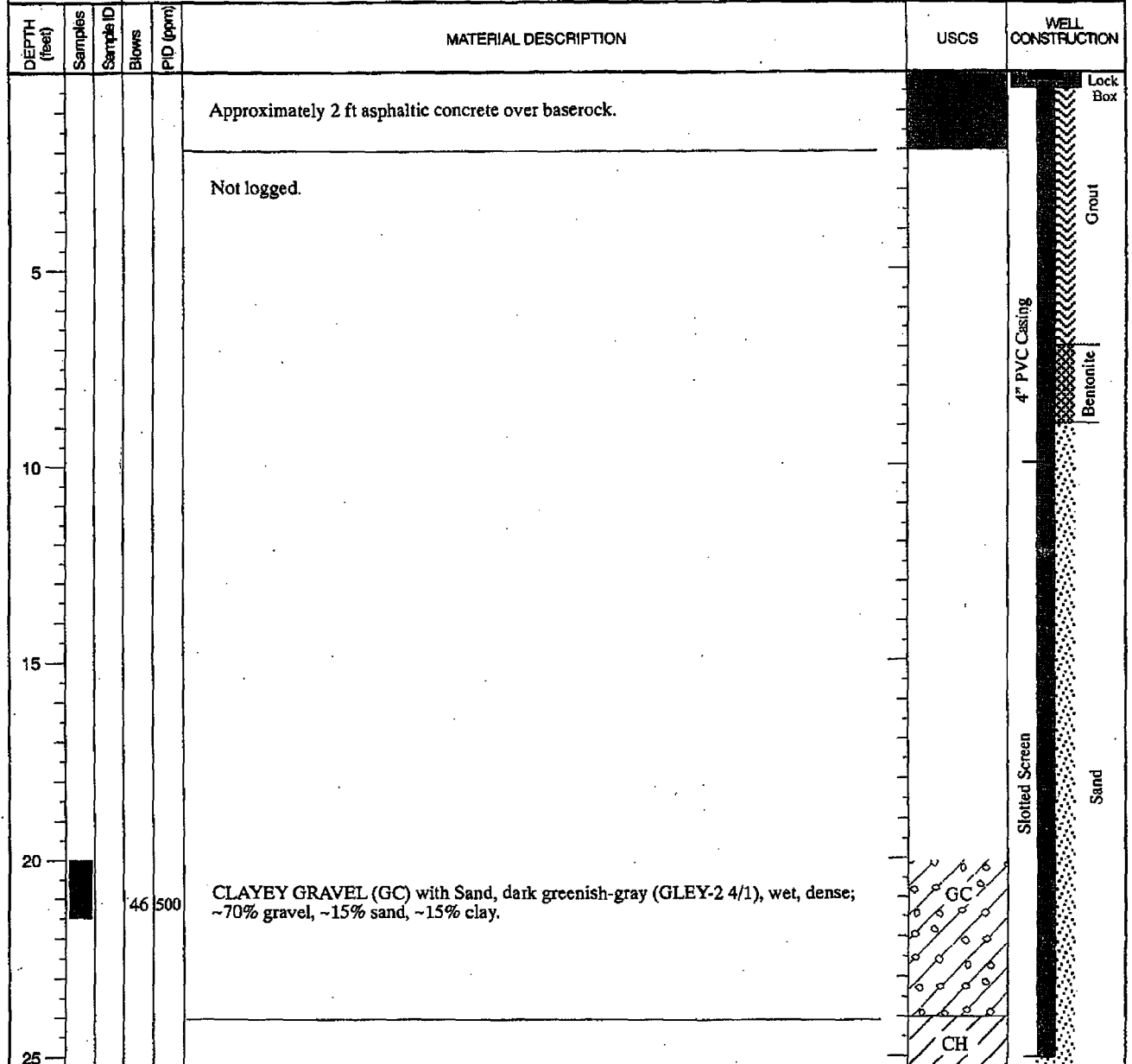
**LOG OF MONITORING WELL B-36D (Cont'd)**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
11

|            |              |             |                   |      |           |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | July 2004 | REVISED |  | SHEET NO. | 2 of 2 |
|------------|--------------|-------------|-------------------|------|-----------|---------|--|-----------|--------|



|                         |  |   |  |                        |  |                    |  |   |  |
|-------------------------|--|---|--|------------------------|--|--------------------|--|---|--|
| BORING LOCATION         |  | 2640 Santa Rosa Ave. (~53 ft ENE former gasoline UST) |  | ELEVATION AND DATUM    |  | TOC 138.91 ft      |  | BORING NO. EW-6   |  |
| DRILLING AGENCY         |  | Clear Heart, Inc.                                     |  | DRILLER                |  | Pablo              |  | DATE STARTED<br>DATE FINISHED   |  |
|                         |  |   |  |                        |  | 04 Aug 04 →        |  | 04 Aug 04   |  |
| DRILLING EQUIPMENT      |  |   |  | DR5K Truck-mounted rig |  | COMPLETION DEPTH   |  | 26.5 ft   |  |
|                         |  |   |  |                        |  |                    |  | SAMPLER<br>CA Modified Split Spoon  |  |
| DRILLING METHOD         |  | Hollow Stem Auger                                     |  | BORING DIA.            |  | 10.0 inches        |  | NO. OF SAMPLES  |  |
|                         |  |   |  |                        |  |                    |  | 2 Soil  |  |
| SIZE AND TYPE OF CASING |  | 4 inch Schedule 40 PVC                                |  | FROM                   |  | 0.0 ft TO 25.0 ft  |  | WATER LEVEL   |  |
|                         |  |   |  |                        |  |                    |  | FIRST 15.0 ft   |  |
|                         |  |   |  |                        |  |                    |  | MEASURED / SAMPLED  |  |
|                         |  |   |  |                        |  |                    |  | —   |  |
| TYPE OF PERFORATION     |  | 0.020 inch slotted                                    |  | FROM                   |  | 10.0 ft TO 25.0 ft |  | CORE BARREL   |  |
|                         |  |   |  |                        |  |                    |  | 2.0 inch φ  |  |
|                         |  |   |  |                        |  |                    |  | LENGTH  |  |
|                         |  |   |  |                        |  |                    |  | 18 inches   |  |
| SIZE AND TYPE OF PACK   |  | #2/12 Monterey Sand                                   |  | FROM                   |  | 9.0 ft TO 26.5 ft  |  | LOGGED BY:  |  |
|                         |  |   |  |                        |  |                    |  | LKC   |  |
|                         |  |   |  |                        |  |                    |  | CHECKED BY:   |  |
|                         |  |   |  |                        |  |                    |  | RWE   |  |
| TYPE OF SEAL            |  | NO. 1   |  | Bentonite Chips        |  | FROM               |  | 7.0 ft TO 9.0 ft  |  |
|                         |  | NO. 2   |  | Portland Cement Grout  |  | FROM               |  | 0.0 ft TO 7.0 ft  |  |
|                         |  |   |  |                        |  |                    |  | COMMENTS  |  |
|                         |  |   |  |                        |  |                    |  | Soil samples field screened with Photo-ionization Detector (PID), results in parts per million (ppm). |  |



TRACE#886RG02F#605

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

**LOG OF EXTRACTION WELL EW-6**  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
18

|            |              |             |                   |      |             |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | August 2004 | REVISED |  | SHEET NO. | 1 of 2 |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|

| BORING LOCATION  |         |           |       |           | CONTINUED LOG,<br>SHEET NO.   | FOR<br>BORING NO. |                      |
|--|---------|-----------|-------|-----------|---|-------------------|----------------------|
| 2640 Santa Rosa Ave. (~53 ft ENE of former gasoline UST) |         |           |       |           | 2 of 2  | EW-6              |                      |
| DEPTH<br>(feet)  | Samples | Sample ID | Blows | PID (ppm) | MATERIAL DESCRIPTION  | USCS              | WELL<br>CONSTRUCTION |
| 25   |         |           | 41    | 110       | SILTY CLAY (CH) with Sand, yellowish-brown, moist to wet, very stiff; ~80% clay,<br>~10% silt, ~10% fine sand.<br><br>TD: 26.5 ft bgs | CH                | Sand                 |
| 30   |         |           |       |           |   |                   |                      |
| 35   |         |           |       |           |   |                   |                      |
| 40   |         |           |       |           |   |                   |                      |
| 45   |         |           |       |           |   |                   |                      |
| 50   |         |           |       |           |   |                   |                      |

TRACE #366/RG/07-Jan-05

**EDD CLARK & ASSOCIATES, INC.**  
ENVIRONMENTAL CONSULTANTS

LOG OF EXTRACTION WELL EW-6 (Cont'd)  
2640 Santa Rosa Avenue  
Santa Rosa, California

FIGURE  
18

|            |              |             |                   |      |             |         |  |           |        |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|
| JOB NUMBER | 0266, 002.96 | REVIEWED BY | EC&A, Richard Ely | DATE | August 2004 | REVISED |  | SHEET NO. | 2 of 2 |
|------------|--------------|-------------|-------------------|------|-------------|---------|--|-----------|--------|

## **APPENDIX E**

*Analytical Report for DW-325*



Report Date: February 29, 2016

## Laboratory Report

David Bush  
Environmental Geology Services  
6169 Amie Drive  
Windsor, CA 95492

Project Name: **325 Yolanda Ave. 451.0711**  
Lab Project Number: **6022901**

This 7 page report of analytical data has been reviewed and approved for release.

