

## **Appendix F: Hazards and Hazardous Materials Supporting Information**

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## **F.1 - Phase I Environmental Site Assessment**

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GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING  
CONSTRUCTION TESTING & INSPECTION

November 3, 2017

Project No. 034-17125

Mr. Justin Hardt  
Integrated Community Development  
21031 Ventura Boulevard, Suite 200  
Woodland Hills, California 91364  
[jhardt@icdemail.com](mailto:jhardt@icdemail.com)

RE: Phase I Environmental Site Assessment  
Proposed Residential Development Property  
28195 Highway 101  
APNs 117-040-053 and -084  
Cloverdale, California 95425

Dear Mr. Hardt:

Krazan & Associates, Inc., (Krazan) completed a Phase I Environmental Site Assessment at the referenced site, summarized in a report dated November 3, 2017. We appreciate the opportunity to serve your environmental due diligence needs. During the course of this assessment, Krazan identified the following evidence of recognized environmental conditions (RECs), potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues in connection with the subject site:

#### RECs

- According to records on file with the California Regional Water Quality Control Board (RWQCB), two leaking underground storage tank (LUST) cases are associated with the 28181 Redwood Highway address which is located adjacent to the northwest of the access road which comprises the far eastern portion of the subject site. The earliest LUST case which is associated with the removal of two 8-000-gallon fuel USTs and a 1,000-gallon fuel UST was granted a closure and no further action status on November 7, 1995. The USTs associated with this LUST case were located approximately 215 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. According to the case closure summary dated November 14, 1994, subsurface soil and groundwater samples were collected and four groundwater monitoring wells were installed. Groundwater is reported to have been first encountered at depths of 1 to 7 feet below ground surface (bgs) and the groundwater flow direction is reported to have been south-southwest to south-southeast, placing the former USTs hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Remediation included excavation and off-site disposal of 750 cubic yards of impacted/potentially impacted soil and the removal of groundwater from the base of the tank excavation pit. Review of the maximum documented contaminant concentrations in soil and groundwater before and after cleanup reveals that a relatively minor subsurface impact existed before and after cleanup. Analysis of groundwater from the base of the excavation for gasoline-range total petroleum hydrocarbons (TPH-g), diesel-range total petroleum hydrocarbons (TPH-d),

and benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents revealed only TPH-d and xylenes to be present before the cleanup (73 µg/l and 63 µg/l, respectively), and none of the constituents of concern (COCs) was reportedly detected following the cleanup. Additionally, analysis of groundwater samples collected from a monitoring well located between the subject site and the former fuel USTs in April 1991 did not reveal any of the COCs to be present above their respective laboratory reporting limits. Based on the removal of the contaminant source, the relatively minor subsurface impact, the reported absence of a detectable groundwater impact after cleanup, the absence of a groundwater impact in April 1991 at a well located downgradient of the release and upgradient of the subject site, and the location of the former USTs 215 feet distant, there is no evidence to suggest that these three former fuel USTs previously located at this site currently represent an environmental concern in connection with the subject site.

A portion of the former Jet Trucking facility was recently redeveloped with a fueling station by Renner Petroleum, which according to a County of Sonoma Fire & Emergency Services Department (CSFESD) representative, is currently compliant with UST installation, operation, and monitoring requirements. However, during the late-2015/2016 Renner Petroleum fueling station redevelopment, two additional USTs were discovered presumed to have been associated with the former Jet Trucking facility, including a 750-gallon single-wall steel UST containing waste oil and a 1,100-gallon single-wall steel diesel fuel UST. Holes were observed in both USTs at the time of removal and soil samples were collected from beneath each end of both USTs. Records on file with the RWQCB indicate that the waste oil and diesel fuel UST were located approximately 105 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. As with the closed LUSTs discussed previously, these two former USTs are located hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Analysis of the soil samples collected from beneath the waste oil UST revealed maximum concentrations of TPH-g at 13 mg/kg, motor oil-range total petroleum hydrocarbons (TPH-mo) at 96 mg/kg, TPH-d at 660 mg/kg, and Oil & Grease at 930 mg/kg. No other volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or PCBs were detected in any of the samples analyzed. Following over-excavation of the tank pit and sampling at 12 feet bgs, maximum soil concentrations were TPH-d at 2.2 mg/kg and TPH-mo at non-detect, suggesting that over-excavation successfully removed impacted soil from the waste oil UST location. Analysis of the soil samples collected from beneath the diesel UST revealed maximum concentrations of TPH-d at 66 mg/kg and BTEX constituents at 0.6 mg/kg (benzene) to 28.8 mg/kg (xylenes). Based on these data, the consultant requested that a case closure and no further action status be granted in correspondence dated January 29, 2016, although groundwater or soil vapor do not appear to have been sampled in connection with the late-2015/early-2016 investigation.

Closure was not granted by the oversight agencies, and this LUST site was placed in the Sonoma County Department of Health Services – Environmental Health & Safety Division (SCEHSD) LOP program. The SCEHSD has requested submission of a work plan for a preliminary site assessment from MLRX2, LLC and Chevron, the apparent responsible parties for the former USTs. The requested work plan is due to the SCEHSD for review by November 8, 2017, and will presumably include an assessment of current groundwater and possibly soil vapor conditions. Given the reportedly very shallow depth to groundwater and the apparent absence of any groundwater or soil vapor assessment in association with the documented releases from the 750-gallon waste oil UST and the 1,100-gallon diesel fuel UST, coupled with the location of these former USTs hydraulically upgradient of the far eastern portion of the subject site and approximately 105 feet distant, the potential exists for a release(s) from these former USTs to have migrated downgradient with groundwater flow and impacted the subsurface of the far eastern portion of the subject site. Consequently, the condition of the subsurface of the subject site is unknown.

Therefore, at the direction of Krazan's client, a limited subsurface assessment is being conducted by Krazan concurrent with this Phase I ESA to assess the presence or absence of significant concentrations of volatile organic compound and petroleum hydrocarbon constituents of concern related to the current/historical use of properties located proximate to the subject site, the results of which will be provided under separate cover.

### **PAOCs**

- Review of historical aerial photographs and/or information obtained from representatives of the owner of the subject site indicate that the subject site was utilized for the cultivation of hay, prunes, and possibly other crops from at least 1953 until at least 2014. Additionally, a representative of the owner of the subject site indicated that imported soil from an apple orchard is located in the cultivated portion of the subject site. Based on the time frame in which the subject site was cultivated and the reported presence of imported orchard soil, the potential exists that environmentally persistent pesticides and/or herbicides were historically applied to the crops located on the subject site and/or to the imported orchard soil reportedly located on site. Consequently, given the potential use of environmentally persistent pesticides/herbicides, the agricultural use of the subject site for an extended period of time, the presence of imported orchard soil, and the planned redevelopment of the subject site for residential purposes, assessment of surficial soils for residues of environmentally persistent pesticides/herbicides was considered to be prudent. Therefore, at the direction of Krazan's client, a limited soil assessment is being conducted by Krazan concurrent with this Phase I ESA to assess the presence or absence of significant concentrations of environmentally persistent pesticides/herbicides related to the historical agricultural use of the subject site, the results of which will be provided under separate cover.

### **ASTM Non-scope Issues**

- The dwelling located on the subject site was apparently originally constructed in approximately 1960/1961. It is unknown if the on-site structures contain asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or LBP survey and sampling of the on-site structures were not included within the scope of this assessment. However, based on the apparent date of construction of the dwelling, ACMs and LBP may be present at the subject site. During Krazan's October 20, 2017 site reconnaissance, no damaged building materials or friable suspect ACMs which appeared to be posing a health hazard were noted in the on-site dwelling. Furthermore, no evidence of significant peeling paint was observed in association with the accessible portions of the on-site dwelling. Prior to the disturbance of any of the suspect ACMs or LBP at this property via renovation or demolition, a comprehensive asbestos and LBP survey designed to determine if the suspect ACM and LBP are regulated materials is recommended. If such materials are identified and need to be disturbed, repaired, or removed, a licensed abatement contractor should be consulted. Suspect ACMs and LBP can also be managed through the use of an Operations and Maintenance (O&M) plan.

### **Site Development Issues**

- During Krazan's site reconnaissance, a water well no longer in use was observed in the southeastern portion of the subject site, and a representative of the subject owner, Mr. Baumgardner, stated that dwelling located in the western portion of the subject site is connected to an adjacent on-site septic system. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported/presumed use for domestic purposes only. If the water well and/or septic system are not to be used in the planned redevelopment of the

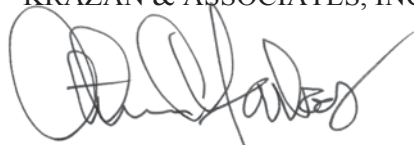
subject site, they should be properly abandoned/closed or destroyed in accordance with State and local guidelines.

Additionally, Mr. Baumgardner stated that an agricultural water well was previously located in the central-southern portion of the subject site 75 feet to the north of the tractor shed. Mr. Baumgardner stated that this agricultural water well was a hand-dug well which was properly filled with gravel/sand/soil such that its former location is no longer discernable. If it is discovered during the planned redevelopment of the subject site that the hand-dug well was not properly destroyed, the well should be properly destroyed in accordance with State and local guidelines.

Our firm specializes in full-service Site Development Engineering with considerable project management experience. When you are interested in proceeding with the previously unaddressed recommended work, Krazan can evaluate your unique circumstances and prepare a proposal and cost estimate for the additional assessment including the proposed scope of work, budget, and anticipated project schedule.

If you have any questions regarding the information presented in this report, please call me at (559) 348-2200.

Respectfully Submitted,  
KRAZAN & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Arthur C. Farkas', is written over a faint, circular stamp or watermark.

Arthur C. Farkas, REA No. 07818  
Environmental Professional

ACF/mlt



**PHASE I ENVIRONMENTAL  
SITE ASSESSMENT  
PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNs 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

Pursuant to ASTM E 1527-13

Project No. 034-17125  
November 3, 2017

Prepared for:  
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GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING  
CONSTRUCTION TESTING & INSPECTION

November 2, 2017

Project No. 034-17125

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNs 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**1.0 EXECUTIVE SUMMARY**

Krazan & Associates, Inc. (Krazan) has conducted a Phase I Environmental Site Assessment (ESA) of the Proposed Residential Development Property associated with Sonoma County Assessor's Parcel Numbers (APNs) 117-040-053 and -084 located at 28195 Highway 101 in Cloverdale, California 95425 (subject site). It is incumbent upon the User to read this Phase I ESA report in its entirety. If not otherwise defined within the text of this report, please refer to the Glossary of Terms Section following the References Section for definitions of terms and acronyms utilized within this Phase I ESA report. Krazan conducted the Phase I ESA of the subject site in conformance with the American Society for Testing and Materials (ASTM) E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This Phase I ESA constitutes all appropriate inquiry (AAI) designed to identify recognized environmental conditions (RECs) in connection with the previous ownership and uses of the subject site as defined by ASTM E 1527-13.

ASTM E 1527-13 Section 1.1.1 *Recognized Environmental Conditions* – In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify recognized environmental conditions. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

Krazan's findings of this Phase I ESA revealed evidence of recognized environmental conditions (RECs) and potential areas of concern (PAOCs) related to the potential for impacts to the subject site subsurface from former on-site operations and/or from vicinity fuel/hazardous materials release sites, including: 1) documented leaking underground storage tank (LUST) releases at the northern adjoining former Jet



Trucking LUST site located immediately adjacent to the subject site and hydraulically upgradient of the subject site, and 2) potential soil impacts from environmentally persistent pesticides/herbicides associated with historical farming operations and/or the reported presence of soil imported from an apple orchard. Additionally, ASTM non-scope issues were identified in connection with the potential presence of asbestos-containing materials and/or lead-based paint associated with the on-site structures, and site development issues were identified in connection with the presence of water wells and septic systems. Please refer to Section 8.0 Conclusions/Opinions for a discussion of these areas of concern.

## **2.0 PURPOSE AND SCOPE OF ASSESSMENT**

### **2.1 Purpose**

According to ASTM E 1527-13, the purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and *petroleum products*. As such, this practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitation on CERCLA liability (hereinafter, the *landowner liability protections*, or *LLPs*): that is, the practice that constitutes *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B).

### **2.2 Scope of Work**

The Phase I ESA includes the following scope of work: a) a site reconnaissance of existing on-site conditions and observations of adjacent property uses, b) a review of user-provided documents, c) a review of historical aerial photographs, a review of pertinent building permit records, cross-reference directories, historical Sanborn Fire Insurance Maps (SFIMs), and interview(s) with person(s) knowledgeable of the previous and current ownership and uses of the subject site, d) a review of local regulatory agency records, and e) a review of local, state, and federal regulatory agency lists compiled by Environmental Data Resources, Inc. (EDR). The scope of work for this Phase I ESA conforms to ASTM E 1527-13. Krazan was provided written authorization to conduct the Phase I ESA by Mr. Justin Hardt with Integrated Community Development on September 27, 2017, in Krazan's September 26, 2017 Proposal/Cost Estimate No. P17-267.

### 3.0 SITE DESCRIPTION

The subject site is located west of S. Redwood Highway/Highway 101 and south of Sandholm Lane and is associated with the City of Cloverdale in a currently unincorporated area of Sonoma County, California. The subject site consists of two parcels collectively measuring approximately 28.5 acres with the associated Sonoma County APNs of 117-040-053 and -084. The subject site is currently developed with a rural residence which includes a 1,625-square-foot dwelling with a detached storage building, a canopy shop structure, two somewhat dilapidated sheds/barns, and a somewhat dilapidated well house. The subject site is associated with addresses of 28195 Highway 101 and 28195 S. Redwood Highway. The existing subject site dwelling was reportedly originally constructed in 1960/1961 and the eastern-most barn has been located on site since sometime prior to 1953. The remainder of the subject site is fallow agricultural land/pasture (eastern and central portions) and undeveloped forested land (western portion), with unpaved/gravel-paved roads present proximate to and between structures.

General property information and property use are summarized in the following Table I. Refer to Figures No. 1 – 3 following the Reference Section.

**TABLE I**  
**Subject Site Information Summary**

Current Owner:	Virginia C. Neat, Trustee
Assessor's Parcel Numbers:	117-040-053 and -084
Address:	28195 Highway 101 (Parcel address) 28195 S. Redwood Highway Cloverdale, California 95425
Historical Address:	None Identified
General Location:	West of S. Redwood Highway/Highway 101 and south of Sandholm Lane
Acreage:	28.5 acres (approximately)
Existing Use:	Rural Residential / Fallow Agricultural / Forested Land
Number of Buildings:	Dwelling & Detached Storage Building/Canopy Shop Structure Storage Barn/Storage Shed
Original Construction Date:	1960/1961 (Dwelling)
Proposed Use:	Multi-Family Residential
Topographic Map:	U.S. Geological Survey, 7.5-minute Cloverdale, California topographic quadrangle map, dated 1960, photorevised 1975
Topographic Map Location:	Northern half of Section 30 and southeastern half of Section 19, Township 11 North, Range 10 West, Mount Diablo Baseline and Meridian
Latitude/Longitude:	38.77837° / -123.01296°
Topography:	Relatively flat to steeply sloping, approximately 330 to 490 feet above mean sea level

**TABLE I (cont.)**  
**Subject Site Information Summary**

Approximate Depth to Groundwater:	1 to 7 feet below ground surface (bgs), State of California Regional Water Quality Control Board (RWQCB), Geotracker Database, data from 1994 closure report for an environmental investigation/remediation site located adjacent to the north of the far eastern portion of the subject site
Regional Groundwater Flow Direction:	South-southeast to south-southwest, RWQCB, Geotracker Database, data from 1994 closure report for an environmental investigation/remediation site located adjacent to the north of the far eastern portion of the subject site

### **3.1 Geology and Hydrogeology**

The subject site is located within the Cotati Valley, which is associated with the Coast Range Province of California, an asymmetric system of ridges and valleys consisting of marine and non-marine sediments. Sediments in the vicinity of the subject site consist predominantly of moderately plastic, saturated clay with very minor, but highly significant, thin layers or stringers of coarse material ranging from fine-grained sand to coarse sand with gravel. However, because of minor changes in the depositional environment, relatively coarse materials were also deposited resulting in a very heterogeneous assemblage of sediments. Additionally, in some locations relatively coarse-grained material consisting of combinations of sand and gravel (with attendant silt and clay) exist at a depth of approximately 10 feet bgs. These coarse-grained stringers may be laterally discontinuous or may have been deposited in a more sinuous manner resulting in meandering shallow channels that may appear to be laterally discontinuous. Groundwater in the Cotati Valley occurs in a generally unconfined condition, although it is possible that groundwater underlying the subject site is under some degree of confinement. Data obtained from a 1994 closure report for an environmental investigation/remediation site located adjacent to the north of the access road comprising the far eastern portion of the subject site indicates that groundwater in the area of the subject site was first encountered at a depth of approximately 1 to 7 feet bgs. Groundwater monitoring conducted at the above-referenced site indicates that the groundwater flow direction in the vicinity of the subject site in the early-1990s was toward the south-southeast to south-southwest.