---

Mark A. Valentini, Ph.D.

Laboratory Director



## Volatile Hydrocarbons by GC/MS

| Lab#       | Sample ID | Compound Name                     | Result (µg/L) | RDL (µg/L) |
|------------|-----------|-----------------------------------|---------------|------------|
| 6022901-01 | DW-325    | Gasoline                          | ND            | 50         |
|            |           | Dichlorodifluoromethane (F-12)    | ND            | 1.0        |
|            |           | Chloromethane                     | ND            | 1.0        |
|            |           | Vinyl chloride                    | ND            | 1.0        |
|            |           | Chloroethane (CE)                 | ND            | 1.0        |
|            |           | Bromomethane                      | ND            | 1.0        |
|            |           | Trichlorofluoromethane (F-11)     | ND            | 1.0        |
|            |           | Trichlorotrifluoroethane (F-113)  | ND            | 1.0        |
|            |           | 1,1-Dichloroethene (1,1-DCE)      | ND            | 1.0        |
|            |           | Methylene chloride                | ND            | 1.0        |
|            |           | trans-1,2-Dichloroethene          | ND            | 1.0        |
|            |           | 1,1-Dichloroethane (1,1-DCA)      | ND            | 1.0        |
|            |           | cis-1,2-Dichloroethene (c1,2-DCE) | ND            | 1.0        |
|            |           | 2,2-Dichloropropane               | ND            | 1.0        |
|            |           | Chloroform (THM1)                 | ND            | 1.0        |
|            |           | Bromochloromethane                | ND            | 1.0        |
|            |           | 1,1,1-Trichloroethane (TCA)       | ND            | 1.0        |
|            |           | 1,2-Dichloroethane (EDC)          | ND            | 1.0        |
|            |           | 1,1-Dichloropropene               | ND            | 1.0        |
|            |           | Carbon tetrachloride              | ND            | 1.0        |
|            |           | Benzene                           | ND            | 1.0        |
|            |           | Trichloroethene (TCE)             | ND            | 1.0        |
|            |           | 1,2-Dichloropropane (DCP)         | ND            | 1.0        |
|            |           | Dibromomethane                    | ND            | 1.0        |
|            |           | Bromodichloromethane (THM2)       | ND            | 1.0        |
|            |           | cis-1,3-Dichloropropene           | ND            | 1.0        |
|            |           | Toluene                           | ND            | 1.0        |
|            |           | 1,1,2-Trichloroethane             | ND            | 1.0        |
|            |           | 1,3-Dichloropropane               | ND            | 1.0        |
|            |           | Dibromochloromethane (THM3)       | ND            | 1.0        |
|            |           | Tetrachloroethene (PCE)           | ND            | 1.0        |
|            |           | 1,2-Dibromoethane (EDB)           | ND            | 1.0        |
|            |           | Chlorobenzene                     | ND            | 1.0        |
|            |           | 1,1,1,2-Tetrachloroethane         | ND            | 1.0        |
|            |           | Ethylbenzene                      | ND            | 1.0        |
|            |           | m,p-Xylene                        | ND            | 1.0        |
|            |           | Styrene                           | ND            | 1.0        |
|            |           | o-Xylene                          | ND            | 1.0        |
|            |           | Bromoform (THM4)                  | ND            | 1.0        |
|            |           | 1,1,2,2-Tetrachloroethane         | ND            | 1.0        |
|            |           | Isopropylbenzene                  | ND            | 1.0        |
|            |           | 1,2,3-Trichloropropane            | ND            | 1.0        |
|            |           | Bromobenzene                      | ND            | 1.0        |
|            |           | n-Propyl Benzene                  | ND            | 1.0        |
|            |           | 2-Chlorotoluene                   | ND            | 1.0        |
|            |           | 4-Chlorotoluene                   | ND            | 1.0        |
|            |           | 1,3,5-Trimethylbenzene            | ND            | 1.0        |
|            |           | tert-Butylbenzene                 | ND            | 1.0        |
|            |           | 1,2,4-Trimethylbenzene            | ND            | 1.0        |



### Volatile Hydrocarbons by GC/MS

| Lab#                 | Sample ID     | Compound Name                  | Result (µg/L)        | RDL (µg/L)        |
|----------------------|---------------|--------------------------------|----------------------|-------------------|
| 6022901-01           | <b>DW-325</b> | sec-Butylbenzene               | ND                   | 1.0               |
|                      |               | 1,3-Dichlorobenzene            | ND                   | 1.0               |
|                      |               | 1,4-Dichlorobenzene            | ND                   | 1.0               |
|                      |               | 1,2-Dichlorobenzene            | ND                   | 1.0               |
|                      |               | p-Isopropyltoluene             | ND                   | 1.0               |
|                      |               | n-Butylbenzene                 | ND                   | 1.0               |
|                      |               | 1,2-Dibromo-3-chloropropane    | ND                   | 1.0               |
|                      |               | 1,2,4-Trichlorobenzene         | ND                   | 1.0               |
|                      |               | Naphthalene                    | ND                   | 1.0               |
|                      |               | Hexachlorobutadiene            | ND                   | 1.0               |
|                      |               | 1,2,3-Trichlorobenzene         | ND                   | 1.0               |
|                      |               | Tertiary Butyl Alcohol (TBA)   | ND                   | 12                |
|                      |               | Methyl tert-Butyl Ether (MTBE) | ND                   | 1.0               |
|                      |               | Di-isopropyl Ether (DIPE)      | ND                   | 1.0               |
|                      |               | Ethyl tert-Butyl Ether (ETBE)  | ND                   | 1.0               |
|                      |               | Tert-Amyl Methyl Ether (TAME)  | ND                   | 1.0               |
| Surrogates           | Result (µg/L) | % Recovery                     | Acceptance Range (%) |                   |
| Dibromofluoromethane | 21.7          | 108                            | 70-130               |                   |
| Toluene-d8           | 21.2          | 106                            | 70-130               |                   |
| 4-Bromofluorobenzene | 19.1          | 96                             | 70-130               |                   |
| Date Sampled:        | 02/29/16      | Date Analyzed:                 | 02/29/16             | QC Batch: B015483 |
| Date Received:       | 02/29/16      | Method:                        | EPA 8260B            |                   |