### **4.0 SITE RECONNAISSANCE**

A site reconnaissance, which included a visual observation of the subject site and surrounding properties, was conducted by Mr. Bill Vick, Krazan's Environmental Professional, on October 20, 2017. Mr. Don Baumgardner, a grandson of the previous owners of the subject site and an occasional former occupant of the subject site, accompanied Krazan's Environmental Professional during the site reconnaissance. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying

**KRAZAN & ASSOCIATES, INC.**

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recognized environmental conditions, including hazardous substances and petroleum products, in connection with the property (including soils, surface waters, and groundwater).

#### 4.1 Observations

The following Table II summarizes conditions encountered during our site reconnaissance. A discussion of visual observations is presented in the following table. Refer to the Site Map (Figure No. 2) and color photographs following the text for the locations of items discussed in this section of the report.

**TABLE II**  
**Summary of Site Reconnaissance**

<b>Feature</b>	<b>Observed</b>	<b>Not Observed</b>
Structures (existing)	X	
Evidence of Past Uses (foundations, debris)		X
Hazardous Substances and/or Petroleum Products (including containers)	X	
Aboveground Storage Tanks (ASTs)	X	
Underground Storage Tanks (USTs) or Evidence of USTs		X
Evidence of Underground Pipelines		X
Strong, Pungent, or Noxious Odors		X
Pools of Liquid Likely to be Hazardous Materials or Petroleum Products		X
Drums	X	
Unidentified Substance Containers		X
Potential Polychlorinated Biphenyl (PCB)-Containing Equipment	X	
Subsurface Hydraulic Equipment		X
Heating/Ventilation/Air conditioning (HVAC)		X
Stains or Corrosion on Floors, Walls, or Ceilings		X
Floor Drains, Sumps, or Oil/Water Clarifiers		X
Storm Drains		X
Pits, Ponds, or Lagoons		X
Creek / Stream / Drainage Channel	X	
Stained Soil and/or Pavement	X	
Soil Piles		X
Stressed Vegetation		X
Waste or Wastewater (including stormwater) Discharges to Surface/ Surface Waters		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring wells)	X	
Septic Systems	X	

The subject site comprises approximately 28.5 acres of residential and agricultural property and undeveloped land with the associated Sonoma County APNs of 117-040-053 and -084. Refer to Figure No. 2, Site Map, for locations of the following referenced on-site features:

- The western portion of the subject site was observed to be occupied by a rural residential area, including a single-family dwelling reported to be 1,625 square feet (See Photographs No. 1 and No. 2), a detached storage building associated with the dwelling (See Photographs No. 3 and No. 4), a canopy structure utilized as a shop and equipment storage facility (See Photographs No. 5 and No. 6), a dilapidated tractor storage shed (See Photographs No. 7 and No. 8), an home gardening area (See Photograph No. 9), several truck trailers/shipping containers being utilized for storage of personal property (See Photographs No. 10 – No. 12), unpaved and gravel-paved

driveways, and landscaped grounds adjacent to the dwelling. The on-site residential area was observed to be associated with an address of 28195 Highway 101 and/or 28195 S. Redwood Highway.

- At the time of Krazan's October 20, 2017 site reconnaissance, the on-site dwelling was occupied by a family member and the shop was being utilized by Mr. Don Baumgardner for largely personal hobby/maintenance uses. Mr. Baumgardner, familiar with the subject site for the past 40+ years, stated that the shop building was constructed in approximately 1999. Mr. Baumgardner stated that the shop building has only been utilized for light maintenance (oil changes and other routine maintenance activities) for tractors and personal vehicles, including the gravel truck he utilizes as a primary income source (See Photograph No. 6). Although the shop area was somewhat cluttered, housekeeping conditions were generally observed to be good with only *de minimis* surface staining which appeared to be lubricant-related noted on the concrete pad upon which the shop canopy is constructed. The visible portions of the pad appeared to be free of any cracking that penetrated to the underlying ground. No floor drains were observed within the visible portions of the concrete pad and Mr. Baumgardner confirmed that none are present. Mr. Baumgardner stated that, to the best of his knowledge, there has not been a significant unauthorized release of fuel/oil/hazardous materials on the subject site during the 40+ years that he has been familiar with the subject site.
- Hazardous materials and hazardous wastes were observed in association with the shop structure, including compressed welding gases, three 30-gallon drums of gear oil/grease, an approximately 125-gallon waste oil AST, and small quantity containers (one gallon or less) of a variety of common maintenance materials (See Photographs No. 13 – No. 15). The waste oil AST, noted to be resting on gravel-paved ground, appeared to be a double-walled tank; however, this could not be substantiated by observation. Additionally, small quantities of common maintenance materials were observed within a trailer located adjacent to the northwest of the shop canopy used for storage of personal property. Mr. Baumgardner stated that he recently sold his primary residence and was temporarily storing personal property in the trailers/shipping containers located on site. No odors, surface staining, stressed vegetation, or other evidence of a release of waste oil/fuel/hazardous materials was observed in association with the waste oil AST, the hazardous materials storage areas in and surrounding the shop canopy, or the areas surrounding the trailers and shipping containers in which personal property is being stored.
- Other than an empty truck-mounted fuel tank resting on the ground (See Photograph No. 16) and small plastic containers of gasoline/diesel fuel (5 gallons or smaller) observed in the shop area, fuel storage was not observed on the subject site. Mr. Baumgardner stated that an approximately 200-gallon fuel AST was located on site in the 1960s or 1970s; however, he indicated that no fuel ASTs have been located on the subject site in many years. Mr. Baumgardner stated that, to the best of his knowledge, no underground storage tanks have been located on the subject site.
- A dilapidated storage barn containing several bales of hay, several tractors (some of which appeared to be non-functional), an all-terrain vehicle, and farm equipment was observed in the southeastern portion of the subject site (See Photograph No. 17 – No. 19). No evidence of fuel storage or of the presence of hazardous materials in containers greater than five-gallon capacity was observed in association with the dilapidated storage barn.
- A dilapidated water well house was observed adjacent to the northwest of the storage barn in the southeastern portion of the subject site (See Photograph No. 20). The well house was locked and inaccessible at the time of the site reconnaissance. Mr. Baumgardner stated that the water well had not been used in many years and, to the best of his knowledge, had always been electrically powered. The water well and associated pressure tank could only be viewed/photographed

through cracks in the structure; therefore, thorough observation relative to the former power source for this well was precluded. However, no storage tanks, surface staining, or other obvious evidence that the well had been powered by diesel fuel was observed, although lubricant-related staining was present on the wellhead (See Photograph No. 21).

- Wood and metal debris which appeared to be associated with old farm equipment and household goods were observed in the southeastern portion of the subject site adjacent to a drainage channel (See Photograph No. 22). Mr. Baumgardner stated that the area had only been used for limited surface disposal of old farm equipment. Mr. Baumgardner stated that, to the best of his knowledge, no burn pits, subsurface waste disposal, or buried materials are located on the subject site.
- Exterior areas were observed in the central and central-northern portions of the subject site in which a boat, functional and apparently non-functional vehicles/tractors/trailers, farm equipment, and/or maintenance materials were stored (See Photographs No. 23 – No. 26). Although the ground surface directly beneath the stored materials could not be inspected directly, no obvious evidence of a significant release of hazardous materials was observed immediately proximate to the stored materials. Relative to the removal of the vehicles/tractors/trailers, farm equipment, and/or maintenance materials, Ms. Daphne Peterson, a real estate agent associated with the pending property transaction present during the site reconnaissance, stated that the property is being sold “as is.” However, when questioned further, Ms. Peterson stated that the purchase/sale agreement states that all hazardous materials will be removed from the subject site prior to completion of the property purchase.
- The remainder of the subject site not occupied by the previously referenced structures/features was observed to be occupied by an access road (See Photograph No. 27), a drainage channel (See Photograph No. 28), fallow agricultural land (See Photographs No. 29 and No. 31), unpaved and gravel-paved driveways (See Photograph No. 30), landscaped areas around the dwelling, and undeveloped forested land (See Photograph No. 32). No evidence of hazardous materials storage or hazardous waste was observed within these portions of the subject site except as previously noted.
- During the visual observations of the subject site, exposed surface soils did not exhibit obvious signs of discoloration. No obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the areas observed.
- A pole-mounted electrical transformer was observed adjacent to the access road which comprises the far southeastern portion of the subject site. The transformer casing displayed no visual evidence of leakage and the ground surface below the transformer displayed no evidence of discoloration. Based on Krazan’s observations, the Pacific Gas & Electric (PG&E) Company is the owner of the transformer. The transformer was not labeled as to its polychlorinated biphenyl (PCB) status. Based on the visual absence of apparent unauthorized releases of insulating fluids from the on-site transformer at the time of Krazan’s site reconnaissance, the on-site transformer is not currently anticipated to pose an adverse impact to the subject site. However, in the event of a future release/leak of insulating fluids from the on-site transformer, PG&E should be contacted regarding the testing of the transformer for PCB fluids or for its removal/replacement.
- No high-voltage, tower-mounted electrical transmission lines were observed on or within 100 feet of the subject site.



## 4.2 Utilities

Based on Krazan's research, the following Table III summarizes companies/municipalities currently provide utility services to the subject site:

**TABLE III**  
**Municipal Service / Utility Providers**

<b>Service / Utility</b>	<b>Provider</b>
Electricity	Pacific Gas & Electric (PG&E)
Natural Gas	None Observed
Potable Water	South Cloverdale Water Company
Sanitary Sewer	On-site Septic System

### Water / Wells

According to Mr. Baumgardner, potable water is supplied to the subject site by the South Cloverdale Water Company (SCWD). The SCWD's water quality monitoring is an on-going program with water samples obtained on a regular basis. It is the responsibility of the SCWD to provide customers with potable water in compliance with the California State Maximum Contaminant Levels (MCLs) for primary drinking water constituents in water supplied to the public. The SCWD 2016 Consumer Confidence Report indicates that water provided by the SCWD is in compliance with the California State MCLs for primary drinking water.

During Krazan's site reconnaissance, a water well no longer in use was observed within an inaccessible well house located in the southeastern portion of the subject site adjacent to a storage barn. Mr. Baumgardner stated that the water well had not been used in many years and, to the best of his knowledge, had always been electrically powered. The water well and associated pressure tank could only be viewed through cracks in the structure; therefore, thorough observation relative to the former power source for this well was precluded. However, no storage tanks, surface staining, or other obvious evidence that the well had been powered by diesel fuel was observed. No information regarding analytical testing or construction specifications of the on-site well was found during the course of this assessment. If the on-site water well is not to be used in the planned redevelopment of the subject site, it should be properly destroyed in accordance with State and local guidelines.

Additionally, Mr. Baumgardner stated that an agricultural water well was previously located in the central-southern portion of the subject site 75 feet to the north of the tractor shed. Mr. Baumgardner stated that this agricultural water well was a hand-dug well which was properly filled with gravel/sand/soil such that its former location is no longer discernable.

### **Sewer / Septic Systems**

According to Mr. Baumgardner, the dwelling located in the central-western portion of the subject site is connected to an on-site septic system. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported use for domestic purposes only. If the septic system is not to be used in the planned redevelopment of the subject site, it should be properly abandoned/closed or destroyed in accordance with State and local guidelines.

### **4.3 Adjacent Streets and Property Usage**

The following Table IV summarizes the current adjacent roads and adjacent property uses observed during the site reconnaissance.

**TABLE IV**  
**Adjacent Streets and Property Use**

<b>Direction</b>	<b>Adjacent Street</b>	<b>Adjacent Property Use</b>
North	Sandholm Land	Commercial buildings (two unmarked commercial buildings) Single-family residential Commercial – personal mini storage facility to the northeast
South	None	Commercial – landscape maintenance materials yard Vacant Land
East	S. Redwood Highway US Highway 101	Commercial – storage facility (Payless Storage) S. Redwood Highway/US Highway 101
West	None	Rural residence with shop building Forested land

Based on the observed uses of the properties located immediately adjacent to the subject site, it is unlikely that significant quantities of hazardous materials are stored at the immediately adjacent properties except for the Renner Petroleum facility located adjacent to the north of the access road which comprises the far southeastern portion of the subject site. The Renner Petroleum facility, located at 28181 S. Redwood Highway, is an open leaking UST (LUST) site. Please refer to Sections 6.4 and 8.0 of this report for a discussion of regulatory records and environmental concerns associated with the 28181 S. Redwood Highway LUST site as related to the subject site.

### **4.4 ASTM Non-Scope Considerations**

According to ASTM E 1527-13, there may be environmental issues or conditions at the subject site that are outside the scope of the Phase I ESA practice (non-scope considerations). Some substances may be present at the subject site in quantities and under conditions that may lead to contamination of the subject site or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601[14]). ASTM non-scope considerations are discussed below.



**Asbestos-Containing Materials**

Asbestos is a group of naturally occurring mineral fibers that have been used commonly in a variety of building construction materials for insulation and as a fire-retardant. Because of its fiber strength and heat resistant properties, asbestos has been used for a wide range of manufactured goods, mostly in building materials, vehicle brakes, and heat-resistant fabrics, packaging, gaskets, and coatings. When asbestos-containing materials (ACMs) are damaged or disturbed by repair, remodeling, or demolition activities, microscopic asbestos fibers may become airborne and can be inhaled into the lungs, where they can cause significant health problems.

The dwelling located on the subject site was apparently originally constructed in approximately 1960/1961. It is unknown if the on-site structures contain ACMs. An asbestos survey and sampling of the on-site structures was not included within the scope of this assessment. However, based on the apparent date of construction, ACMs may be present at the subject site. During Krazan's October 20, 2017 site reconnaissance, no damaged building materials or friable suspect ACMs which appeared to be posing a health hazard were noted in the on-site dwelling. Prior to the disturbance of any of the suspect ACMs at this property via demolition, a comprehensive asbestos survey designed to determine if the suspect ACM is a regulated material is recommended. If such materials are identified and need to be disturbed, repaired, or removed, a licensed abatement contractor should be consulted. Suspect ACMs can also be managed through the use of an Operations and Maintenance (O&M) plan.

**Lead-Based Paint**

Although lead-based paint (LBP) was banned in 1978, many building constructed prior to 1978 have paint that contains lead. Lead from paint, chips, and dust can pose serious health hazards if not addressed properly.

The dwelling located on the subject site was apparently originally constructed in approximately 1960/1961. It is unknown if the on-site structures contain LBP. A LBP survey and sampling of the on-site structures was not included within the scope of this assessment. However, based on the date of construction, LBP may be present at the subject site. During Krazan's October 20, 2017 site reconnaissance, no evidence of significant peeling paint was observed in association with the on-site dwelling. Prior to the disturbance of any of the suspect LBP at this property via demolition, a comprehensive LBP survey designed to determine if the suspect LBP is a regulated material is recommended. If such materials are identified and need to be disturbed, repaired, or removed, a licensed abatement contractor should be consulted. Suspect LBP can also be managed through the use of an O&M plan.

**Radon**

Radon is a radioactive gas that is found in certain geologic environments and is formed by the natural breakdown of radium, which is found in the earth's crust. A radon survey was not included within the scope of this investigation; however, the State of California Department of Public Health (CDPH) maintains a statewide database of radon results in designated geographic areas. Radon detection devices are placed in homes throughout the study region to determine geographic regions with elevated radon concentrations. The U.S. EPA has set the safety standard for radon gas in homes to be 4.0 pico Curies per liter (pCi/l).