## Quality Assurance Report

### Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B015483 - EPA 5030 GC/MS

#### Blank (B015483-BLK1)

Prepared & Analyzed: 02/22/16

|                                   |    |     |      |
|-----------------------------------|----|-----|------|
| Dichlorodifluoromethane (F-12)    | ND | 1.0 | µg/L |
| Chloromethane                     | ND | 1.0 | µg/L |
| Vinyl chloride                    | ND | 1.0 | µg/L |
| Chloroethane (CE)                 | ND | 1.0 | µg/L |
| Bromomethane                      | ND | 1.0 | µg/L |
| Trichlorofluoromethane (F-11)     | ND | 1.0 | µg/L |
| Trichlorotrifluoroethane (F-113)  | ND | 1.0 | µg/L |
| 1,1-Dichloroethene (1,1-DCE)      | ND | 1.0 | µg/L |
| Methylene chloride                | ND | 1.0 | µg/L |
| trans-1,2-Dichloroethene          | ND | 1.0 | µg/L |
| 1,1-Dichloroethane (1,1-DCA)      | ND | 1.0 | µg/L |
| cis-1,2-Dichloroethene (c1,2-DCE) | ND | 1.0 | µg/L |
| 2,2-Dichloropropane               | ND | 1.0 | µg/L |
| Chloroform (THM1)                 | ND | 1.0 | µg/L |
| Bromochloromethane                | ND | 1.0 | µg/L |
| 1,1,1-Trichloroethane (TCA)       | ND | 1.0 | µg/L |
| 1,2-Dichloroethane (EDC)          | ND | 1.0 | µg/L |
| 1,1-Dichloropropene               | ND | 1.0 | µg/L |
| Carbon tetrachloride              | ND | 1.0 | µg/L |
| Benzene                           | ND | 1.0 | µg/L |
| Trichloroethene (TCE)             | ND | 1.0 | µg/L |
| 1,2-Dichloropropane (DCP)         | ND | 1.0 | µg/L |
| Dibromomethane                    | ND | 1.0 | µg/L |
| Bromodichloromethane (THM2)       | ND | 1.0 | µg/L |
| cis-1,3-Dichloropropene           | ND | 1.0 | µg/L |
| Toluene                           | ND | 1.0 | µg/L |
| 1,1,2-Trichloroethane             | ND | 1.0 | µg/L |
| 1,3-Dichloropropane               | ND | 1.0 | µg/L |
| Dibromochloromethane (THM3)       | ND | 1.0 | µg/L |
| Tetrachloroethene (PCE)           | ND | 1.0 | µg/L |
| 1,2-Dibromoethane (EDB)           | ND | 1.0 | µg/L |
| Chlorobenzene                     | ND | 1.0 | µg/L |
| 1,1,1,2-Tetrachloroethane         | ND | 1.0 | µg/L |
| Ethylbenzene                      | ND | 1.0 | µg/L |
| m,p-Xylene                        | ND | 1.0 | µg/L |
| Styrene                           | ND | 1.0 | µg/L |
| o-Xylene                          | ND | 1.0 | µg/L |
| Bromoform (THM4)                  | ND | 1.0 | µg/L |
| 1,1,2,2-Tetrachloroethane         | ND | 1.0 | µg/L |
| Isopropylbenzene                  | ND | 1.0 | µg/L |
| 1,2,3-Trichloropropane            | ND | 1.0 | µg/L |



## Volatile Hydrocarbons by GC/MS

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

### Batch B015483 - EPA 5030 GC/MS

#### Blank (B015483-BLK1)

Prepared & Analyzed: 02/22/16

|                                |    |     |      |  |  |  |  |  |  |  |
|--------------------------------|----|-----|------|--|--|--|--|--|--|--|
| Bromobenzene                   | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| n-Propyl Benzene               | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 2-Chlorotoluene                | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 4-Chlorotoluene                | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| tert-Butylbenzene              | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| sec-Butylbenzene               | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| p-Isopropyltoluene             | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| n-Butylbenzene                 | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2-Dibromo-3-chloropropane    | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Naphthalene                    | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Hexachlorobutadiene            | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| 1,2,3-Trichlorobenzene         | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Tertiary Butyl Alcohol (TBA)   | ND | 12  | µg/L |  |  |  |  |  |  |  |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Di-isopropyl Ether (DIPE)      | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Ethyl tert-Butyl Ether (ETBE)  | ND | 1.0 | µg/L |  |  |  |  |  |  |  |
| Tert-Amyl Methyl Ether (TAME)  | ND | 1.0 | µg/L |  |  |  |  |  |  |  |

|  |      |  |      |      |  |     |        |
|--|------|--|------|------|--|-----|--------|
| <i>Surrogate: Dibromofluoromethane</i> | 20.0 |  | µg/L | 20.0 |  | 100 | 70-130 |
| <i>Surrogate: Toluene-d8</i>           | 19.8 |  | µg/L | 20.0 |  | 99  | 70-130 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 18.5 |  | µg/L | 20.0 |  | 93  | 70-130 |

#### Matrix Spike (B015483-MS1)

Source: 6021915-01

Prepared & Analyzed: 02/22/16

|                              |      |     |      |      |    |     |        |
|------------------------------|------|-----|------|------|----|-----|--------|
| 1,1-Dichloroethene (1,1-DCE) | 25.4 | 1.0 | µg/L | 25.0 | ND | 102 | 70-130 |
| Benzene                      | 25.8 | 1.0 | µg/L | 25.0 | ND | 103 | 70-130 |
| Trichloroethene (TCE)        | 25.5 | 1.0 | µg/L | 25.0 | ND | 102 | 70-130 |
| Toluene                      | 28.8 | 1.0 | µg/L | 25.0 | ND | 115 | 70-130 |
| Chlorobenzene                | 24.7 | 1.0 | µg/L | 25.0 | ND | 99  | 70-130 |

|  |      |  |      |      |  |    |        |
|--|------|--|------|------|--|----|--------|
| <i>Surrogate: Dibromofluoromethane</i> | 19.4 |  | µg/L | 20.0 |  | 97 | 70-130 |
| <i>Surrogate: Toluene-d8</i>           | 18.5 |  | µg/L | 20.0 |  | 92 | 70-130 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 18.4 |  | µg/L | 20.0 |  | 92 | 70-130 |





## Volatile Hydrocarbons by GC/MS

| Analyte                                | Result      | Reporting<br>Limit        | Units       | Spike<br>Level | Source<br>Result                         | %REC      | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|--|-------------|---------------------------|-------------|----------------|--|-----------|----------------|-----|--------------|-------|
| <b>Batch B015483 - EPA 5030 GC/MS</b>  |             |                           |             |                |  |           |                |     |              |       |
| <b>Matrix Spike Dup (B015483-MSD1)</b> |             | <b>Source: 6021915-01</b> |             |                | <b>Prepared &amp; Analyzed: 02/22/16</b> |           |                |     |              |       |
| 1,1-Dichloroethene (1,1-DCE)           | 24.5        | 1.0                       | µg/L        | 25.0           | ND                                       | 98        | 70-130         | 4   | 20           |       |
| Benzene                                | 25.9        | 1.0                       | µg/L        | 25.0           | ND                                       | 103       | 70-130         | 0.2 | 20           |       |
| Trichloroethene (TCE)                  | 25.6        | 1.0                       | µg/L        | 25.0           | ND                                       | 102       | 70-130         | 0.3 | 20           |       |
| Toluene                                | 28.2        | 1.0                       | µg/L        | 25.0           | ND                                       | 113       | 70-130         | 2   | 20           |       |
| Chlorobenzene                          | 24.8        | 1.0                       | µg/L        | 25.0           | ND                                       | 99        | 70-130         | 0.4 | 20           |       |
| <i>Surrogate: Dibromofluoromethane</i> | <i>19.6</i> |                           | <i>µg/L</i> | <i>20.0</i>    |  | <i>98</i> | <i>70-130</i>  |     |              |       |
| <i>Surrogate: Toluene-d8</i>           | <i>18.7</i> |                           | <i>µg/L</i> | <i>20.0</i>    |  | <i>93</i> | <i>70-130</i>  |     |              |       |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>18.0</i> |                           | <i>µg/L</i> | <i>20.0</i>    |  | <i>90</i> | <i>70-130</i>  |     |              |       |



## Notes and Definitions

---

|     |  |
|-----|--|
| RDL | Reporting Detection Limit  |
| ND  | Analyte NOT DETECTED at or above the reporting detection limit (RDL) |
| RPD | Relative Percent Difference  |
| NR  | Not Reported   |



**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-8093

# CHAIN OF CUSTODY

Lab Project Number: 6022901  
 Client Project Name: 325 YOLANDA AVE  
 Client Project Number: \_\_\_\_\_

RUSH

**CLIENT INFORMATION**

Company Name: **Environmental Geology Services**  
 Address: **6169 Amie Drive**  
**Windsor, CA 95492**  
 Contact: **David Bush**  
 Phone #: **(707) 528-0810**  
 Fax #: **(707) 528-0810**  
 e-mail: **dbush@egsconsultants.com**