The US 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, 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. Review of the EPA Map of Radon Zones places the Property in Zone 3, where average predicted radon levels are below 2.0 pCi/L. Therefore, the available data suggests that the potential for radon to adversely impact the subject site appears to be low.

**Environmental Non-Compliance Issues**

No obvious material non-compliance issues were identified in connection with the subject site in the process of preparing this report.

**Activity and Use Limitations**

No activity and use limitations were identified in connection with the subject site in the process of preparing this report.

**Wetlands**

As defined by the U.S. EPA and the Department of Army, Corps of Engineers, wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Jurisdictional wetlands are regulated under Section 404 of the Clean Water Act (1972, 1977, and 1987, and also the 1985 and 1990 Farm Bills), and are important for protection of aquatic waterfowl and species, water purification, and flood control. According to current Corps of Engineers information, three basic criteria are currently used to define wetlands:

- Wetland hydrology - areas exhibiting surface or near-surface saturation or inundation at some point in time (greater than 12.5 percent of growing season defined on basis of frost-free days) during an average rainfall year;
- Hydrophilic vegetation - frequency of occurrence of wetland indicator plants (plant life growing in water, soil, or substrate that is periodically deficient in oxygen as a result of excessive water content); and,
- Hydric soil - landscape patterns identified by saturation, flooding, or ponding long enough during the growing season (generally seven days) which develop characteristic color changes in the upper part of the soil as a result of anaerobic conditions.

According to the U. S. Fish & Wildlife Service (USFWS) National Wetlands Inventory available via the USFWS Internet website, the subject site does not contain a designated wetland.

## **5.0 USER-PROVIDED INFORMATION**

A review of User-provided information was conducted in order to help identify pertinent information regarding potential environmental impacts associated with the subject site.

### **5.1 Title Report and Environmental Lien Search**

A Final Title Report or Environmental Lien Search was not prepared by or provided to Krazan during the course of this assessment. The absence of a Final Title Report or Environmental Lien Search represents a data gap.

### **5.2 Phase I Environmental Site Assessment User Questionnaire**

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiry* is not complete. The user is asked to provide information or knowledge of the following:

1. Environmental cleanup liens that are filed or recorded against the site.
2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
3. Specialized knowledge or experience of the person seeking to qualify for the LLPs.

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
5. Commonly known or *reasonably ascertainable* information about the *property*.
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.
7. The reason for preparation of this Phase I ESA.

On October 4, 2017, a completed Phase I ESA user questionnaire was received from Ms. Lori Koester with Integrated Community Development, Krazan's client and the Phase I ESA user. Please refer to Appendix A in the Table of Contents for a copy of the completed Phase I ESA user questionnaire.

According to the questionnaire responses, Ms. Koester, to the best of her knowledge as the user of this Phase I ESA, was not aware of any environmental cleanup liens and activity or land use limitations which have been filed or recorded against the subject site; and Ms. Koester has no specialized knowledge or experience of the prior nature of the business or chemical utilization on the subject site. Ms. Koester indicated that she has no knowledge of the historical uses of the subject site other than that it was reportedly utilized for agriculture. Ms. Koester indicated that she did not have knowledge of the past or current presence of specific chemicals or hazardous materials, unauthorized spills or chemical releases or of any environmental cleanups in connection with the subject site. Ms. Koester indicated that the purchase price of the property reflects fair market value and the reason for preparation of this Phase I ESA is related to a proposed property purchase and development.

## **6.0 SITE USAGE SURVEY**

The property usage survey included assessing property history, and reviewing local, state, and federal regulatory agency records.

### **6.1 Site History**

A review of historical aerial photographs, historical USGS topographic quadrangle maps, Sonoma County Assessor's Office records, Sonoma County Permit and Resource Management Department records, and reasonably ascertainable cross-reference directories, a search for historical fire insurance maps (HFIMs), and Phase I ESA interviews were utilized to assess the history of the subject site.

### Previous Environmental Assessment

No previous environmental assessments of the subject site were provided to Krazan for review during the course of this assessment.

### Aerial Photograph Interpretation

Historical aerial photographs dated 1953, 1966, 1974, 1983, 1993, 2004, 2010, 2014 and 2017 were reviewed to assess the history of the subject site. These photographs were obtained from Environmental Data Resources, Inc. (EDR) and via the internet at Microsoft® Research Maps and Google Earth™. Aerial photograph coverage for the years prior to 1953 was not reasonably ascertainable or available. The aerial photograph summary is provided in Table V. Please refer to Appendix B in the Table of Contents for historical aerial photograph coverage of the subject site.

**TABLE V**  
**Summary of Aerial Photograph Review**

<b>Year/Scale</b>	<b>Site Use</b>	<b>Site and Adjacent Property Observation</b>
1953 1" = 500'	Barn Agricultural/ Hay Cultivation Vacant Land	The far eastern portion of the subject site appears to be occupied by an unpaved road and the southeastern corner of the subject site appears to be occupied by a structure consistent in approximate size and location with the storage barn observed in this portion of the subject site during Krazan's site reconnaissance. The eastern and central portions of the subject site appear to be utilized for agricultural purposes and/or pasture. The western portion of the subject site appears to be undeveloped forested land. The northern and eastern adjacent properties appear to be occupied by rural residences and utilized for agricultural purposes. The southern adjacent property appears to be occupied by a materials storage yard and vacant land. The western adjacent property appears to be occupied by undeveloped forested land, although unpaved roads are visible beneath the tree canopy.
1966 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 1953 aerial photograph except: 1) structures are visible in the western portion of the subject site which are consistent in approximate size and location with the single-family dwelling and tractor storage shed/barn observed during Krazan's site reconnaissance, and 2) commercial buildings have been developed adjacent to the north and east of the far eastern portion of the subject site (adjacent to the Redwood Highway), and 3) a rural residence appears to have been developed adjacent to the west of the subject site. However, the quality of the 1966 aerial photograph is poor.

**TABLE V (cont.)**  
**Summary of Aerial Photograph Review**

<b>Year/Scale</b>	<b>Site Use</b>	<b>Site and Adjacent Property Observation</b>
1974 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 1966 aerial photograph except: 1) additional commercial buildings have been developed adjacent to the north and east of the far eastern portion of the subject site (adjacent to the Redwood Highway), and 2) commercial buildings have been developed adjacent to the north of the eastern portion of the subject site.
1983 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 1974 aerial photograph except for the development of a rural residence adjacent to the west of the subject site.
1993 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 1983 aerial photograph except for the redevelopment of the property located adjacent to the north of the eastern portion of the subject site with a larger commercial building. Additionally, the expansion of US Highway 101 is underway on the property adjacent to the east and northeast of the far eastern portion of the subject site.
2004 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 1993 aerial photograph except for the development of: 1) a structure consistent in approximate size and location with the shop canopy observed in central portion of the subject site during Krazan's site reconnaissance, 2) storage facilities adjacent to the north and east of the subject site, and 3) single-family dwellings adjacent to the north of the central portion of the subject site. Additionally, the expansion of US Highway 101 on the property adjacent to the east and northeast of the far eastern portion of the subject site appears to have been completed.
2010 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 2004 aerial photograph except for the development of additional single-family dwellings adjacent to the north of the central and western portions of the subject site.
2014 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 2010 aerial photograph except for the development of a solar farm approximately 700 feet to the west of the subject site.
2017 1" = 500'	Residential Agricultural/ Hay Cultivation Vacant Land	Conditions on the subject site and the adjacent properties appear relatively similar to those noted in the 2014 aerial photograph except for the development of additional single-family dwellings adjacent to the north of the western portion of the subject site.

**USGS Topographic Quadrangle Map**

Krazan's review of the USGS, 7.5-minute, Cloverdale, California topographic quadrangle map dated , 1960, photorevised 1975, indicates that the subject site is occupied by two structures in locations consistent with the existing single-family dwelling and the existing storage barn. The remainder of the central and eastern portions of the subject site is depicted as vacant land. Other than the dwelling, the western portion of the subject site is depicted as undeveloped forested land. Refer to Figure No. 3, Topographic Map, for reference.

**Sonoma County Assessor's Office Records**

On October 20, 2017, the Sonoma County Assessor's Office (SCAO) was visited to review parcel information for the subject site APNs of 117-040-053 and -084. According to parcel information on file with the SCAO, subject site APN 117-040-053 is developed with a 1,625-square-foot dwelling constructed in 1961 and is associated with a parcel address of 28195 Highway 101. No business attributes and no record of an underground storage tank are included in the SCAO database for APN 117-040-053. Property ownership is the only parcel information on file with the SCAO for subject site APN 114-040-084.

**Sonoma County Permit and Resource Management Department Records**

On October 31, 2017, Krazan reviewed the Sonoma County Permit and Resource Management Department (SCPRMD) Permit History Database available via the Sonoma County website to obtain potential building permit records for the subject site addresses of 28195 Highway 101 and 28195 S. Redwood Highway, and for the subject site APNs of 117-040-053 and -084. Krazan's review of the Permit History Database revealed three records for the subject site, including: 1) an expired permit dated September 12, 1975 for electrical service, 2) a closed zoning violation dated July 28, 1996 for non-operational vehicles, and 3) a well permit dated October 18, 2017 for installation of borings for a subsurface investigation. No permits for items such as underground storage tanks, septic systems, previous structures/features, or other subsurface features of potential environmental concern are included in the SCPRMD Permit History Database for the subject site.

**City Directories**

Reasonably ascertainable Haines Criss-Cross Directories (HCCDs) dated 1973 through 2017 were reviewed utilizing approximately five-year intervals at the Sonoma County Public Library, Central Branch, located in Santa Rosa, California, for the subject site address of 28195 Highway 101, the historical subject site address of 28195 S. Redwood Highway, and the adjacent properties. A summary of Haines Criss-Cross Directory information is presented in Table VI below.



**TABLE VI**  
**Haines Criss-Cross Directory Summary**

Address	Owner/Occupant	Years
<b>Subject Site</b>		
<b>28195 Highway 101</b>	Address Not Listed	1973 to 2017
<b>28195 S. Redwood Highway (Historical Subject Site Address)</b>		
	J. Baumgardner (Residential Listing)	1973 to 1989
	No Return Listing	1995
	Address Not Listed	2000
	No Return Listing	2004
	Address Not Listed	2010, 2015, 2017

Krazan's review of cross-reference directories indicates that the subject site was utilized for residential purposes from at least 1975 until at least 1989. Information obtained from review of cross-reference directories is consistent with that obtained from other sources during the course of this assessment. Krazan's review of the HCCDs for the adjacent properties generally revealed residential listings, "no return" listings, and/or no listings for the adjacent property addresses between 1973 and 2017. The only business listings identified during this time interval were Cooper Trucking and Henry's Truck Parts at 28243 S. Redwood Highway from 1973 to 1982, Payless Storage at 28243 S. Redwood Highway from 2004 to 2017, and Jett Trucking at 28181 S. Redwood Highway from 1982 to 1989. Please refer to Section 6.4 of this report for a discussion of regulatory records for the former Jett Trucking/28181 S. Redwood Highway property which is an open leaking UST site.

### **Historical Fire Insurance Maps**

Krazan reviews HFIMs to evaluate prior land use of the subject site and the adjacent properties. HFIMs typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the subject site within the city limits. Krazan contracted with EDR to provide copies of available HFIMs for the subject site and the adjacent properties as far back as 1867. EDR's search of HFIMs revealed no coverage for the subject site and the adjacent properties. Please refer to Appendix C in the Table of Contents for a copy of the EDR HFIM *No Maps Available* Report.

## **6.2 Interviews**

Krazan conducted interviews with two representatives of the owner of the subject site. The interviews are designed to provide pertinent information regarding potential environmental impacts associated with the subject site.



**Subject Site Owner's Representative** – An interview was conducted with Ms. Virginia C. Neat, Trustee and representative of the owner of the subject site, via her completion of an environmental questionnaire. According to questionnaire responses, Ms. Neat indicated that she has been familiar with the subject site for the past 60+ years. Ms. Neat indicated that the subject site has been in her family since purchased by John and Adelaide Baumgardner in 1933. Ms. Neat indicated that the subject site is currently occupied by a dwelling, a shop building, barns, and a well house. Ms. Neat indicated that the subject site is currently used for residential, shop, and farming purposes, and water wells and septic systems are located on site. Ms. Neat indicated that the subject site was historically utilized for animal grazing and farming operations, including hay and prune cultivation. Ms. Neat indicated that a former well house was removed from the subject site and that imported soil from an apple orchard is located in the cultivated portion of the subject site. Ms. Neat indicated that an aboveground gasoline tank historically located on site was removed from the property in the 1960s.

According to Ms. Neat, to the best of her knowledge, no disposal of hazardous materials; no existing or former USTs; no hazardous materials spills, no environmental cleanups, no on-site treatment and/or discharge of waste; no environmental liens, AULs, engineering or institutional controls, no on-site dry wells or disposal ponds; no buried materials; no monitoring wells; or any items of environmental concern are associated with the subject site. Ms. Neat indicated that she is not aware of any obvious indications pointing to the presence or likely presence of contamination of the subject property. Ms. Neat indicated that this Phase I ESA is related to a proposed property purchase. Please refer to Appendix D in the Table of Contents for a copy of the environmental questionnaire completed by Ms. Neat.

**Subject Site Occupants** – During the course of the Phase I ESA site reconnaissance, an interview was conducted with Mr. Don Baumgardner, a grandson of the previous owners of the subject site and an occasional former occupant of the subject site. Mr. Baumgardner stated that he has been familiar with the subject site for the past 40+ years. Mr. Baumgardner stated that the subject site has been owned by his family since the 1930s and has been used for residential, pasture and agricultural purposes. Mr. Baumgardner stated that, to the best of his knowledge, no disposal of hazardous materials; no existing or former USTs; no hazardous materials spills, no on-site disposal ponds; no buried materials; or any items of environmental concern are associated with the subject site. Mr. Baumgardner indicated that he is not aware of any obvious indications pointing to the presence or likely presence of contamination of the subject property. Additionally, a discussion of Mr. Baumgardner's responses to questions posed during Krazan's site reconnaissance was presented previously in Section 4.1 of this report.

**Previous Subject Site Owners/Occupants** – An interview with a previous owner/occupant of the subject site was not reasonably ascertainable. Consequently, information regarding the history and historical uses of the subject site obtained from an interview of a previous owner and/or occupant constitutes a data gap.

### **6.3 Agricultural Chemicals**

Review of historical aerial photographs and/or information obtained from representatives of the owner of the subject site indicate that the subject site was utilized for the cultivation of hay, prunes, and possibly other crops from at least 1953 until at least 2014. Additionally, a representative of the owner of the subject site indicated that imported soil from an apple orchard is located in the cultivated portion of the subject site. Based on the time frame in which the subject site was cultivated and the reported presence of imported orchard soil, the potential exists that environmentally persistent pesticides and/or herbicides were historically applied to the crops located on the subject site and/or to the imported orchard soil reportedly located on site. Consequently, given the potential use of environmentally persistent pesticides/herbicides, the agricultural use of the subject site for an extended period of time, the presence of imported orchard soil, and the planned redevelopment of the subject site for residential purposes, assessment of surficial soils for residues of environmentally persistent pesticides/herbicides was considered to be prudent. Therefore, at the direction of Krazan's client, a limited soil assessment is being conducted by Krazan concurrent with this Phase I ESA to assess the presence or absence of significant concentrations of environmentally persistent pesticides/herbicides related to the historical agricultural use of the subject site, the results of which will be provided under separate cover.

### **6.4 Regulatory Agency Interface**

A review of regulatory agency records was conducted to help determine if hazardous materials have been handled, stored, or generated on the subject site and/or the adjacent properties and businesses.

Regulatory records are reviewed based on the following criteria: 1) properties with known soils and/or groundwater releases considered to represent the potential for impact to the subject site that are located within 1,760 feet of the subject site for constituents of concern impacts or 528 feet of the subject site for petroleum hydrocarbon impacts; 2) properties that are adjacent or in proximity to the subject site included within the EDR regulatory database report or noted during the site reconnaissance to possibly handle, store, or generate hazardous materials. Applicable property records are discussed below.

#### **County of Sonoma Fire & Emergency Services Department**

The County of Sonoma Fire & Emergency Services Department – Hazardous Materials Division (CSFESD) is one of two lead regulatory agencies or Certified Unified Program Agencies (CUPAs) for

hazardous materials handling facilities/release sites located in the Cloverdale area. On October 3, 2017, the CSFESD was contacted regarding potential records related to the storage of hazardous materials, the generation of hazardous waste, and/or the spillage/unauthorized release of hazardous materials for the subject site address of 28195 Highway 101 and the subject site APN of 117-040-053. According to Ms. Alicia Ponce of the County of Sonoma Fire & Emergency Services Department – Hazardous Materials Division, no records related to the storage of hazardous materials, the generation of hazardous waste, or the spillage/unauthorized release of hazardous materials are on file with the CSFESD for the subject site address of 28195 Highway 101 or the subject site APN of 117-040-053.

### **Sonoma County Department Health Services – Environmental Health & Safety Division**

The Sonoma County Department of Health Services – Environmental Health & Safety Division (SCEHSD) is one of two lead regulatory agencies or Certified Unified Program Agencies (CUPAs) for hazardous materials handling facilities/release sites located in the Cloverdale area. The SCEHSD Local Oversight Program (LOP) maintains records associated with hazardous materials releases, site mitigation, and environmental cleanups in the subject site vicinity. On October 23, 2017, the SCEHSD LOP database was reviewed via the SCEHSD online records portal. According to the SCEHSD LOP database, no hazardous materials release/site mitigation/environmental cleanup records are on file with the SCEHSD for the subject site. However, records are on file with the SCEHSD for adjacent/vicinity properties which are discussed below.

### **State of California Regional Water Quality Control Board - Geotracker**

Krazan's October 2, 2017 review of the State of California Regional Water Quality Control Board (RWQCB) Geotracker database available via the RWQCB Internet Website indicated that no cleanup sites including LUST sites, cleanup program sites, land disposal sites, or military sites are listed for the subject site. However, five LUST and/or cleanup program sites are listed within the subject site vicinity or generally proximate to the subject site which are discussed below. Please refer to Appendix E in the Table of Contents for a copy of the RWQCB records.

Former Jet Trucking  
Renner Cloverdale  
28181 Redwood Highway

adjacent to the northwest

According to records on file with the RWQCB, two leaking underground storage tank (LUST) cases are associated with the 28181 Redwood Highway address which is located adjacent to the northwest of the access road which comprises the far eastern portion of the subject site. The earliest LUST case which is associated with the removal of two 8-000-gallon fuel USTs and a 1,000-gallon fuel UST was granted a closure and no further action status on November 7, 1995. The USTs associated with this LUST case were located approximately 215 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. According to the case closure summary dated

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November 14, 1994, subsurface soil and groundwater samples were collected and four groundwater monitoring wells were installed. Groundwater is reported to have been first encountered at depths of 1 to 7 feet bgs and the groundwater flow direction is reported to have been south-southwest to south-southeast, placing the former USTs hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Remediation included excavation and off-site disposal of 750 cubic yards of impacted/potentially impacted soil and the removal of groundwater from the base of the tank excavation pit. Review of the maximum documented contaminant concentrations in soil and groundwater before and after cleanup reveals that a relatively minor subsurface impact existed before and after cleanup. Analysis of groundwater from the base of the excavation for gasoline-range total petroleum hydrocarbons (TPH-g), diesel-range total petroleum hydrocarbons (TPH-d), and benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents revealed only TPH-d and xylenes to be present before the cleanup (73 and 63 µg/l, respectively), and none of the COCs was reportedly detected following the cleanup. Additionally, analysis of groundwater samples collected from a monitoring well located between the subject site and the former fuel USTs in April 1991 did not reveal any of the COCs to be present above their respective laboratory reporting limits. Based on the removal of the contaminant source, the relatively minor subsurface impact, the reported absence of a detectable groundwater impact after cleanup, the absence of a groundwater impact in April 1991 at a well located downgradient of the release and upgradient of the subject site, and the location of the former USTs 215 feet distant, there is no evidence to suggest that these three former fuel USTs previously located at this site currently represent an environmental concern in connection with the subject site.

A portion of the former Jet Trucking facility was recently redeveloped with a fueling station by Renner Petroleum, which according to a CSFESD representative, is currently compliant with UST installation, operation, and monitoring requirements. However, during the late-2015/2016 Renner Petroleum fueling station redevelopment two additional USTs were discovered presumed to have been associated with the former Jet Trucking facility, including a 750-gallon single-wall steel UST containing waste oil and a 1,100-gallon single-wall steel diesel fuel UST. Holes were observed in both USTs at the time of removal and soil samples were collected from beneath each end of both USTs. Records on file with the RWQCB indicate that the waste oil and diesel fuel UST were located approximately 105 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. As with the closed LUSTs discussed previously, these two former USTs are located hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Analysis of the soil samples collected from beneath the waste oil UST revealed maximum concentrations of TPH-g at 13 mg/kg, motor oil-range total petroleum hydrocarbons (TPH-mo) at 96 mg/kg, TPH-d at 660 mg/kg, and Oil & Grease at 930 mg/kg. No other volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or PCBs were detected in any of the samples analyzed. Following over-excavation of the tank pit and sampling at 12 feet bgs, maximum soil concentrations were TPH-d at 2.2 mg/kg and TPH-mo at non-detect, suggesting that over-excavation successfully removed impacted soil from the waste oil UST location. Analysis of the soil samples collected from beneath the diesel UST revealed maximum concentrations of TPH-d at 66 mg/kg and BTEX constituents at 0.6 mg/kg (benzene) to 28.8 mg/kg (xylenes). Based on these data, the consultant requested that a case closure and no further action status be granted in correspondence dated January 29, 2016, although groundwater or soil vapor do not appear to have been sampled in connection with the late-2015/early-2016 investigation.

Closure was not granted by the oversight agencies, and this LUST site was placed in the Sonoma County Department of Health Services – Environmental Health & Safety Division (SCEHSD) LOP program. The SCEHSD has requested submission of a work plan for a preliminary site assessment from MLRX2, LLC and Chevron, the apparent responsible parties for the former USTs. The requested work plan is due to the SCEHSD for review by November 8, 2017, and will presumably include an assessment of current groundwater and possibly soil vapor conditions. Given the reportedly very shallow depth to groundwater and the apparent absence of any groundwater or soil vapor assessment in association with the documented releases from the 750-gallon waste oil UST and the 1,100-gallon diesel fuel UST, coupled with the location of these former USTs hydraulically upgradient of the far eastern portion of the subject site and approximately 105 feet distant, the potential exists for a release(s) from these former USTs to have migrated downgradient with groundwater flow and impacted the subsurface of the far eastern portion of the subject site. Consequently, the condition of the subsurface of the subject site is unknown.

James Thomas Bald  
28333 Sandholm Road

potentially adjacent to the northwest

This site was originally listed in Geotracker and in the EDR regulatory agency database report as a RWQCB cleanup site, although no records related to a cleanup case were contained in the Geotracker database. According to Mr. Craig Hunt of the RWQCB, the James Thomas Bald/28333 Sandholm Road location is actually just an “informational file” and was inadvertently listed in Geotracker as a SLIC/cleanup site when the Geotracker database was originated in 2000. Mr. Hunt corrected the Geotracker listing for this property and provided Krazan with a copy of the “informational file.” The informational file indicates that leakage from AST values resulted in some soil only impacts by a caustic material being stored in the ASTs at the 28333 Sandholm Road address. The file did not include a map of adequate quality to locate the 28333 Sandholm Road address and a definitive location was not otherwise obtained during the course of this assessment. However, it appears that this address may be associated with one of the two commercial properties located across Sandholm Road adjacent to the northwest of the central portion of the subject site. Given that the initial RWQCB assessment of this property did not result in its classification as a cleanup program case and that this incident was apparently a soil-only impact by a caustic material which occurred in 1987, there is currently no evidence to suggest that the James Thomas Bald/28333 Sandholm Road property currently represents an environmental concern in connection with the subject site.

Anderson Valley Equipment  
28313 Highway 101

260 feet to the north-northeast

According to records on file with the RWQCB, leaking USTs and/or product piping resulted in petroleum hydrocarbon impacts to subsurface soil and groundwater at the former Anderson Valley Equipment property. According to site maps associated with the investigation, the former fuel storage and delivery system at the Anderson Valley Equipment facility was located approximately 260 feet to the north-northeast of the closest subject site boundary. Groundwater monitoring conducted at this property in the early-1990s revealed groundwater be first encountered at a depth of approximately 7 to 13 feet bgs. The groundwater flow direction was reported to be toward the east to northeast; thereby placing the former USTs at this property hydraulically cross- to downgradient of the subject site. Analysis of groundwater samples collected from MW-3, located to the southwest of the former USTs and between the former USTs and the subject site, revealed no detectable impact from TPH-g, TPH-mo, and BTEX constituents



and a detectable TPH-d impact during only 2 of 9 sampling events. Consequently, based on the removal of the contaminant source, the minor groundwater impact detected upgradient of and immediately proximate to the former USTs, the regulatory agency closure status (closed December 17, 1996), and the location of the former USTs at this property hydraulically cross- to downgradient of the subject site and 260 feet distant, there is no evidence that the former USTs at this facility currently represent an environmental concern in connection with the subject site.

Two closed release sites are listed in the subject site vicinity, and pertinent environmental risk factors for these release sites as related to the subject site are summarized in Table VII.

**TABLE VII**  
**Proximate Geotracker Release Site Listings**

Site Name/Address	Distance From Subject Site/ Groundwater Flow Direction	COCs / (Media Impacted)	Investigation Status (Potential to Impact Subject Site)
<b>Anderson Excavating</b>	650 feet to the northwest of the subject site /	Gasoline & Diesel	LUST - Closed
1175 S. Cloverdale Boulevard	(Variable) – Seasonally may be upgradient of the subject site	(Soil & Groundwater - minimal ground- water impact)	(Low)
<b>Louisiana Pacific/Kelley Gate</b>	730 feet to the south of the subject site /	Gasoline/Diesel/Oil/ Pesticides	LUST - Closed SLIC - Closed
27821 Dutcher Creek Road	(Easterly) – Cross-gradient of the subject site	(Soil & Groundwater)	(Low)

Based on Krazan's review of information contained in the RWQCB Geotracker database, coupled with information pertaining to site location and local hydrogeology, there is no evidence that any of the above-listed sites currently represent an environmental concern in connection with the subject site.

#### **State of California Department of Toxic Substances Control - Envirostor**

Krazan's October 3, 2017 review of the State of California Department of Toxic Substances Control (DTSC) Envirostor database available via the DTSC's Internet Website indicated that no records of cleanup sites including State response sites, voluntary cleanup sites, school cleanup sites, or military or school evaluation sites are listed for the subject site or the adjacent properties. However, one Federal Superfund – National Priorities List (NPL) site was determined to be located within the subject site vicinity which is discussed below.

MGM Brakes

440 feet to the northwest

1201 S. Cloverdale Boulevard

According to records on file with the DTSC, the former MGM Brakes facility associated with an address of 1201 S. Cloverdale Boulevard is an approximately 5-acre USEPA NPL site located southwest of S. Cloverdale Boulevard and Santana Drive, the closest boundary of which is located approximately 440 feet to the northwest of the subject site. From 1965 to 1972, hydraulic fluids containing PCBs were used in the casting machines utilized for the manufacture of large-vehicle brakes at this facility. These hydraulic fluids

leaked from casting machines and entered floor drains that discharged onto the ground surface adjacent to the casting plant. PCBs were detected in soils at this property during an investigation conducted in response to a citizen complaint in 1981, and after further investigation the site was added to the NPL list in 1983. PCB contamination was detected in surface water runoff, surface and subsurface soil, and inside the casting plant building. Excavation and off-site disposal of soils with PCB concentrations in excess of 10 mg/kg, demolition of the casting plant, and decontamination of PCB contaminated equipment were among the remedial alternatives employed at this site. Additionally, PCBs in surface soil, defined as the upper 10 inches, could not exceed 1 mg/kg. Dewatering was required in conjunction with the deeper excavations and 27 well points were installed and connected to an extraction system used to transfer groundwater to an on-site treatment plant. After six months of operation, the water table was reportedly lowered from approximately 5 to 7 feet bgs to 30 feet bgs. Excavations of varying depths were implemented over a significant portion of the MGM Brakes NPL site, and ultimately the upper two feet of the entire site was scraped into the excavation created after the disposal of the more heavily impacted areas. The entire property was subsequently covered with at least two feet of imported clean fill. Based on the extensive soil removal remediation implemented, the placement of a clean cap at least two feet thick over the entire site, and the original location of PCB-impacted soils at least 440 feet distant, there is no evidence to suggest that PCB-impacted soil originating from this NPL site currently represents an environmental concern in connection with the subject site.

In 1986, VOCs were detected in groundwater beneath the MGM Brakes NPL site, with trichloroethene (TCE) being the contaminant detected at greatest frequency and at highest concentration. Groundwater monitoring conducted in association with the investigation of this NPL site indicates that the above-referenced dewatering and other groundwater extraction efforts reduced and/or stabilized the TCE/VOC plume. As indicated previously, groundwater was generally first encountered at depths of 5 to 7 feet bgs, and the groundwater flow direction is reported to have been primarily toward the southeast. The estimated maximum extent of TCE concentrations in groundwater in excess of the 5 µg/l cleanup goal has been mapped in records on file with the DTSC as a southeasterly trending oval limited to the central-eastern and southeastern portions of the NPL site. The majority of the oval plume is mapped to the southeast of the monitoring well at which the highest TCE concentrations were obtained, and as such is consistent with the reported southeasterly groundwater flow gradient. The closest leading edge of this estimated maximum extent of the TCE plume is located approximately 625 feet to the north of the closest subject site boundary. However, the mapped plume appears to be based on the highest historical groundwater concentrations, as a footnote on the above-reference maximum extent map indicates that TCE has not been detected in Site groundwater at concentrations greater than the 5µg/l cleanup goal since April 2010. Based on the extensive and apparently effective remediation conducted at this site, the reported reduction of TCE concentrations to levels below the cleanup goal since April 2010, and the reported location of the leading edge of the estimated maximum extent of the TCE plume approximately 625 feet and cross-gradient of the closest subject site boundary and 1,130 feet from the closest downgradient boundary of the subject site, there is currently no evidence to suggest that the TCE plume associated with this NPL site represents an environmental concern in connection with the subject site.

**California Department of Conservation, Division of Oil, Gas and Geothermal Resources - DOMS**

Krazan's October 2, 2017 review of the State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) Online Mapping System (DOMS) indicated that no plugged and abandoned or producing oil wells are located on or adjacent to the subject site.

**Local Area Tribal Records**

No Indian reservations, USTs on Indian land, or LUSTs on Indian land were reported on the subject site, adjacent properties, or vicinity properties in the EDR-provided government database report.

**6.5 Regulatory Agency Lists Review**

Several agencies have published documents that list businesses or properties which have handled hazardous materials or waste or may have experienced site contamination. The lists consulted in the course of our assessment were compiled by EDR and Krazan and represent reasonably ascertainable current listings. Krazan did not verify the locations and distances of every property listed by EDR. Krazan verified the location and distances of the properties Krazan deemed as having the potential to adversely impact the subject site. The actual location of the listed properties may differ from the EDR listing. Refer to the Table VIII below for a summary of the listed properties considered to have the potential to impact the subject site located within the specified ASTM Search Radii. The actual distances of the listed properties (which are summarized below) are based on observations during Krazan's site reconnaissance. No EDR-listed unmapped (non-geocoded) sites were determined to be located on or adjacent to the subject site. Please refer to Appendix F in the Table of Contents for a copy of the EDR Radius Map report.