Geotracker EDF:  Y  N  
 Global ID: \_\_\_\_\_

**TURNAROUND TIME (check one)**

Same Day   
 48 Hours \_\_\_\_\_ 24 Hours \_\_\_\_\_  
 5 Days \_\_\_\_\_ Normal \_\_\_\_\_

Cooler Temperature  
ICES °C

Page 1 of 1

**ANALYSIS**

| Item | Client Sample ID | Date Sampled | Time | Matrix           | # Cont. | Presv. Y/N | TPH/Gas/BTEX & MTBE<br>EPA 8015/8021 | TPH Diesel / Motor Oil<br>EPA 8015M | Volatile & GRO Hydrocarbons<br>EPA 8260B (Full List) | BTEX & Oxygenates + PB Scavengers<br>EPA 8260B | Oxygenated Fuel Additives<br>EPA 8260B | Chlorinated Solvents<br>EPA 8010 / EPA 8260B | Semi-Volatile Hydrocarbons<br>EPA 8270C | TRPH / TOG<br>SM 5520F / EPA 418.1 | Pesticides / PCB's<br>EPA 8081 / 8141 / 8082 | Cam 17 Metals / 5 Luft Metals | Total Lead | Comments | Lab Sample # |     |
|------|------------------|--------------|------|------------------|---------|------------|--------------------------------------|-------------------------------------|--|--|--|--|---|------------------------------------|--|-------------------------------|------------|----------|--------------|-----|
| 1    | DW-325           | 2/29/16      | 7:55 | H <sub>2</sub> O | 3       | Y          |                                      |                                     | X  |  |  |  |   |                                    |  |                               |            |          | 6022901      | -01 |
| 2    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 3    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 4    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 5    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 6    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 7    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 8    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 9    |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |
| 10   |                  |              |      |                  |         |            |                                      |                                     |  |  |  |  |   |                                    |  |                               |            |          |              |     |

**SIGNATURES**

Relinquished By: \_\_\_\_\_  
 Signature

Sampled By: DAVID BUSH  
2/29/16 8:35  
 Date Time

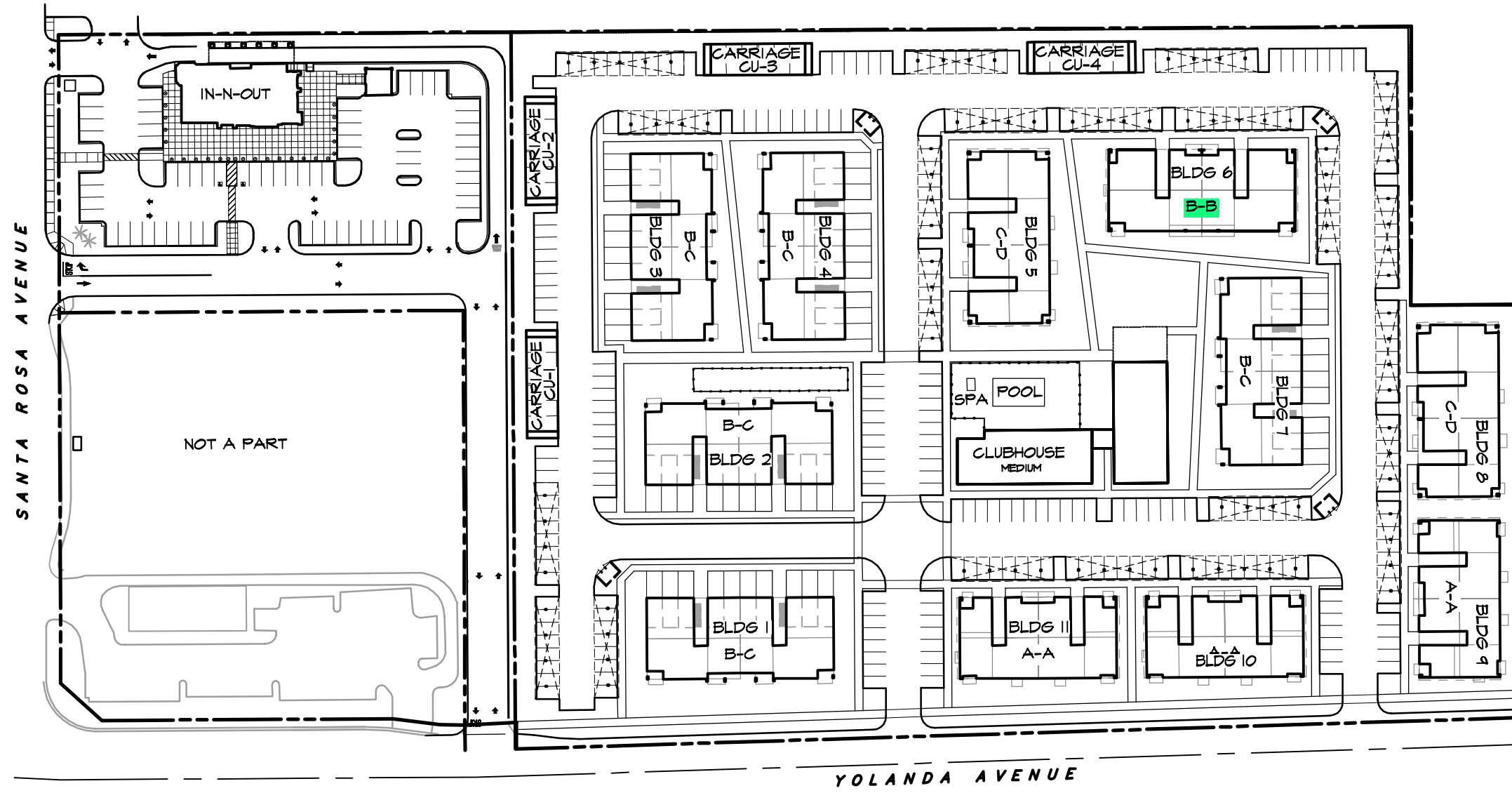
Received By: \_\_\_\_\_  
 Signature

2.29.16.8:35  
 Date Time

# **APPENDIX G**

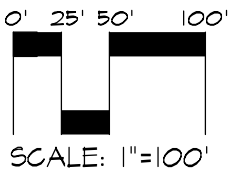
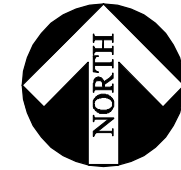
## **OTHER SUPPORTING DOCUMENTATION**

SITE PLAN



LEGEND

- FENCING
- TRASH ENCLOSURE
- CARPORT



# YOLANDA

## CONCEPT DESIGN PACKAGE

SANTA ROSA, CA

03.22.2018



# PROJECT INFORMATION

## GENERAL:

ADDRESS: 325 YOLANDA AVENUE & 2532 SANTA ROSA AVENUE  
 GENERAL PLAN DESIGNATION: RETAIL & BUSINESS SERVICE  
 ZONING: CG GENERAL COMMERCIAL

## SITE SUMMARY:

TOTAL GROSS SITE AREA (RESIDENTIAL): 8.4 ACRES  
 RESIDENTIAL DENSITY: 252 UNITS / 8.4 ACRES = 30 UNITS/ACRE  
 TOTAL GROSS SITE AREA (COMMERCIAL): 1.6 ACRES

## PARKING SUMMARY:

### RESIDENTIAL:

PARKING REQUIRED: 133 UNITS OF STUDIO OR 1 BEDROOM X 1.5 SPACES = 199.5 SPACES  
 119 UNITS OF 2 OR 3 BEDROOMS X 2.5 SPACES = 297.5 SPACES  
 TOTAL REQUIRED = 497 SPACES

### PARKING PROVIDED:

COVERED SPACES: TUCK-UNDER GARAGES = 50 SPACES  
 CARRIAGE UNIT GARAGES = 24 SPACES  
 CARPORTS = 182 SPACES  
 TOTAL COVERED SPACES = 256 SPACES  
 UNCOVERED SPACES: TANDEM AT TUCK-UNDER GARAGES = 50 SPACES  
 UNCOVERED = 121 SPACES  
 TOTAL UNCOVERED SPACES = 171 SPACES  
 TOTAL SPACES PROVIDED: 427 SPACES

### COMMERCIAL:

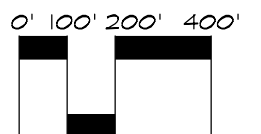
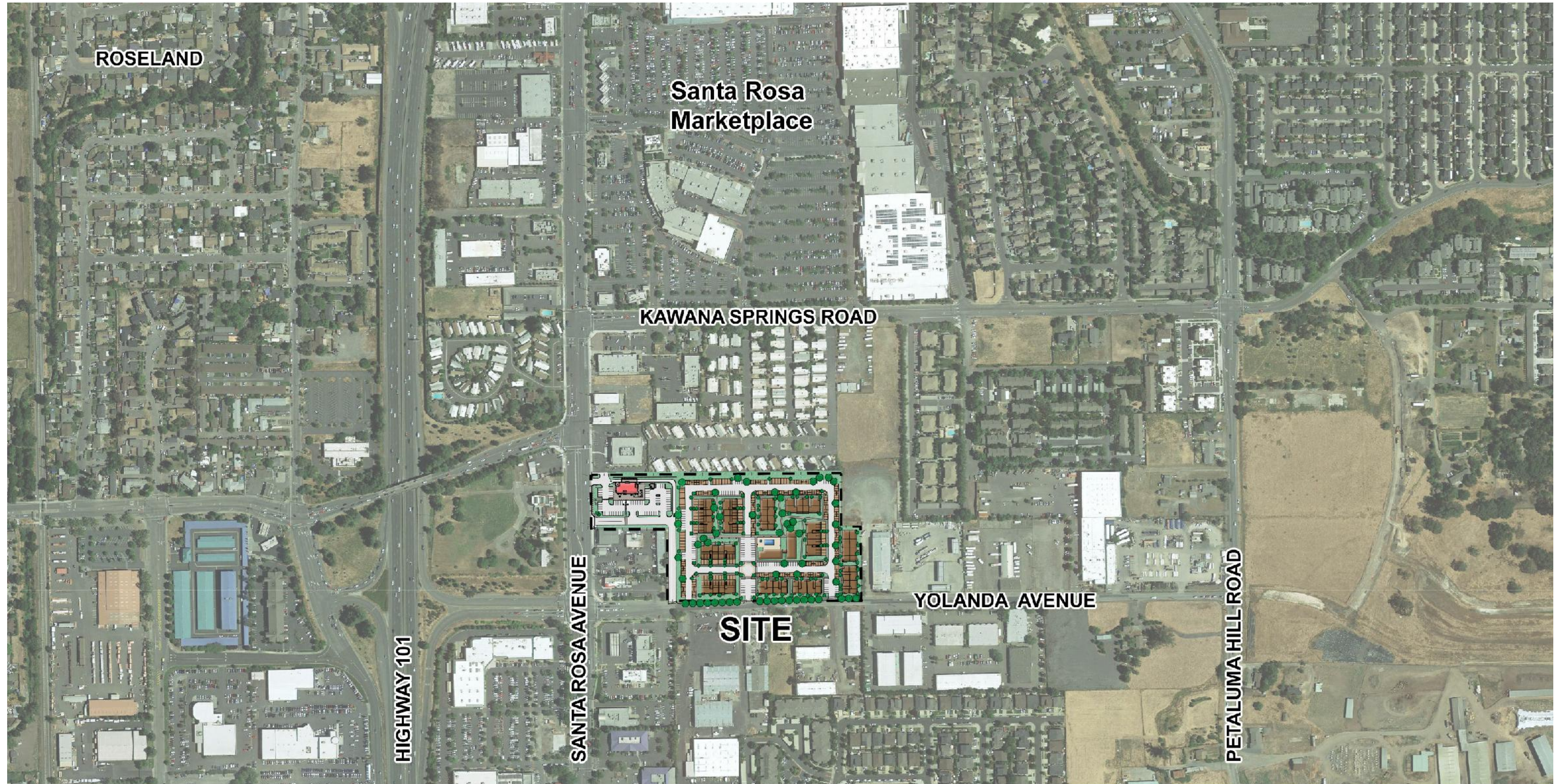
PARKING REQUIRED: 51 SPACES (1 SPACE PER 75 SF)  
 PARKING PROVIDED: 66 SPACES

### RESIDENTIAL BUILDING SUMMARY:

|  | NUMBER OF BUILDINGS | HEIGHT  |
|--|---------------------|---------|
| BUILDING TYPE A-A                        | 3                   | 3-STORY |
| BUILDING TYPE B-B                        | 1                   | 3-STORY |
| BUILDING TYPE C-D                        | 2                   | 3-STORY |
| BUILDING TYPE B-C (W/TUCK-UNDER PARKING) | 5                   | 3-STORY |
| CARRIAGE UNIT                            | 4                   | 2-STORY |
| CLUBHOUSE/LEASING & FITNESS              | 1                   | 1-STORY |

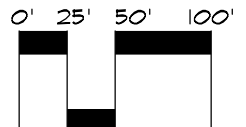
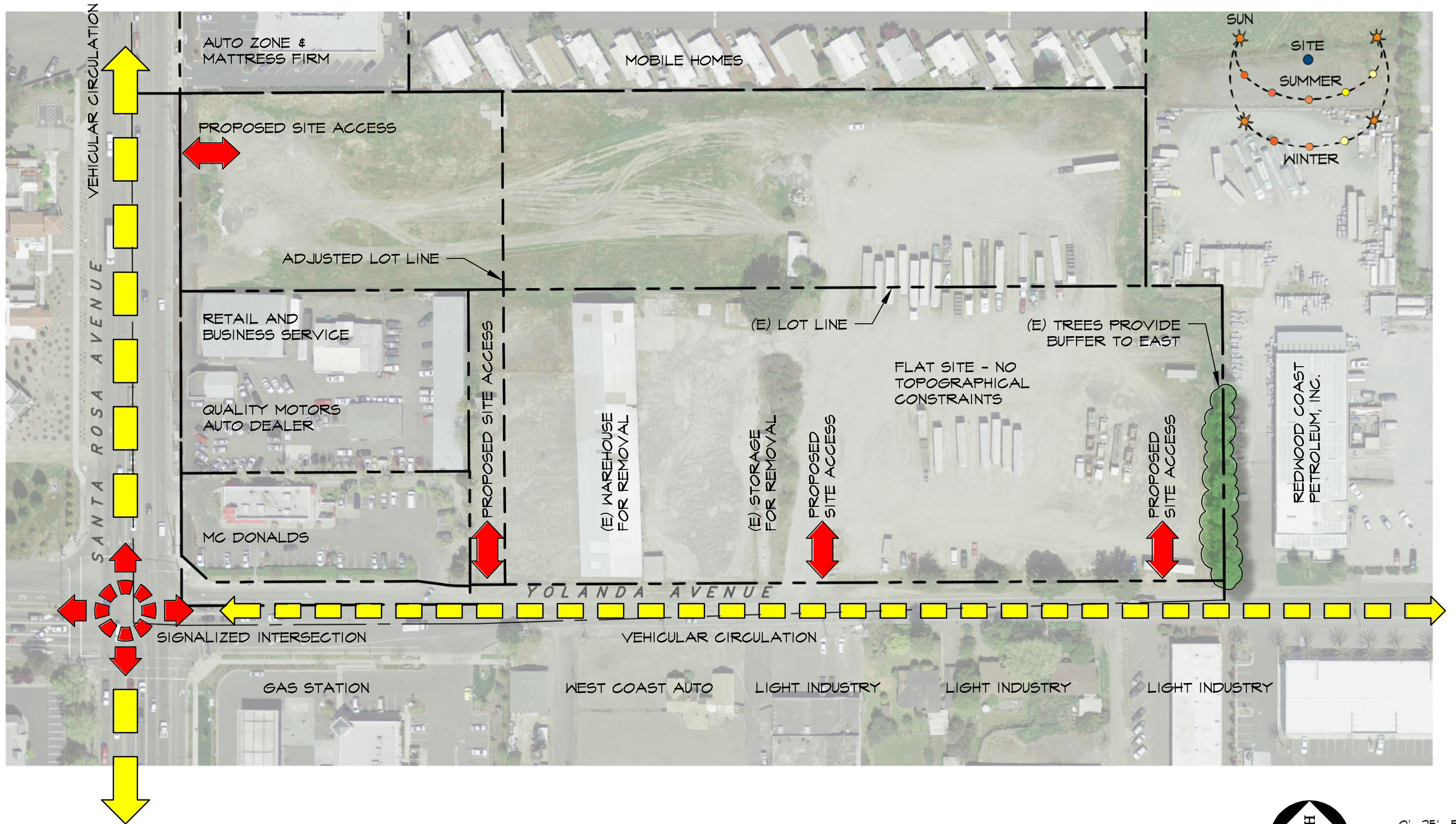
|                    | Chassis A  | Chassis B  | Chassis C  | Chassis D  | B-tuck     | C-tuck     | Carraige   |            |                           |                     |                           |                        |           |                                       |                              |              |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------|---------------------|---------------------------|------------------------|-----------|---------------------------------------|------------------------------|--------------|
| <b>QTY</b>         | 6          | 2          | 2          | 2          | 5          | 5          | 4          |            | <b>TOTAL CHASSIS</b>      | <b>26</b>           |                           |                        |           | <b>Building Types</b>                 |                              |              |
| <b>UNIT TYPE</b>   | <b>QTY</b> | <b>QTY</b> | <b>QTY</b> | <b>QTY</b> | <b>QTY</b> | <b>QTY</b> | <b>QTY</b> |            | <b>TOTAL UNITS</b>        | <b>UNIT SQ. FT.</b> | <b>TOTAL UNIT SQ. FT.</b> | <b># of baths</b>      |           | <b>Type</b>                           | <b>Chassis Configuration</b> | <b>Count</b> |
| S1 Studio (#3)     | 18         |            |            |            |            |            |            | 7%         | 18                        | 544                 | 9792                      | 18                     |           | Bldg type 1                           | A-A                          | 3            |
| A1 1BD/ 1BA (#10)  |            | 6          |            | 6          | 15         |            |            | 46%        | 27                        | 624                 | 16848                     | 27                     |           | Bldg type 2                           | B-B                          | 1            |
| A2 1BD/ 1BA (#14)  | 18         | 6          | 6          |            | 10         | 10         |            |            | 50                        | 672                 | 33600                     | 50                     |           | Bldg type 3                           | C-D                          | 2            |
| A3 1BD/ 1BA (#17)  |            |            |            | 12         |            |            |            |            | 12                        | 684                 | 8208                      | 12                     |           | Bldg type 4                           | B-C *W/TUCK UNDER            | 5            |
| A4 1BD+/1BA (#19)  | 18         |            |            |            |            |            |            |            | 18                        | 792                 | 14256                     | 18                     |           | ** 10 garages per tuck under building |                              |              |
| Carraige Unit      |            |            |            |            |            |            | 8          |            | 8                         | 762                 | 6096                      | 8                      |           |                                       |                              |              |
| B1 2BD/ 2BA (#24)  | 18         |            | 6          | 6          |            | 25         |            | 39%        | 55                        | 965                 | 53075                     | 110                    |           |                                       |                              |              |
| B2 2BD/ 2BA (new)  |            | 6          | 12         |            | 10         | 15         |            |            | 43                        | 1045                | 44935                     | 86                     |           |                                       |                              |              |
| C1 3BD/ 2BA (#30)  |            | 6          |            |            | 15         |            |            | 8%         | 21                        | 1223                | 25683                     | 42                     |           |                                       |                              |              |
| <b>TOTAL UNITS</b> | <b>72</b>  | <b>24</b>  | <b>24</b>  | <b>24</b>  | <b>50</b>  | <b>50</b>  | <b>8</b>   | <b>252</b> | <b>TOTAL NET RENTABLE</b> | <b>212493</b>       | <b>371</b>                | <b>TOTAL BUILDINGS</b> | <b>11</b> |                                       |                              |              |
|                    |            |            |            |            |            |            |            |            | <b>Average Unit SF</b>    | <b>843</b>          |                           |                        |           |                                       |                              |              |