**TABLE VIII**  
**Listed Properties**

<b>MAP FINDINGS SUMMARY</b>								
<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	1	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	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	1	0	NR	NR	1
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<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		0	1	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	1	0	NR	NR	1
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	2	0	0	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	2	NR	NR	2
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		3	1	4	NR	NR	8

**TABLE VIII (cont.)  
Listed Properties**

**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		1	1	3	NR	NR	5
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	3	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
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	0	0	NR	NR	0
<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	0.001		0	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	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	1	0	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		1	1	NR	NR	NR	2
HIST UST	0.250		2	2	NR	NR	NR	4
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	1	0	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0

**TABLE VIII (cont.)  
Listed Properties**

**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	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	1	0	0	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	1	0	NR	1
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	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		0	0	1	NR	NR	1
CUPA Listings	0.250		4	3	NR	NR	NR	7
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		1	NR	NR	NR	NR	1

**TABLE VIII (cont.)  
Listed Properties**

<b>MAP FINDINGS SUMMARY</b>								
<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	1	2	NR	NR	4
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	14	21	14	0	0	49
<b>NOTES:</b>								
TP = Target Property								
NR = Not Requested at this Search Distance								
Sites may be listed in more than one database								

The subject site address and/or location were not listed in the EDR regulatory database report.

### **Hazardous Materials Migration in Soils and/or Groundwater**

The following facilities which are listed as sites with documented releases of hazardous materials were listed within the subject site vicinity:

Former Jet Trucking

adjacent to the northwest

Renner Cloverdale

28181 Redwood Highway

According to EDR, this facility is listed as a LUST site located within 260 feet of the subject site. During Krazan's site reconnaissance, this facility was observed to adjoin the

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subject site to the north. Hazardous materials records for this facility are on file with the RWQCB and the SCEHSD LOP. RWQCB and SCEHSD LOP records for this facility were previously discussed in Section 6.4 of this report.

James Thomas Bald  
28333 Sandholm Road

potentially adjacent to the northwest

According to EDR, this facility is listed as a SLIC site located adjacent to the subject site. Hazardous materials records for this facility are on file with the RWQCB. RWQCB LOP records for this facility were previously discussed in Section 6.4 of this report.

Anderson Valley Equipment  
28313 Highway 101

260 feet to the north-northeast

According to EDR, this facility is listed as a LUST site located within 650 feet of the subject site. During Krazan's site reconnaissance, this facility was observed to be located approximately 260 feet to the north-northeast of the subject site. Hazardous materials records for this facility are on file with the RWQCB. RWQCB records for this facility were previously discussed in Section 6.4 of this report.

MGM Brakes  
1201 S. Cloverdale Boulevard/Highway 101 & Santana

440 feet to the northwest

According to EDR, this facility is listed as a NPL site located within 880 feet of the subject site. During Krazan's site reconnaissance, this facility was observed to be located approximately 440 feet to the northwest of the subject site. Hazardous materials records for this facility are on file with the DTSC. DTSC records for this facility were previously discussed in Section 6.4 of this report.

The remaining properties within the specified search radius of the subject site which appeared on local, state, or federally published lists of sites that use or have had releases of hazardous materials or petroleum products are of sufficient distance and/or situated hydraulically cross- or downgradient from the subject site such that impact to the subject site via groundwater migration is unlikely. In general, potentially hazardous materials released from facilities located approximately hydraulically upgradient within subject site vicinity, or in a hydraulically cross-gradient direction in proximity to the site, may have a reasonable potential of migrating to the subject site via groundwater flow. This opinion is based on the assumption that non-vaporous hazardous materials generally do not migrate large distances laterally within the soil, but rather tend to migrate with groundwater in the general direction of groundwater flow. However, the potential for migration of volatile hazardous materials may include movement within soils, groundwater flow or potentially omni-directionally if present in a vaporous state.

### **Hazardous Materials Migration in Vapor**

Hazardous materials or petroleum product vapors which may have the potential to migrate into the subsurface of the subject site may be caused by the release of vapors from contaminated soil or groundwater either on or in the vicinity of the subject site from current or historical uses of the subject site and/or adjacent or vicinity properties. Current or past land uses such as gasoline stations (using



petroleum hydrocarbons), dry cleaning establishments (using chlorinated volatile organic compounds), former manufactured gas plant sites (using volatile and semi-volatile organic compounds), and former industrial sites such as those that had vapor degreasing or other parts-cleaning operations (using chlorinated volatile organic compounds) are of particular concern. Constituent of concern vapors are capable of migrating great distances omni-directionally along subsurface conduits such as pipelines, utility lines, sewer and stormwater lines, and building foundations.

Krazan's review of records on file with the RWQCB and SCLOP indicates that fuel releases associated with the former Jet Trucking LUST site have impacted the subsurface of this adjoining and hydraulically upgradient property. The presence of a groundwater impact and the likely presence of a soil vapor impact immediately adjacent to the subject site in a developed area proximate to subsurface utility trenches represents a pathway by which volatile constituents have potentially migrated beneath the subject site. Consequently, this scenario represents a potential vapor impact of concern in connection with the subject site. Please refer to Section 8.0 of this report for a discussion of potential environmental concerns associated with the adjacent/vicinity properties as related to the subject site.

Krazan's review of the remaining vicinity properties listed by EDR as release sites within the applicable search radii suggests that these properties do not represent a significant potential for vapor migration in conjunction with the subject site. The rationale supporting this opinion includes the following:

- None of the reported sites were in close proximity to the subject site.
- Relevant sites had undergone investigation and remediation sufficient to receive regulatory agency closure.
- Sites with reported releases of minor quantities of COCs or COCs of limited volatility impacting soil only were considered of minimal concern.
- The lateral migration of the COCs in groundwater is reported to be limited and COCs were not detected in groundwater samples collected downgradient of the release and several hundred feet upgradient of the subject site
- Sites with reported releases of COCs including volatile organic compounds (VOCs) were either of sufficient distance or hydraulically down- or cross-gradient from the subject site such that they do not appear to represent a significant potential for vapor migration on the subject site.

No engineering control sites, sites with institutional controls, or sites with deed restrictions were listed for the subject site, adjacent sites or vicinity properties in the EDR Report.

## 7.0 **DISCUSSION OF FINDINGS**

**TABLE IX**  
**Summary of Conclusions**

<b>Apparent Evidence of RECs or PAOCs From:</b>	<b>Not Noted</b>	<b>Noted</b>
Historical Uses		X
Current Uses	X	
Adjacent or Vicinity Property Uses		X

### **Historical Uses:**

Based on Krazan's review of historical aerial photographs and historical topographic quadrangle maps, a site reconnaissance, contacts with the local regulatory agencies, and interviews with two representatives of the owner of the subject site, there is no evidence that recognized environmental conditions exist in connection with the historical uses of the subject site. However, potential areas of concern (PAOCs) were identified in connection with the historical uses of the subject site which are discussed in the Conclusions/Opinions section of this report.

### **Current Uses:**

Based on Krazan's site reconnaissance, contacts with local regulatory agencies, and interviews with two representatives of the owner of the subject site, there is no evidence that recognized environmental conditions exist in connection with the current uses of the subject site. However, ASTM non-scope issues and site development issues were identified in connection with the subject site which are discussed in the Conclusions/Opinions section of this report.

### **Adjacent or Vicinity Property Uses:**

Evidence of recognized environmental conditions have been identified in connection with the subject site from adjacent/vicinity property uses which are discussed in the Conclusions/Opinions section of this report.

## 7.1 **Evaluation of Data Gaps/Data Failure**

In accordance with ASTM E 1527-13 guidance, data gaps represent a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to



gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. Data failure represents the failure to achieve the historical research objectives of this practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

The following is a summary of data gaps encountered in the process of preparing this report including an observation as to the presumed significance of that data gap to the conclusions of this assessment.

- Absence of Final Title Report or Environmental Lien Search (Section 5.1)

A Final Title Report or Environmental Lien Search was not provided by the Phase I ESA User, therefore a data gap exists. Taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the contents of a Final Title Report or Environmental Lien Search are unknown.

- Unknown History Back to 1940 (Section 6.1)

Historical uses of the subject site prior to 1953 were not reasonably ascertainable utilizing the standard historical sources consulted during this assessment. Taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the historical uses of the subject site prior to 1953 are unknown.

- Unknown Date of First Development (Section 6.1)

Site history prior to 1953 was not reasonably ascertainable based upon review of standard historical sources. Consequently, data failure was encountered relative to date of first development of the subject site. Taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the date of first development of the subject site is unknown.

- Absence of Interview with Previous Property Owner/Occupant (Section 6.1)

A Phase I ESA interview with the previous owner/occupant of the subject site was not reasonably ascertainable. Consequently, information regarding the history and historical uses of the subject site obtained from an interview of a previous owner and/or occupant constitutes a data gap.

Taken in consideration with the available information obtained in the course of preparing this report in conjunction with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the contents of an interview with a previous property owner/occupant are unknown.

## 8.0 CONCLUSIONS/OPINIONS

We have conducted a Phase I ESA of the subject site in conformance with the scope and limitations of the ASTM E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* guidance documents. Any deviations from this practice were previously described in this report. During the course of this assessment, Krazan identified the following evidence of recognized environmental conditions (RECs), potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues in connection with the subject site:

### RECs

- According to records on file with the California Regional Water Quality Control Board (RWQCB), two leaking underground storage tank (LUST) cases are associated with the 28181 Redwood Highway address which is located adjacent to the northwest of the access road which comprises the far eastern portion of the subject site. The earliest LUST case which is associated with the removal of two 8,000-gallon fuel USTs and a 1,000-gallon fuel UST was granted a closure and no further action status on November 7, 1995. The USTs associated with this LUST case were located approximately 215 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. According to the case closure summary dated November 14, 1994, subsurface soil and groundwater samples were collected and four groundwater monitoring wells were installed. Groundwater is reported to have been first encountered at depths of 1 to 7 feet below ground surface (bgs) and the groundwater flow direction is reported to have been south-southwest to south-southeast, placing the former USTs hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Remediation included excavation and off-site disposal of 750 cubic yards of impacted/potentially impacted soil and the removal of groundwater from the base of the tank excavation pit. Review of the maximum documented contaminant concentrations in soil and groundwater before and after cleanup reveals that a relatively minor subsurface impact existed before and after cleanup. Analysis of groundwater from the base of the excavation for gasoline-range total petroleum hydrocarbons (TPH-g), diesel-range total petroleum hydrocarbons (TPH-d), and benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents revealed only TPH-d and xylenes to be present before the cleanup (73 µg/l and 63 µg/l, respectively), and none of the constituents of concern (COCs) was reportedly detected following the cleanup. Additionally, analysis of groundwater samples collected from a monitoring well located between the subject site and the former fuel USTs in April 1991 did not reveal any of the COCs to be present above their respective laboratory reporting limits. Based on the removal of the contaminant source, the relatively minor subsurface impact, the reported absence of a detectable groundwater impact after cleanup, the absence of a groundwater impact in April 1991 at a well located downgradient of the release and upgradient of the subject site, and the location of the former USTs 215 feet distant,

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there is no evidence to suggest that these three former fuel USTs previously located at this site currently represent an environmental concern in connection with the subject site.

A portion of the former Jet Trucking facility was recently redeveloped with a fueling station by Renner Petroleum, which according to a County of Sonoma Fire & Emergency Services Department (CSFESD) representative, is currently compliant with UST installation, operation, and monitoring requirements. However, during the late-2015/2016 Renner Petroleum fueling station redevelopment, two additional USTs were discovered presumed to have been associated with the former Jet Trucking facility, including a 750-gallon single-wall steel UST containing waste oil and a 1,100-gallon single-wall steel diesel fuel UST. Holes were observed in both USTs at the time of removal and soil samples were collected from beneath each end of both USTs. Records on file with the RWQCB indicate that the waste oil and diesel fuel UST were located approximately 105 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. As with the closed LUSTs discussed previously, these two former USTs are located hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Analysis of the soil samples collected from beneath the waste oil UST revealed maximum concentrations of TPH-g at 13 mg/kg, motor oil-range total petroleum hydrocarbons (TPH-mo) at 96 mg/kg, TPH-d at 660 mg/kg, and Oil & Grease at 930 mg/kg. No other volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or PCBs were detected in any of the samples analyzed. Following over-excavation of the tank pit and sampling at 12 feet bgs, maximum soil concentrations were TPH-d at 2.2 mg/kg and TPH-mo at non-detect, suggesting that over-excavation successfully removed impacted soil from the waste oil UST location. Analysis of the soil samples collected from beneath the diesel UST revealed maximum concentrations of TPH-d at 66 mg/kg and BTEX constituents at 0.6 mg/kg (benzene) to 28.8 mg/kg (xylenes). Based on these data, the consultant requested that a case closure and no further action status be granted in correspondence dated January 29, 2016, although groundwater or soil vapor do not appear to have been sampled in connection with the late-2015/early-2016 investigation.

Closure was not granted by the oversight agencies, and this LUST site was placed in the Sonoma County Department of Health Services – Environmental Health & Safety Division (SCEHSD) LOP program. The SCEHSD has requested submission of a work plan for a preliminary site assessment from MLRX2, LLC and Chevron, the apparent responsible parties for the former USTs. The requested work plan is due to the SCEHSD for review by November 8, 2017, and will presumably include an assessment of current groundwater and possibly soil vapor conditions. Given the reportedly very shallow depth to groundwater and the apparent absence of any groundwater or soil vapor assessment in association with the documented releases from the 750-gallon waste oil UST and the 1,100-gallon diesel fuel UST, coupled with the location of these former USTs hydraulically upgradient of the far eastern portion of the subject site and approximately 105 feet distant, the potential exists for a release(s) from these former USTs to have migrated downgradient with groundwater flow and impacted the subsurface of the far eastern portion of the subject site. Consequently, the condition of the subsurface of the subject site is unknown.

Therefore, at the direction of Krazan's client, a limited subsurface assessment is being conducted by Krazan concurrent with this Phase I ESA to assess the presence or absence of significant concentrations of volatile organic compound and petroleum hydrocarbon constituents of concern related to the current/historical use of properties located proximate to the subject site, the results of which will be provided under separate cover.

## PAOCs

- Review of historical aerial photographs and/or information obtained from representatives of the owner of the subject site indicate that the subject site was utilized for the cultivation of hay, prunes, and possibly other crops from at least 1953 until at least 2014. Additionally, a representative of the owner of the subject site indicated that imported soil from an apple orchard is located in the cultivated portion of the subject site. Based on the time frame in which the subject site was cultivated and the reported presence of imported orchard soil, the potential exists that environmentally persistent pesticides and/or herbicides were historically applied to the crops located on the subject site and/or to the imported orchard soil reportedly located on site. Consequently, given the potential use of environmentally persistent pesticides/herbicides, the agricultural use of the subject site for an extended period of time, the presence of imported orchard soil, and the planned redevelopment of the subject site for residential purposes, assessment of surficial soils for residues of environmentally persistent pesticides/herbicides was considered to be prudent. Therefore, at the direction of Krazan's client, a limited soil assessment is being conducted by Krazan concurrent with this Phase I ESA to assess the presence or absence of significant concentrations of environmentally persistent pesticides/herbicides related to the historical agricultural use of the subject site, the results of which will be provided under separate cover.

## ASTM Non-scope Issues

- The dwelling located on the subject site was apparently originally constructed in approximately 1960/1961. It is unknown if the on-site structures contain asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or LBP survey and sampling of the on-site structures were not included within the scope of this assessment. However, based on the apparent date of construction of the dwelling, ACMs and LBP may be present at the subject site. During Krazan's October 20, 2017 site reconnaissance, no damaged building materials or friable suspect ACMs which appeared to be posing a health hazard were noted in the on-site dwelling. Furthermore, no evidence of significant peeling paint was observed in association with the accessible portions of the on-site dwelling. Prior to the disturbance of any of the suspect ACMs or LBP at this property via renovation or demolition, a comprehensive asbestos and LBP survey designed to determine if the suspect ACM and LBP are regulated materials is recommended. If such materials are identified and need to be disturbed, repaired, or removed, a licensed abatement contractor should be consulted. Suspect ACMs and LBP can also be managed through the use of an Operations and Maintenance (O&M) plan.

## Site Development Issues

- During Krazan's site reconnaissance, a water well no longer in use was observed in the southeastern portion of the subject site, and a representative of the subject owner, Mr. Baumgardner, stated that dwelling located in the western portion of the subject site is connected to an adjacent on-site septic system. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported/presumed use for domestic purposes only. If the water well and/or septic system are not to be used in the planned redevelopment of the subject site, they should be properly abandoned/closed or destroyed in accordance with State and local guidelines.