NEIGHBORHOOD CONTEXT

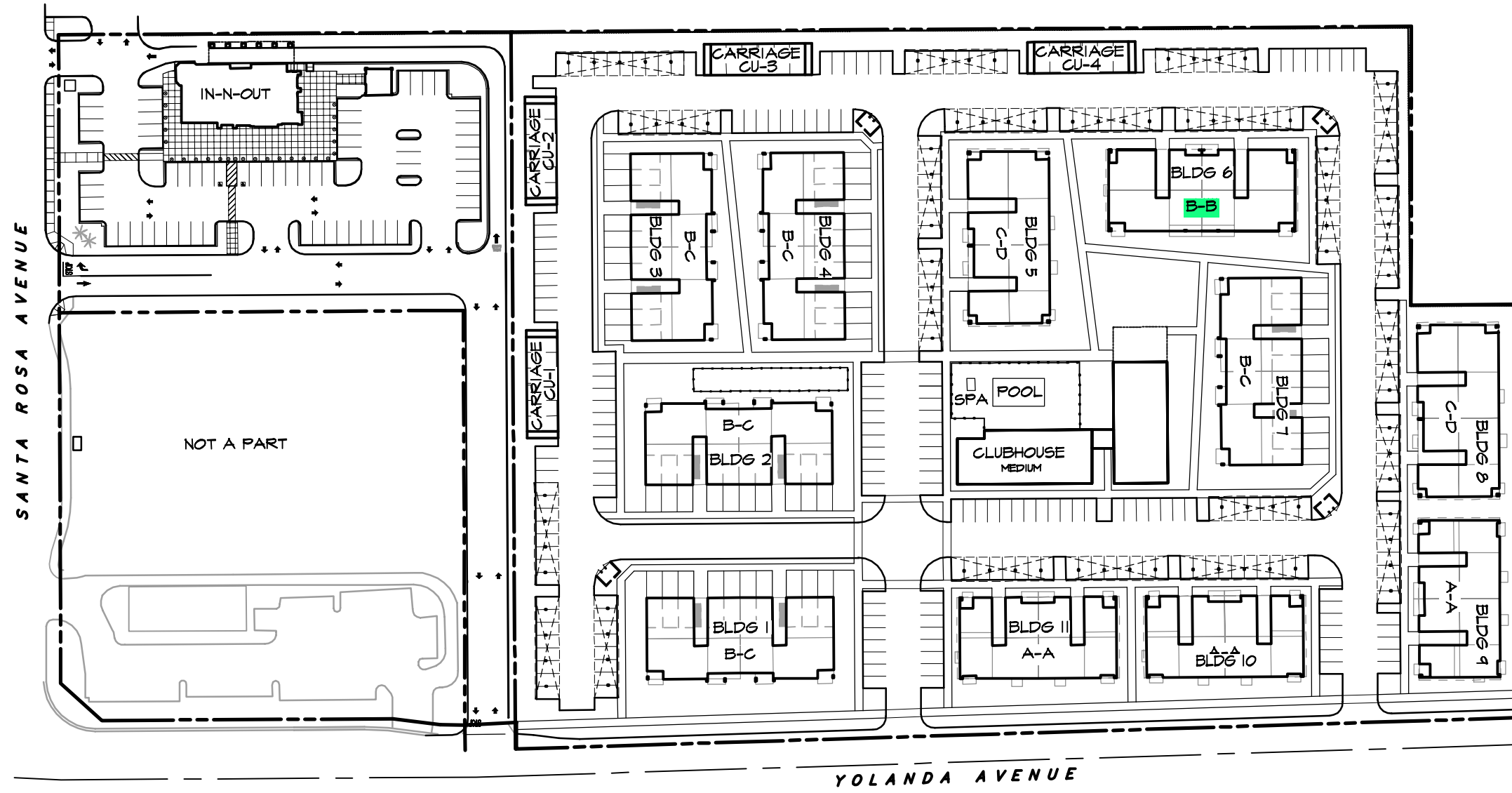




SITE ANALYSIS

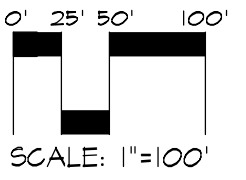
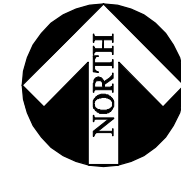


SITE PLAN

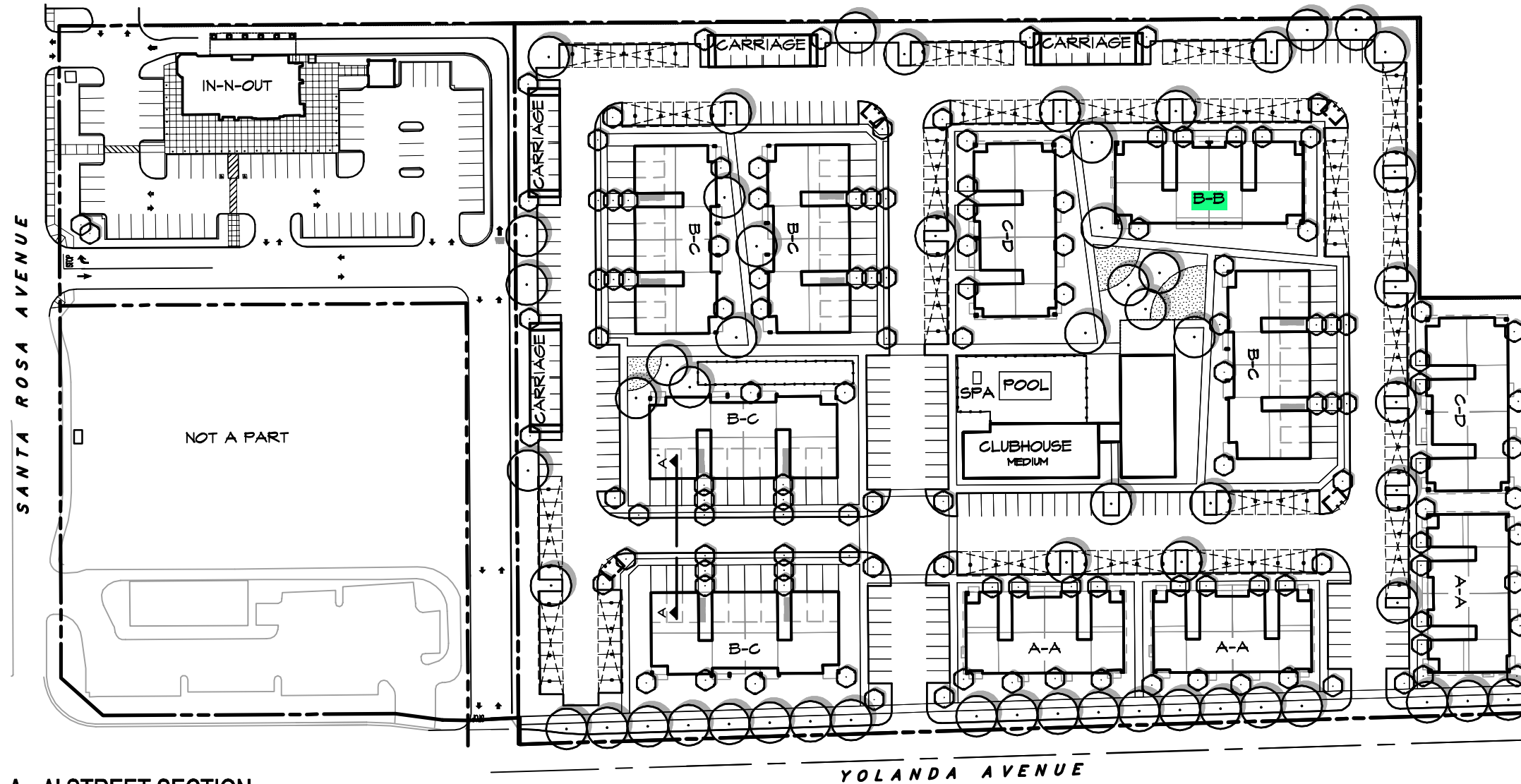


LEGEND




- FENCING
- TRASH ENCLOSURE
- CARPORT

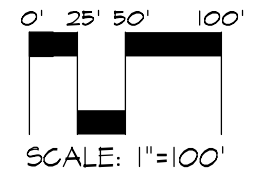
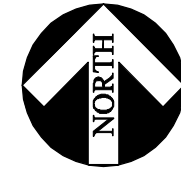


# CONCEPT LANDSCAPE PLAN

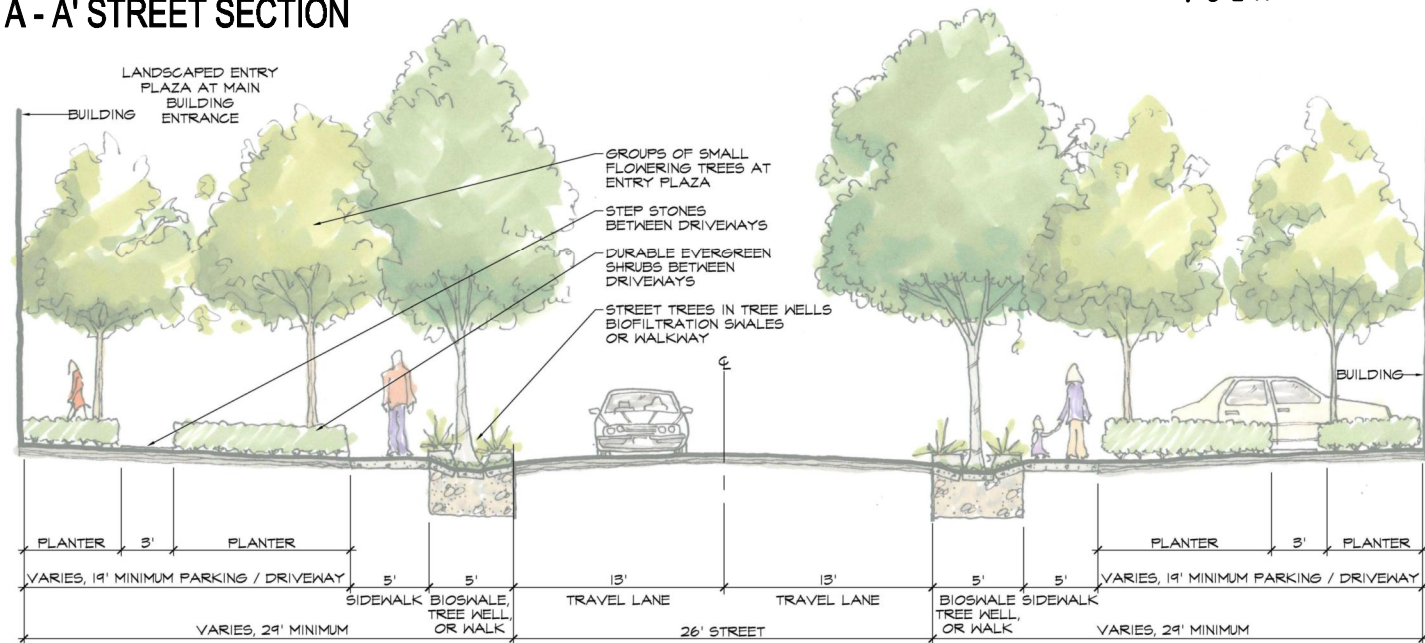


## LEGEND

-  DECIDUOUS SHADE TREES
-  ORNAMENTAL TREES
-  TURF AREAS



## A - A' STREET SECTION



# **APPENDIX H**

# **QUALIFICATIONS**

## **Christopher Olsen – Associate Consultant**

---

### **Education:**

BA Environmental Studies, UC Santa Barbara  
MBA Santa Clara University, Leavey School of Business

### **Training/Licenses/Registrations:**

AHERA, Asbestos Building Inspector

### **Summary of professional experience:**

Mr. Olsen has had experience in the environmental consulting, property disclosure, and real estate due diligence industry since 1994. Mr. Olsen has performed several thousand Phase I ESAs, including Fannie Mae, Freddie Mac, HUD and FDIC scopes of work. Mr. Olsen has performed asbestos, lead-based paint, radon, and mold sampling on hundreds of Phase I ESA projects. He has completed Phase I ESA projects on all property types, including heavy and light industrial, commercial office and retail, hospitality, multi-family, mobile home parks, hospital and skilled nursing facilities, resort properties, automotive service facilities, and waste processing facilities. Mr. Olsen has several years' experience reviewing Phase I ESA reports, and conducting "desk reviews" of Phase I ESAs as a third party reviewer. Mr. Olsen has completed approximately 50 PCA reports.