Additionally, Mr. Baumgardner stated that an agricultural water well was previously located in the central-southern portion of the subject site 75 feet to the north of the tractor shed. Mr. Baumgardner stated that this agricultural water well was a hand-dug well which was properly

filled with gravel/sand/soil such that its former location is no longer discernable. If it is discovered during the planned redevelopment of the subject site that the hand-dug well was not properly destroyed, the well should be properly destroyed in accordance with State and local guidelines.

## **9.0 RELIANCE**

This report was prepared solely for use by Client and should not be provided to any other person or entity without Krazan & Associates' prior written consent. No party other than Client may rely on this report without Krazan & Associates' express prior written consent. Reliance rights for third parties will only be in effect once requested by Client and authorized by Krazan & Associates with authorization granted by way of a Reliance Letter. The Reliance Letter will require that the relying party(ies) agree to be bound to the terms and conditions of the agreement between Client and Krazan & Associates as if originally issued to the relying party(ies), or as so stipulated in the Reliance Letter.

## **10.0 LIMITATIONS**

The site reconnaissance and research of the subject site has been limited in scope. This type of assessment is undertaken with the calculated risk that the presence, full nature, and extent of contamination would not be revealed by visual observation alone. Although a thorough site reconnaissance was conducted in accordance with ASTM Guidelines and employing a professional standard of care, no warranty is given, either expressed or implied, that hazardous material contamination or buried structures, which would not have been disclosed through this investigation, do not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

The findings presented in this report were based upon field observations during a single property visit, review of available data, and discussions with local regulatory and advisory agencies. Observations describe only the conditions present at the time of this investigation. The data reviewed and observations made are limited to accessible areas and currently available records searched. Krazan cannot guarantee the completeness or accuracy of the regulatory agency records reviewed. Additionally, in evaluating the property, Krazan has relied in good faith upon representations and information provided by individuals noted in the report with respect to present operations and existing property conditions, and the historical uses of the property. It must also be understood that changing circumstances in the property usage,

proposed property usage, subject site zoning, and changes in the environmental status of the other nearby properties can alter the validity of conclusions and information contained in this report. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

This report is provided for the exclusive use of the client noted on the cover page and shall be subject to the terms and conditions in the applicable contract between the client and Krazan. Any third party use of this report, including use by Client's lender, shall also be subject to the terms and conditions governing the work in the contract between the client and Krazan. The unauthorized use of, reliance on, or release of the information contained in this report without the express written consent of Krazan is strictly prohibited and will be without risk or liability to Krazan.

Conclusions and recommendations contained in this report are based on the evaluation of information made available during the course of this assessment. It is not warranted that such data cannot be superseded by future environmental, legal, geotechnical or technical developments. Consequently, given the possibility for unanticipated hazardous conditions to exist on a subject site which may not have been discovered, this Phase I ESA is not intended as the basis for a buyer or developer of real property to waive their rights of recovery based upon environmental unknowns. Parties that choose to waive rights of recovery prior to site development do so at their own risk.

Parties who seek to rely upon Phase I Environmental Site Assessment reports dated more than 180 days prior to the date of reliance do so at their own risk. This limitation in reliance is based on the potential for physical changes at the site, changes in circumstances, technological and professional advances, and guidance related to the continued viability of Environmental Site Assessment reports, user's responsibilities, and requirements for updating of components of the inquiry as stated in the ASTM Standard E 1527-13.

## **11.0 QUALIFICATIONS**

This Phase I ESA was conducted under the supervision or responsible charge of Krazan's undersigned environmental assessor with oversight from the undersigned environmental professional. The work was conducted in accordance with ASTM E 1527-13 guidance, generally accepted industry standards for environmental due diligence in place at the time of the preparation of this report, and Krazan's quality-control policies.

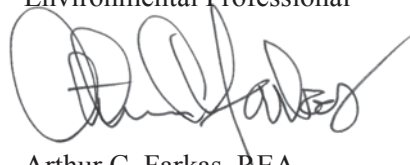


We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting 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.

Respectfully submitted,  
KRAZAN & ASSOCIATES, INC.



William Vick, PhD, REA  
Environmental Professional



Arthur C. Farkas, REA  
Environmental Professional

WHV/ACF/mlt



## **REFERENCES**

Aerial photographs obtained from Environmental Data Resources, Inc. (EDR), Microsoft® Research Maps, and Google Earth™.

American Society for Testing and Materials (ASTM), *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment (ESA) Process*, ASTM Designation: E 1527-13.

ASTM, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, ASTM Designation E 2600-10.

County of Sonoma Fire & Emergency Services Department – Hazardous Materials Division.

EDR, Sanborn Fire Insurance Map *No Maps Available* Report.

EDR, Regulatory Database Report.

Haines Criss-Cross Directories for Sonoma County, Sonoma County Public Library, Central Branch, Santa Rosa, California.

Koester, Ms. Lori, Integrated Community Development, Phase I ESA User Questionnaire.

Neat, Ms. Virginia C., Trustee, Representative of the Owner of the Subject Site, Phase I ESA Questionnaire.

Sonoma County Assessor's Office.

Sonoma County Department of Health Services – Environmental Health & Safety Division, Local Oversight Program.

Sonoma County Permit and Resource Management Department.

South Cloverdale Water Company.

State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) Maps Website: [http://www.conservation.ca.gov/dog/maps/Pages/index\\_map.aspx](http://www.conservation.ca.gov/dog/maps/Pages/index_map.aspx)

State of California Department of Toxic Substances Control, Envirostor Website: <http://www.envirostor.dtsc.ca.gov/public>

State of California Regional Water Quality Control Board, Geotracker Website: <http://geotracker.swrcb.ca.gov>

U.S. Environmental Protection Agency (EPA) *Map of Radon Zones*.

U.S. Fish & Wildlife Service National Wetland Inventory *Wetlands Mapper*: <http://www.fws.gov/wetlands/Data/Mapper.html>

U.S. Geological Survey, 7.5-minute Cloverdale, California topographic quadrangle map, dated 1960, photorevised 1975.

## **GLOSSARY OF TERMS**

*Subject Site:* The real property being investigated under this Phase I ESA.

*Adjacent Properties:* Properties which are contiguous with the subject site, or would be contiguous except for a street, road, or other public thoroughfare.

*Subject Site Vicinity:* Properties located within a 500-foot radius of the subject site.

*Environmental Professional:* A person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The EP may be an independent contractor or an employee of the user.

*User:* The party seeking to use Practice E 1527 to complete an environmental site assessment of the subject site. A user may include, without limitation, a potential purchaser of the subject site, a potential tenant of the subject site, an owner of the subject site, a lender, or a property manager.

*Recognized Environmental Condition (REC):* In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify recognized environmental conditions. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

*Controlled Recognized Environmental Condition (CREC):* A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a CREC. The “control” is represented by the restriction that the property use remain commercial. A condition considered by the environmental professional to be a CREC shall be listed in the findings section of the Phase I ESA report and as an REC in the conclusions section. A condition identified as a CREC does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

*Historical Recognized Environmental Condition (HREC):* A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release an HREC, the environmental professional must determine whether the past release is an REC at the time the Phase I ESA is conducted (for example, if there has been change in the regulatory criteria). If the EP considers the past release to be an REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as an REC.

**GLOSSARY OF TERMS (cont.)**

*Potential Area of Concern (PAOC):* A term adopted to provide an alternative designation to the REC and HREC for a range of environmental issues related to current subject site uses, historical subject site uses, or from adjacent and/or vicinity property uses. The PAOC is utilized to emphasize full disclosure and provide the User with conclusions and recommendations related to potential environmental issues in connection with the subject site based on Krazan's professional experience in cases where official documentation or other evidence may be absent in order to identify an REC or HREC, thereby aiding the User's considerations of environmental due diligence risk tolerance.

*Migrate/migration:* For the purposes of this practice, "migrate" and "migration" refer to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E 2600-10 guidance; however, nothing in the E 1527-13 practice should be construed to require application of the E 2600-10 standard to achieve compliance with AAI.

*De minimis condition:* A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Condition determined to be *de minimis conditions* are not RECS or CRECs.

*Data Gap:* A lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to the site reconnaissance and interviews.

*Data Failure:* A failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

**GLOSSARY OF TERMS (cont.)**

<b>AAI</b>	All Appropriate Inquiries	<b>MTBE</b>	Methyl Tertiary Butyl Ether
<b>AC</b>	Asphalt Concrete	<b>MFR</b>	Multi-Family Residential
<b>ACM</b>	Asbestos-Containing Materials	<b>ND</b>	Nondetectable
<b>AOC</b>	Area of Concern	<b>NFA</b>	No Further Action (letter)
<b>APN</b>	Assessor's Parcel Number	<b>NPDES</b>	National Pollution Discharge Elimination System
<b>AST</b>	Aboveground Storage Tank	<b>NPL</b>	National Priorities List
<b>ASTM</b>	American Society for Testing and Materials	<b>O&amp;M</b>	Operations & Maintenance Plan
<b>AS</b>	Air Sparging	<b>PAOC</b>	Potential Area of Concern
<b>AUL</b>	Activity & Use Limitations	<b>PCB</b>	Polychlorinated Biphenyl
<b>bgs</b>	Below Ground Surface	<b>PCC</b>	Portland Cement Concrete
<b>BTEX</b>	Benzene, Toluene, Ethylbenzene, Xylenes	<b>PCE</b>	Perchloroethylene
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act	<b>PEC</b>	Potential Environmental Concern (TS)
<b>CESQG</b>	Conditionally Exempt Small Quantity Generator	<b>PGD</b>	Polk Guide Directory
<b>CFR</b>	Code of Federal Regulations	<b>PG&amp;E</b>	Pacific Gas & Electric
<b>CMU</b>	Concrete Masonry Unit	<b>PHCs</b>	Petroleum Hydrocarbon Constituents
<b>COCs</b>	Constituents of Concern	<b>PID</b>	Photoionization Detector
<b>DEULs</b>	Declaration of Environmental Use Restrictions	<b>ppb</b>	Parts Per Billion
<b>DOGGR</b>	Division of Oil, Gas & Geothermal Resources (CA)	<b>ppm</b>	Parts Per Million
<b>DTSC</b>	Department of Toxic Substances Control (CA)	<b>PRG</b>	Preliminary Remediation Goal
<b>EC</b>	Engineering Control	<b>PRP</b>	Potentially Responsible Party
<b>EDR</b>	Environmental Data Resources, Inc.	<b>RAP</b>	Remedial Action Plan
<b>EP</b>	Environmental Professional	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>EPA</b>	United States Environmental Protection Agency	<b>REC</b>	Recognized Environmental Condition
<b>ERP</b>	Emergency Response Plan	<b>RP</b>	Responsible Party
<b>ESA</b>	Environmental Site Assessment	<b>RWQCB</b>	Regional Water Quality Control Board (CA)
<b>ESL</b>	Environmental Screening Level	<b>SBA</b>	Small Business Administration
<b>FOIA</b>	Freedom of Information Act	<b>SFR</b>	Single-Family Residential
<b>GPR</b>	Ground Penetrating Radar	<b>SPCC</b>	Spill Prevention Control and Countermeasure Plan
<b>HCCD</b>	Haines Criss-Cross Directory	<b>SQG</b>	Small Quantity Generator
<b>HFIM</b>	Historical Fire Insurance Map	<b>SCE</b>	Southern California Edison
<b>HMBP</b>	Hazardous Materials Business Plan	<b>SVE</b>	Soil Vapor Extraction
<b>HREC</b>	Historical Recognized Environmental Condition	<b>SVOC</b>	Semi-Volatile Organic Compound
<b>HVAC</b>	Heating, Ventilation, Air Conditioning	<b>SWRCB</b>	State Water Resources Control Board
<b>IC</b>	Institutional Control	<b>TCE</b>	Trichloroethylene
<b>LBP</b>	Lead-Based Paint	<b>TPH</b>	Total Petroleum Hydrocarbons
<b>LLP</b>	Landowner Liability Protection	<b>TPH-D</b>	Total Petroleum Hydrocarbons as Diesel
<b>LQG</b>	Large Quantity Generator	<b>TPH-G</b>	Total Petroleum Hydrocarbons as Gasoline
<b>LUC</b>	Land Use Control	<b>TPH-MO</b>	Total Petroleum Hydrocarbons as Motor Oil
<b>LUST</b>	Leaking Underground Storage Tank	<b>TS</b>	Transaction Screen
<b>MCL</b>	Maximum Contaminant Level	<b>USGS</b>	United States Geological Survey
<b>µg/L</b>	Micrograms Per Liter	<b>USFWS</b>	United States Fish & Wildlife Service
<b>mg/kg</b>	Milligrams Per Kilogram	<b>UST</b>	Underground Storage Tank
<b>mg/L</b>	Milligrams Per Liter	<b>VEC</b>	Vapor Encroachment Condition
<b>MSDS</b>	Material Safety Data Sheet	<b>VES</b>	Vapor Encroachment Screening
		<b>VOCs</b>	Volatile Organic Compounds





Google earth

2000 ft

N

— = SUBJECT SITE BOUNDARY



#### VICINITY MAP

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY**  
28195 HIGHWAY 101

APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425

**Scale:**

NTS

**Drawn By:**

BV

**Project No.**

034-17125

**Date:**

November 2017

**Approved by:**

BV

**Figure No.**

1




**Krazan**

**SITE DEVELOPMENT ENGINEERS**  
*With Offices Serving the Western U. S.*

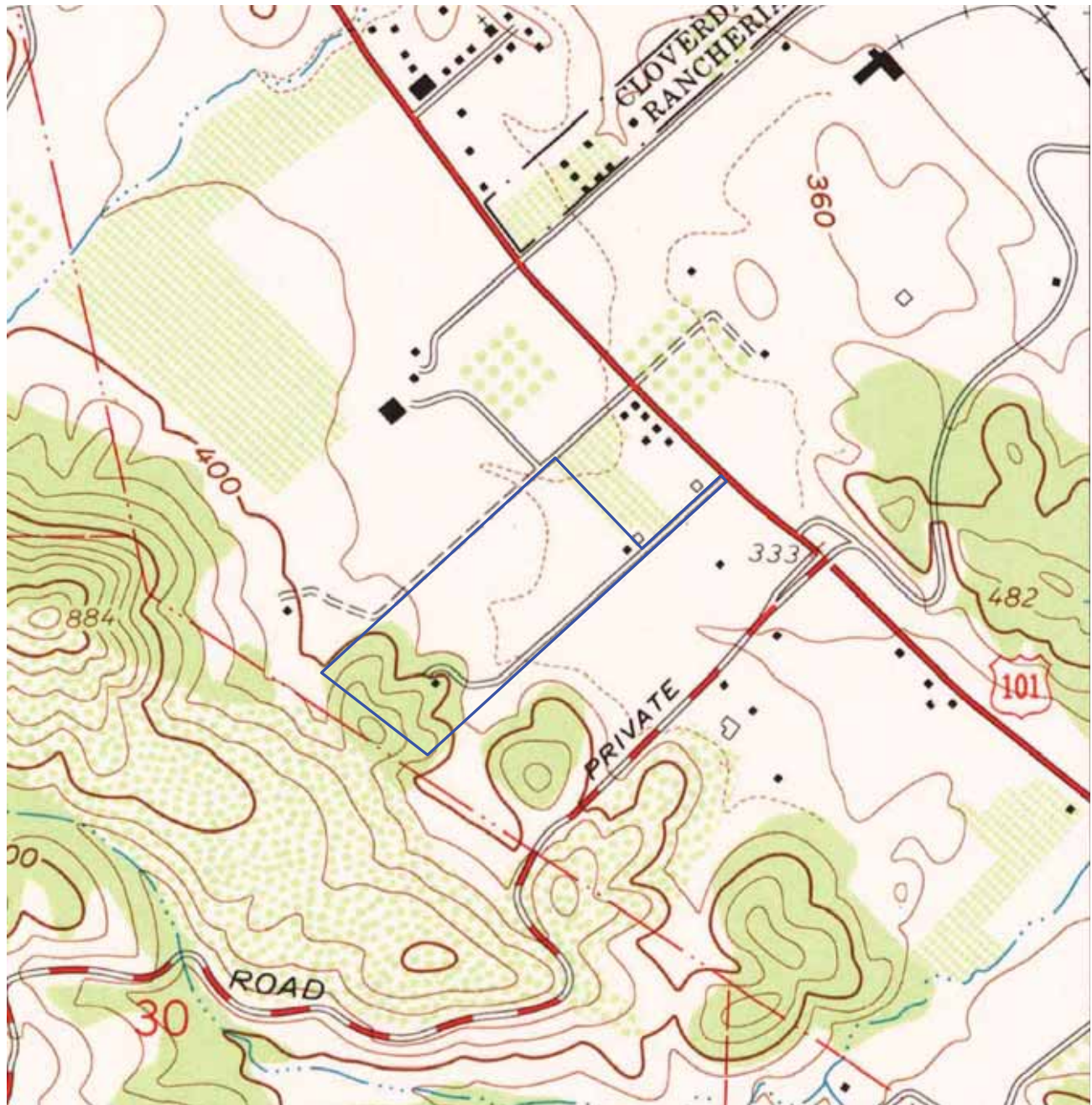


- = SUBJECT SITE BOUNDARY (APPROXIMATE)
- = STORAGE SHED OR BARN CONTAINING FUNCTIONAL & NON-FUNCTIONAL TRACTORS/EQUIPMENT
- = DWELLING AND DETACHED STORAGE BUILDING
- = WASTE OIL AST
- = TRACTORS/VEHICLES/EQUIPMENT IN EXTERIOR AREA (SOME APPARENTLY NON-FUNCTIONAL)
- = POLE-MOUNTED ELECTRICAL TRANSFORMER
- = APPROXIMATE LOCATION OF WASTE OIL UST & DIESEL UST REMOVED IN DECEMBER 2016
- = APPROXIMATE LOCATION OF 3 FUEL USTs REMOVED IN 1990
- = DRY GOODS STORAGE CONTAINER
- = WATER WELL/SHED/PRESSURE TANK
- = DISCARDED MATERIALS RESTING ON GROUND SURFACE
- = SHOP BUILDING/MAINTENANCE MATERIALS