Select Phase I ESA project experience for Mr. Olsen includes:

- Oakridge Shopping Center, San Jose, CA - This 1.14M SF shopping center was constructed in 1971. HRECs were identified in connection with a former auto service facility which was on site. Mr. Olsen recommended an ACM O&M plan.
- Garaventa Transfer Station, Pittsburg, CA - This 11.05 acre site is a recycling and solid waste transfer station. RECs were identified and an ACM O&M plan was recommended as well as continued groundwater monitoring and remediation per RWQCB requirements.
- Embassy Suites, South Lake Tahoe, CA - Embassy Suites is a resort hotel. No RECs were identified; however, Mr. Olsen recommended an ACM O&M plan.
- Durkee Industrial Facility, Richmond, CA - This 6.32 acre commercial/industrial property was found to have multiple RECs due to historic industrial uses. Groundwater contamination was reported. Mr. Olsen recommended continued groundwater monitoring and remediation per RWQCB requirements.
- Office Tower, 100 Van Ness Ave, San Francisco, CA - This 29 story office tower constructed in 1973 was undergoing a complete interior renovation for conversion to residential use. Several RECs were identified due to the operation of vaulted tanks without permits or tank testing documentation.
- Mixed-use Property, Oakland, CA - This 2.45 acre site consisted of ten office and retail buildings constructed between 1868 and 1881. RECs were identified in connection with undocumented former onsite contaminated soil removal. Additionally, an adjacent open SLIC case (groundwater contamination) was reported.
- Portfolio of five multi-family residential facilities, San Francisco, CA - No RECs were found while reviewing this portfolio of multi-family residential properties in San Francisco. Mr. Olsen recommended both ACM and LBP O&M plans for these properties.

## **Margo Mackey, REPA – National Client Manager**

---

University of San Francisco, M.S., Environmental Management  
Registered Environmental Property Assessor, Registrant Number 797512

Since 1989, Ms. Mackey has conducted environmental surveys and reviewed technical reports for over 1500 properties developed with industrial, agricultural, or commercial uses. Ms. Mackey has provided storm water compliance services for municipal agencies and has developed and conducted training classes for environmental site assessments and storm water management. She has provided environmental site assessments, project management and technical reviews on large multi-site assessment projects. She has also managed subsurface investigations, underground storage tank removal projects and has collected environmental related samples. In these capacities, she corresponds with regulatory agency personnel, property owners, facility managers and tenants, and works under deadlines. In addition, she's completed AHERA accredited Building Inspector for Asbestos courses.

Select project experience for Ms. Mackey includes:

- Conducted numerous Phase I ESAs including for large financial institution where an office building located in a downtown area was discharging water contaminated with solvents to the storm water system. Subsequently, a carbon filter treatment system was constructed at the site to provide proper treatment prior to discharge.
- Provided environmental site assessment services at five golf courses located in northern California. Several of the sites had previously been landfill sites with groundwater and methane gas monitoring systems. Numerous agency records were reviewed to evaluate potential recognized environmental conditions at each of the sites.
- Conducted site survey risk assessments to assess pollution risks at various facilities including a jet fueling facility and large municipal waste water pollution treatment plant.
- Provided technical assistance, training and peer review for Phase I ESAs at 62 former military sites in Alaska.
- Conducted storm water services for a municipality at a closed landfill and a municipal operation center, per permit requirements. This work included compliance reporting via online SWARM database input, training services and facility inspections.

# **APPENDIX I**

## **LIST OF COMMONLY USED ABBREVIATIONS**

## UNITS

|              |                         |              |                      |
|--------------|-------------------------|--------------|----------------------|
| <b>µg/L</b>  | Micrograms per Liter    | <b>pCi/L</b> | PicoCuries per Liter |
| <b>mg/kg</b> | Milligrams per Kilogram | <b>ppb</b>   | Parts per Billion    |
| <b>mg/L</b>  | Milligrams per Liter    | <b>ppm</b>   | Parts per Million    |

## ABBREVIATIONS AND ACRONYMS

|                |  |                  |   |
|----------------|--|------------------|---|
| <b>ACM</b>     | Asbestos-Containing Material   | <b>NESHAP</b>    | National Emission Standards for Hazardous Air Pollutants  |
| <b>ADJ</b>     | Adjacent site  | <b>NFA</b>       | No Further Action   |
| <b>AEI</b>     | AEI Consultants  | <b>NFRAP</b>     | No Further Remedial Action Planned                        |
| <b>AHERA</b>   | Asbestos Hazard Emergency Response Act   | <b>NLR</b>       | No Longer Reporting                                       |
| <b>APN</b>     | Assessor's Parcel Number   | <b>NOV</b>       | Notice of Violation                                       |
| <b>AST</b>     | Aboveground Storage Tank   | <b>NPL</b>       | National Priorities List                                  |
| <b>AUL</b>     | Activity and Use Limitation  | <b>O&amp;M</b>   | Operations and Maintenance                                |
| <b>bgs</b>     | Below Ground Surface   | <b>OEC</b>       | Other Environmental Considerations                        |
| <b>BTEX</b>    | Benzene, Toluene, Ethylbenzene, and Xylenes  | <b>OSHA</b>      | Occupational Safety and Health Administration             |
| <b>CERCLA</b>  | Comprehensive Environmental Response Compensation and Liability Act                | <b>PCB</b>       | Polychlorinated Biphenyl                                  |
| <b>CERCLIS</b> | Comprehensive Environmental Response Compensation and Liability Information System | <b>PCE, PERC</b> | Perchloroethylene, Tetrachloroethylene, Tetrachloroethene |
| <b>CESQGs</b>  | Conditionally Exempt Small Quantity Generators                                     | <b>RCRA</b>      | Resource Conservation and Recovery Act                    |
| <b>COC</b>     | Contaminant of Concern   | <b>REC</b>       | Recognized Environmental Condition                        |
| <b>CREC</b>    | Controlled Recognized Environmental Condition                                      | <b>RP</b>        | Responsible Party   |
| <b>EC</b>      | Engineering Controls   | <b>SDS</b>       | Safety Data Sheet   |
| <b>EDR</b>     | Environmental Data Resources, Inc.   | <b>SEMS</b>      | Superfund Enterprise Management System                    |
| <b>EPA</b>     | Environmental Protection Agency  | <b>SF</b>        | Square Footage/Square Feet                                |
| <b>ERIS</b>    | Environmental Risk Information Services  | <b>SP</b>        | Subject Property  |
| <b>ERNS</b>    | Emergency Response Notification System   | <b>SQG</b>       | Small Quantity Generator                                  |
| <b>ESA</b>     | Environmental Site Assessment  | <b>SWLF</b>      | Solid Waste Landfill                                      |
| <b>GPR</b>     | Ground-Penetrating Radar   | <b>SVOC</b>      | Semi-Volatile Organic Compound                            |
| <b>HREC</b>    | Historical Recognized Environmental Condition                                      | <b>TCE</b>       | Trichloroethylene, Trichloroethene                        |
| <b>HVAC</b>    | Heating, Ventilation and Air Conditioning  | <b>TPH</b>       | Total Petroleum Hydrocarbons                              |
| <b>HWS</b>     | Hazardous Waste Site   | <b>TPHd</b>      | Total Petroleum Hydrocarbons (diesel range)               |
| <b>IC</b>      | Institutional Controls   | <b>TPHg</b>      | Total Petroleum Hydrocarbons (gasoline range)             |
| <b>LBP</b>     | Lead-Based Paint   | <b>TPHo</b>      | Total Petroleum Hydrocarbons (oil range)                  |
| <b>LCP</b>     | Lead-Containing Paint  | <b>TRPH</b>      | Total Recoverable Petroleum Hydrocarbons                  |
| <b>LLP</b>     | Landowner Liability Protection   | <b>TSDF</b>      | Treatment, Storage, and Disposal Facility                 |
| <b>LQG</b>     | Large Quantity Generator   | <b>USDA</b>      | United States Department of Agriculture                   |
| <b>LUST</b>    | Leaking Underground Storage Tank   | <b>USGS</b>      | United States Geological Survey                           |
| <b>MCL</b>     | Maximum Contaminant Level  | <b>UST</b>       | Underground Storage Tank                                  |
| <b>MTBE</b>    | Methyl Tertiary Butyl Ether  | <b>VCP</b>       | Voluntary Cleanup Program                                 |
| <b>ND</b>      | None Detected  | <b>VOC</b>       | Volatile Organic Compound                                 |