SITE MAP		Scale:	Date:	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>With Offices Serving the Western U. S.</i>
<b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>		NTS	November 2017	
		Drawn By:	Approved by:	
		BV	BV	
		Project No.	Figure No.	
		034-17125	2	






7.5-MINUTE SERIES  
USGS TOPOGRAPHIC MAP  
CLOVERDALE, CALIFORNIA  
DATED 1960  
PHOTOREVISED 1975

— = SUBJECT SITE BOUNDARY



TOPOGRAPHIC MAP		Scale:	Date:	 <b>Krazan</b> SITE DEVELOPMENT ENGINEERS <i>With Offices Serving the Western U. S.</i>
<b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> 28195 HIGHWAY 101 APNS 117-040-053 AND -084 CLOVERDALE, CALIFORNIA 95425		NTS	November 2017	
		Drawn By: BV	Approved by: BV	
		Project No. 034-17125	Figure No. 3	





**Photo 1:** Northern-facing view of the single-family dwelling located in the western portion of the subject site.



**Photo 2:** Interior view of the living/dining area in the single-family dwelling located in the western portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**Project No.** 034-17125

**Date:** November 2017

**Approved by:** BV

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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*



**Photo 3:** Eastern-facing view of the storage building associated with the dwelling located in the western portion of the subject site.



**Photo 4:** Interior view of the storage building associated with the dwelling located in the western portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
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CLOVERDALE, CALIFORNIA 95425**

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**Approved by:** BV

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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*





**Photo 5:** Southern-facing view of the shop canopy structure located in the western portion of the subject site.



**Photo 6:** Northeastern-facing view of the area beneath the shop canopy structure located in the western portion of the subject site.

**PROPOSED RESIDENTIAL  
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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*



**Photo 7:** Southwestern-facing view of the tractor storage shed located in the central southern portion of the subject site.



**Photo 8:** Interior view of the northern end of the tractor storage shed located in the central southern portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**Project No.** 034-17125

**Date:** November 2017

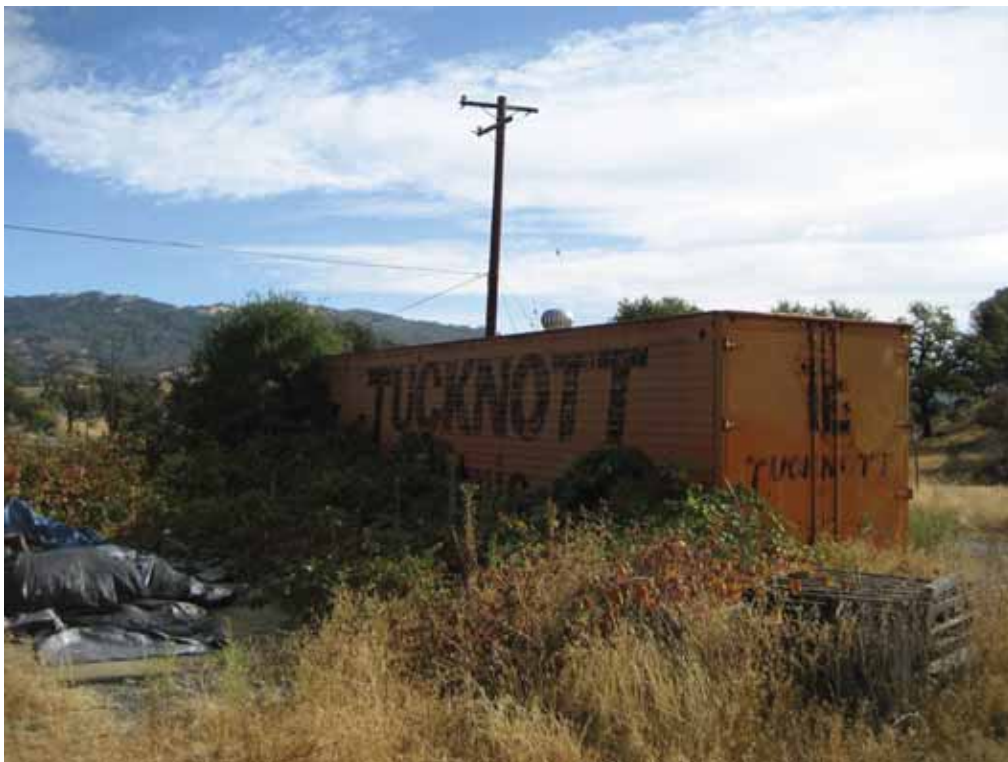
**Approved by:** BV

 **Krazan**  
**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*





**Photo 9:** Northwestern-facing view of the home gardening area located in the central-southern portion of the subject site.



**Photo 10:** Northeastern-facing view of a truck trailer reportedly utilized for the storage of personal property (dry goods) located in the central-southern portion of the site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
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**Date:** November 2017

**Approved by:** BV

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*Offices Serving the Western United States*



**Photo 11:** Northeastern-facing view of a trailer and shipping container utilized for the storage of personal property located in the central-western portion of the site.



**Photo 12:** Interior view of the trailer utilized for the storage of personal property located in the central-western portion of the site.

**PROPOSED RESIDENTIAL  
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*Offices Serving the Western United States*





**Photo 13:** View of an approximately 125-gallon waste oil AST located at the shop in the central-eastern portion of the subject site.



**Photo 14:** View of the grease/lubricant drums and waste oil receptacle located at the shop in the central-eastern portion of the subject site.

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*Offices Serving the Western United States*





**Photo 15:** View of the common maintenance materials located at the shop in the central-eastern portion of the subject site.



**Photo 16:** View of an empty truck-mounted fuel tank located at the shop area in the central-eastern portion of the subject site.

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**Photo 17:** Southwestern-facing view of the storage barn located in the southeastern portion of the subject site.



**Photo 18:** Interior view of the western portion of the storage barn located in the southeastern part of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*





**Photo 19:** Interior view of the southern portion of the storage barn located in the southeastern part of the subject site.



**Photo 20:** Northeastern-facing view of the dilapidated well house located in the southeastern portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
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APNS 117-040-053 AND -084  
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*Offices Serving the Western United States*



**Photo 21:** Interior view of the non-operational water well and pressure tank located in the dilapidated well house in the southeastern portion of the subject site.



**Photo 22:** Western-facing view of the discarded materials resting on the ground surface adjacent to the drainage channel in the southeastern portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
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*Offices Serving the Western United States*





**Photo 23:** Northeastern-facing view of the farm equipment located in the central-northern portion of the subject site.



**Photo 24:** Southwestern-facing view of the vehicles and farm equipment/materials located adjacent to the west of the shop canopy in the central portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

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**Date:** November 2017

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*Offices Serving the Western United States*



**Photo 25:** Southern-facing view of the fence materials, boat, truck, and farm equipment located in the central-northern portion of the subject site.



**Photo 26:** Southeastern-facing view of the pipe rack and maintenance materials located adjacent to the west of the shop canopy (central-western portion of the subject site).

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CLOVERDALE, CALIFORNIA 95425**

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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*





**Photo 27:** Northeastern-facing view of the access road which comprises the far-southeastern portion of the subject site.



**Photo 28:** Southeastern-facing view of the northeastern portion of the subject site (on-site drainage channel is pictured on right side of photo).

**PROPOSED RESIDENTIAL  
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**Photo 29:** Northwestern-facing view of the fallow land located in the central portion of the subject site.



**Photo 30:** Northeastern-facing view of the central-southern portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

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*Offices Serving the Western United States*



**Photo 31:** Southwestern-facing view of the fallow land located in the eastern and central portions of the subject site.



**Photo 32:** Northeastern-facing view of the undeveloped land located in the western portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

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*Offices Serving the Western United States*





**Photo 33:** Southwestern-facing view of the rural residential property located adjacent to the west of the subject site.



**Photo 34:** Northeastern-facing view of the residential development located adjacent to the north of the western portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

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*Offices Serving the Western United States*



**Photo 35:** Northwestern-facing view of the commercial property located adjacent to the north of the eastern portion of the subject site.



**Photo 36:** Northwestern-facing view of the storage yard facility located adjacent to the east of the central and eastern portions of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**Project No.** 034-17125

**Date:** November 2017

**Approved by:** BV

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**SITE DEVELOPMENT ENGINEERS**  
*Offices Serving the Western United States*





**Photo 37:** Western-facing view of the storage yard office located adjacent to the east of the southern portion of the subject site.



**Photo 38:** Western-facing view of the Renner Petroleum fueling facility located adjacent to the north of the access road comprising the far eastern portion of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**Project No.** 034-17125

**Date:** November 2017

**Approved by:** BV

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*Offices Serving the Western United States*



**Photo 39:** Eastern-facing view of the landscape materials yard located adjacent to the south of the access road comprising the far eastern portion of the subject site.



**Photo 40:** Southwestern-facing view of the undeveloped land located adjacent to the south of the central and western portions of the subject site.

**PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 AND -084  
CLOVERDALE, CALIFORNIA 95425**

**Project No.** 034-17125

**Date:** November 2017

**Approved by:** BV

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*Offices Serving the Western United States*



# *Appendix A*

**Phase I ESA User Questionnaire**  
**Proposed Residential Development Property**  
**28195 Highway 101, APNs 117-040-053 and -084**  
**Cloverdale, California 95425**

Respondent Information:

Name: Lori Kersten  
Date: 10/4/17

Company: CB4  
Phone: 818 905 2130

**Introduction**

"In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001 (the 'Brownfields Amendments'), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that 'all appropriate inquiry' is not completed"- American Society for Testing and Materials (ASTM) E1527-05 Appendix X3: User Questionnaire

1. Are you aware of any environmental cleanup liens against the subject site that are filed or recorded under federal, tribal, state, or local law?

Not to my knowledge

2. Are you aware of any activity use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the subject site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Not to my knowledge

3. As the user of the Phase I Environmental Site Assessment (ESA), do you have any specialized knowledge or experience related to the subject site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject site or an adjacent property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

4. Does the purchase price being paid for the subject site reasonably reflect the fair market value of the subject site? Yes No

A. 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 subject site?

N/A

5. Are you aware of commonly known or reasonably ascertainable information about the subject site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:

A. Do you know the past uses of the subject site? If so, briefly explain.

Former used for Agriculture

B. Do you know of specific chemicals that are present or once were present at the subject site? If so, briefly explain.

No

C. Do you know of spills or other chemical releases that have taken place at the subject site? If so, briefly explain.

Not to my knowledge

D. Do you know of any environmental cleanups that have taken place at the subject site? If so, briefly explain.

Not to my knowledge

6. As the user of the Phase I ESA, based on your knowledge and experience related to the subject site, are there any obvious indicators that point to the presence or likely presence of contamination at the subject site?

NONE

7. What is the reason for preparation of this Phase I ESA? (Property purchase/sale; bank loan; proposed development; etc.)

Property purchase / development

I, the user of this Phase I ESA (or authorized representative of the User), do hereby attest that I have carefully considered the questions herein and have presented answers to the best of my knowledge and ability based upon the Responsibilities of the User as required within ASTM E1527-05 guidance.

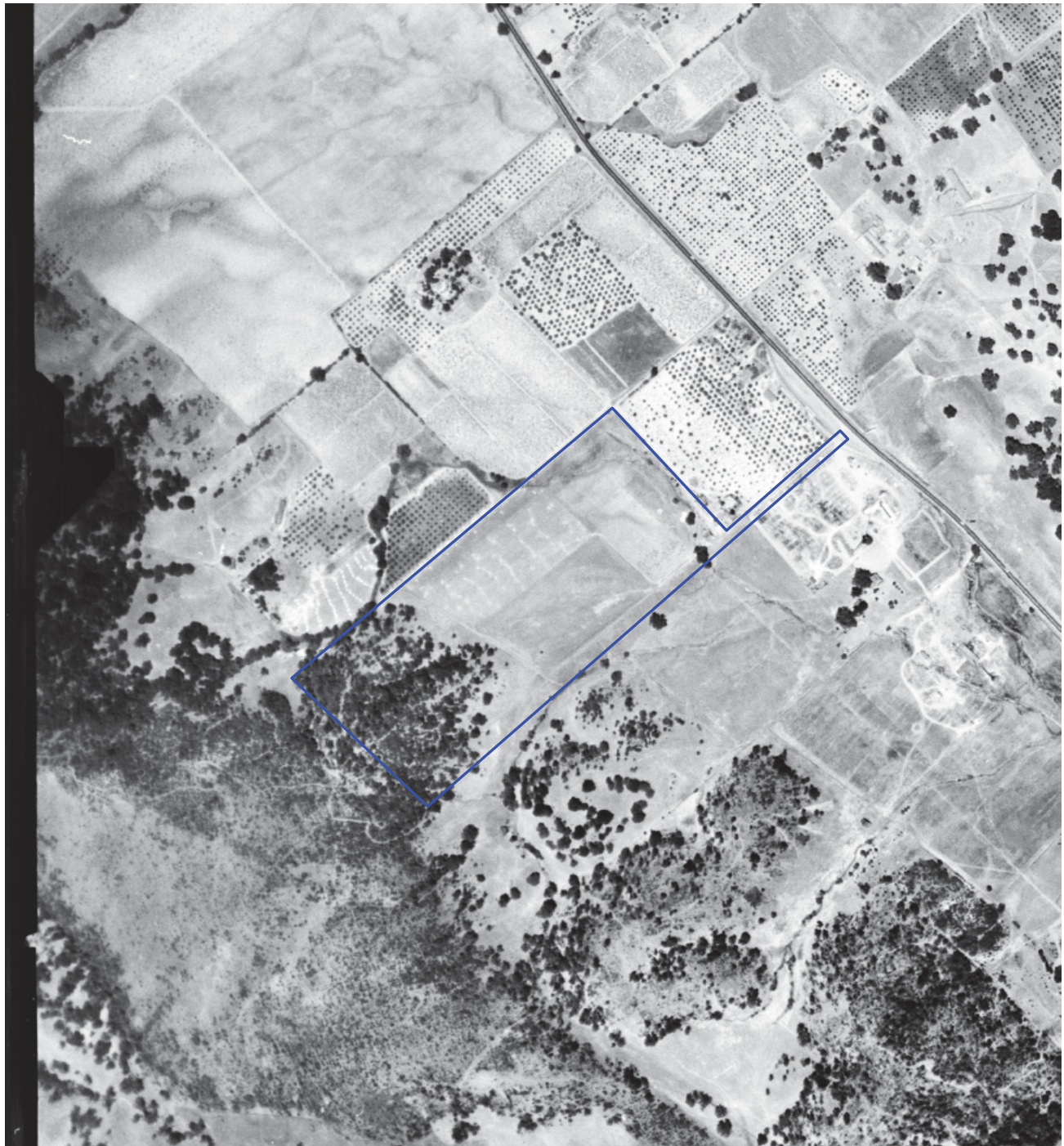
Name Leri Korte  
(Please Print)

Date 10/4/17

Signature [Signature]


## *Appendix B*



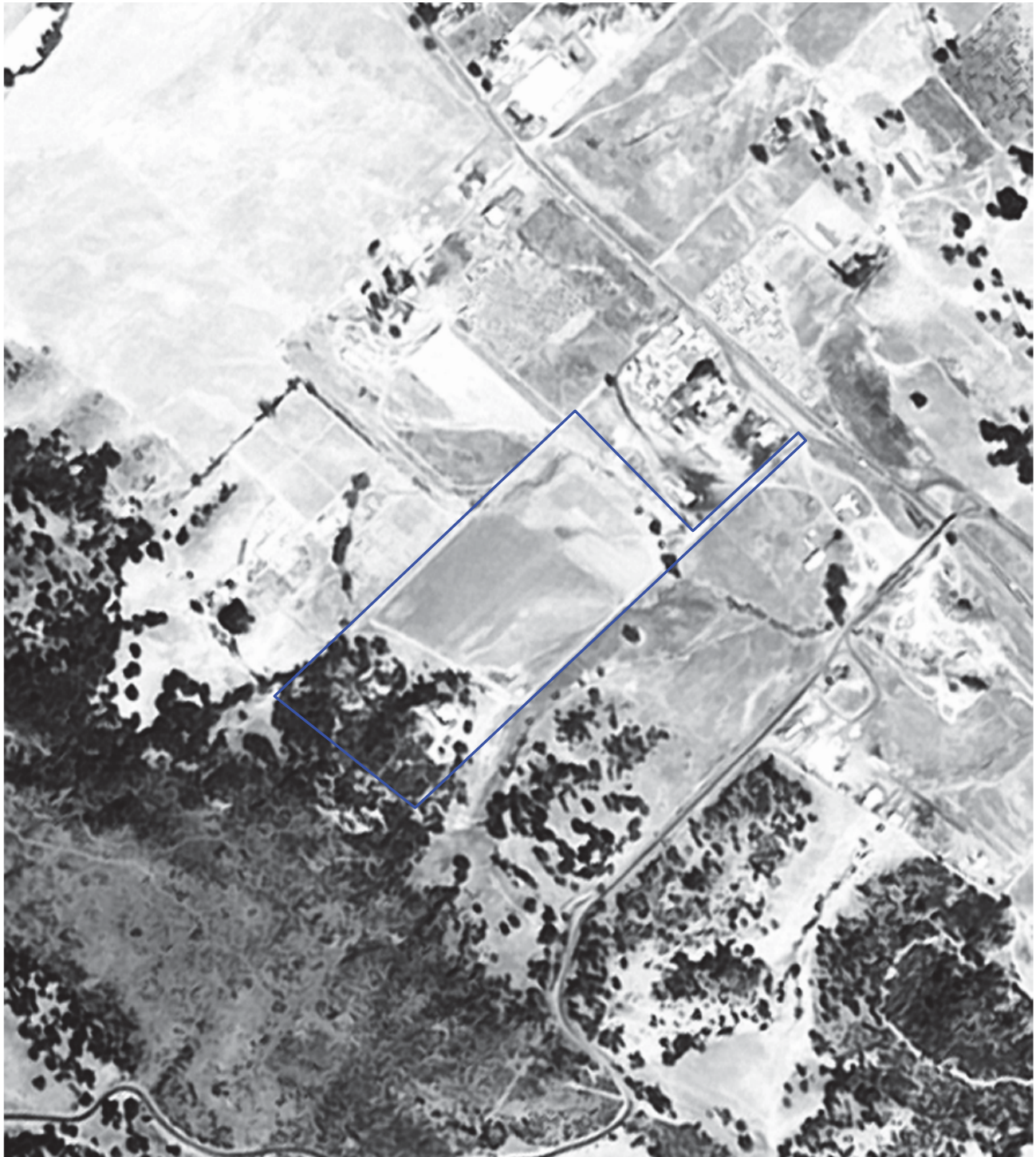


— = Subject Site Boundary (Approximate)




1953 AERIAL PHOTOGRAPH	Scale: 1" = 500'	Date: November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
<b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY 28195 HIGHWAY 101 APNS 117-040-053 AND -084 CLOVERDALE, CALIFORNIA 95425</b>	Drawn By: BV	Approved by: BV	
	Project No. 034-17125	Source: EDR	





— = Subject Site Boundary (Approximate)




1966 AERIAL PHOTOGRAPH	Scale:	Date:	 <b>Krazan</b> SITE DEVELOPMENT ENGINEERS <i>Offices Serving the Western United States</i>
<b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY 28195 HIGHWAY 101 APNS 117-040-053 AND -084 CLOVERDALE, CALIFORNIA 95425</b>	1" = 500'	November 2017	
	Drawn By: BV	Approved by: BV	
	Project No. 034-17125	Source: EDR	





— = Subject Site Boundary (Approximate)




<b>1974 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	





— = Subject Site Boundary (Approximate)




1983 AERIAL PHOTOGRAPH	Scale:	Date:	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
<b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	1" = 500'	November 2017	
	Drawn By: BV	Approved by: BV	
	Project No. 034-17125	Source: EDR	





— = Subject Site Boundary (Approximate)




<b>1993 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>Krazan</b> <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	



— = Subject Site Boundary (Approximate)




<b>2004 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	





— = Subject Site Boundary (Approximate)




<b>2010 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	





— = Subject Site Boundary (Approximate)




<b>2014 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	



— = Subject Site Boundary (Approximate)



<b>2017 AERIAL PHOTOGRAPH</b>  <b>PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY</b> <b>28195 HIGHWAY 101</b> <b>APNS 117-040-053 AND -084</b> <b>CLOVERDALE, CALIFORNIA 95425</b>	<b>Scale:</b> 1" = 500'	<b>Date:</b> November 2017	 <b>SITE DEVELOPMENT ENGINEERS</b> <i>Offices Serving the Western United States</i>
	<b>Drawn By:</b> BV	<b>Approved by:</b> BV	
	<b>Project No.</b> 034-17125	<b>Source:</b> EDR	

# *Appendix C*





Proposed Residential Development Property

28195 Hwy 101

Cloverdale, CA 95425

Inquiry Number: 5066100.3

October 02, 2017

## 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

10/02/17

**Site Name:**

Proposed Residential Developr  
28195 Hwy 101  
Cloverdale, CA 95425  
EDR Inquiry # 5066100.3

**Client Name:**

Krazan & Associates, Inc.  
4320 Orange Grove Avenue Suite E  
Sacramento, CA 95841  
Contact: Bill Vick



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Krazan & Associates, Inc. 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 #** 9B90-4EC5-B7A7

**PO #** NA

**Project** 034-17125

#### UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 9B90-4EC5-B7A7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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## *Appendix D*



**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PROPERTY OWNER INTERVIEW QUESTIONNAIRE**

Date: October 2, 2017 Krazan PM: Bill Vick

Project No: 034-17125 Project Name: Proposed Residential Development Property

Site Address: 28195 Highway 101, Cloverdale, California 95425; APNs 117-040-053 and -084

Interview With: Virginia C. Neat

Telephone No: 707-894-3111 Fax No: \_\_\_\_\_

Knowledge of Previous Owner(s) and Phone Number? 12/12/1933 - John E. Baumgardner & Adelaide Baumgardner  
1984 - Owned by heirs of above.

How are you associated with the subject property? Property Owner / Property Owner's Representative

How long have you been associated with the subject property? 73 years

What is the subject property currently used for? house rental - truck shop - farming

Are there structures on the subject property? Yes How Many? 4 - house, barn, shop, well

Do you know of any previous structures on the subject property? 1 water well Was eliminated.

Do you have knowledge of the presence of underground storage tanks being located on the subject property either historically or currently? None

Do you have knowledge of the presence of aboveground storage tanks being located on the subject property either historically or currently? Yes. Above ground gas tank. Removed 1960's (?)

Do you have knowledge of the presence of imported soil on the subject property? If so, please indicate the origin/location of the imported soil. Yes. Soil was from apple orchard.

Do you know of any chemicals, hazardous materials, and/or environmentally persistent pesticides/herbicides being used, stored or discharged on the subject property? No

Do you know of any buried materials such as garbage dumps or burn pits located on the subject property? Yes

Are there currently or were there historically any septic systems? (Yes) No  
If yes, how many? 3

Are there currently or were there historically any water wells located on the subject property? (Yes) No  
If yes, how many? 2

Are there currently or were there historically any dry wells located on the subject property? Yes (No)

Are there currently or were there historically any monitoring wells located on the subject property? Yes (No)

Are there any drainage or disposal ponds located on the subject property? No

Is the subject property connected to municipal water and sewer systems? Yes

Do you have obvious indications pointing to the presence or likely presence of contamination of the subject property?  
No

Do you have any concerns about adjacent property usage such as gasoline stations, industrial uses, or USTs/ASTs on adjacent properties? No

Are you aware of any environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law?  
No

Are you aware of any activity use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?  
No

Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjacent property so that you would have specialized knowledge of the chemicals and processes used by this type of business?  
No

Does the purchase price being paid for the subject property reasonably reflect the fair market value of the subject property?  
Yes No

Do you know the past uses of the subject property? If so, briefly explain.  
Yes Farming - prunes, Farm animals, hay

Do you know of specific chemicals that are present or once were present at the subject property?  
If so, briefly explain. No

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*With Offices Serving the Western United States*

Do you know of spills or other chemical releases that have taken place at the subject property?

If so, briefly explain.

No

Do you know of any environmental cleanups that have taken place at the subject property?

If so, briefly explain.

No

What is the reason for preparation of this Phase I ESA? (Property purchase/sale; bank loan; proposed development; etc.)

Property Purchase

Name: Virginia C. Neat  
(Please Print)

Date: October 16, 2017

Signature: \_\_\_\_\_

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## *Appendix E*





Mr. J. Glenn Morelli, P.G., C.H.G.  
Sonoma County Transportation and Public Works  
2300 County Center Rd.  
Santa Rosa, California 95403

January 29, 2016

**Re: Report on UST Removal - December 2015**  
Jet Trucking (Former)  
28181 S. Cloverdale Blvd  
Cloverdale, California  
Blue Rock Project No. NC-148

Dear Mr. Morelli,

This report presents the results of underground storage tank (UST) removal activities performed in December 2015 at 28181 Cloverdale Blvd., Sonoma County, California (site) (Figure 1), and was prepared on behalf of MLRX2, LLC by Blue Rock Environmental, Inc. (Blue Rock).

This property was also the subject of a previous leaking UST case over 20 years ago (i.e. Sonoma LOP case #1220 and NCRWQCB Case #1TSO383) for two USTs removed from the rear-central portion (i.e. southwest area) of the property. That case received regulatory closure on November 7, 1995 and is not the subject of this report.

## **UST Removal**

### UST Removal Activities

During recent renovation efforts at the site, two other USTs were discovered. In December 2015, one 750-gallon waste oil UST and one 1,100-gallon diesel UST were discovered in the eastern portion of the site (Figure 2).

On December 9, 2015, Beacom Construction (Beacom) of Fortuna California, under the supervision of Blue Rock, removed one 750 gallon, single-wall steel waste oil UST at the site (Figure 2). The UST initially contained approximately 750 gallons of waste oil. The waste oil was pumped into 55-gallon DOT rated drums prior to Blue Rock's arrival on site. The UST was cleaned prior to removal. Numerous holes and significant corrosion were observed in the tank upon removal. Soil in the tank cavity generally consisted of silt from the surface to approximately 12 feet below ground surface (ft bgs). No groundwater was encountered in the tank cavity during removal activities. ~~The tank cavity was backfilled with clean, self-compacting pea gravel.~~ After Blue Rock's departure, Beacom reportedly uncovered an additional UST located approximately 20 feet northeast of the waste oil UST.

On December 14, 2015, Blue Rock returned to the site to supervise Beacom in the removal of one 1,100 gallon single-wall steel diesel UST. The UST contained approximately 300 gallons of water and 55 gallons of sludge solids which were pumped from the UST and placed into 55 gallon DOT drums. The UST was cleaned prior to removal. Numerous holes and significant corrosion were observed in the tank upon removal. Soil in the tank cavity generally consisted of silt from the surface to approximately 8.5 ft bgs. No groundwater was encountered in the tank cavity during removal activities. The tank cavity was backfilled with clean, self-compacting pea gravel.

The two removed USTs were transported to the Eel River Transportation and Salvage of Fortuna, California, to be used for scrap metal (see attached disposal receipt). Approximately 250 cubic yards of impacted soil generated from the tank removal efforts was enveloped in heavy-gauge plastic sheeting pending profiling and disposal. Twelve 55-gal. drums of waste oil, six 55-gal. drums of tank / rinse water, and three 55-gal. drums of sludge / solids were generated during removal activities. Tank removal waste will be off hauled to appropriate facilities under manifest. Manifests will be forwarded upon receipt.

#### Soil Sampling

Two soil samples were collected from each end of the waste oil UST cavity at a depth of 8 ft bgs (T1N-8 FT and T1S-8 FT) (Figure 2). Over-excavation of the waste oil UST cavity was performed in an attempt to remove additional contaminated soil and an additional set of samples was collected at a depth of 12 ft bgs in the same locations (T1N-12 FT and T1S-12 FT).

Two soil samples were collected from each end of the diesel UST cavity at a depth of 8.5 ft bgs (T2E-8.5 FT and T2W-8.5 FT).

Approximately 250 cubic yards of soil were generated by tank removal and excavation activities. One sample (STKP-A,B,C,D) was collected from that soil pile.

Soil samples were collected in clean stainless steel tubes, covered with Teflon<sup>®</sup> lined plastic end caps, labeled, documented on a chain of custody form, and placed on ice in a cooler for transport to the project laboratory.

### Soil Sample Analysis

Soil samples for the waste oil UST were analyzed by a California DHS-certified laboratory for concentrations of:

- Oil & Grease by EPA method 1664A (T1N-8 FT, T1S-8 FT)
- TPHmo by EPA Method 3550/8015B (T1N-8 FT, T1S-8 FT, T1N-12 FT, T1S-12 FT)
- TPHd by EPA Method 3550/8015B (T1N-8 FT, T1S-8 FT, T1N-12 FT, T1S-12 FT)
- TPHg by EPA Method 8260B (T1N-8 FT, T1S-8 FT)
- Volatile Organic Compounds (VOCs) by EPA Method 8260B (T1N-8 FT, T1S-8 FT)
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C (T1N-8 FT, T1S-8 FT)
- Polychlorinated bi-phenols (PCBs) by EPA method 8082 (T1N-8 FT, T1S-8 FT)
- CAM 5 metals by EPA Method 6010B (T1N-8 FT, T1S-8 FT)

Soil samples for the diesel UST were analyzed by a California DHS-certified laboratory for concentrations of:

- TPHd by EPA Method 3550/8015B (T2E-8.5 FT, T2W-8.5 FT)
- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA 5035/8260B (T2E-8.5 FT, T2W-8.5 FT)

### Soil Sample Analytical Results – Waste Oil UST Excavation

Concentrations of TPHmo, TPHd, TPHg and Oil & Grease were detected in the soil samples collected from the waste oil UST cavity (i.e. T1N-8 FT and T1S-8 FT). The following maximum concentrations were detected in these samples: TPHmo 96 mg/kg, TPHd 660 mg/kg, TPHg 13 mg/kg, and Oil & Grease 930 mg/kg. No additional VOCs, SVOCs, or PCBs were detected in any of the samples analyzed.

Following over-excavation and sampling at 12 ft bgs, TPH concentrations were much lower in samples T1N-12 FT and T1S-12 FT. The following maximum concentrations were detected in these samples: TPHmo non-detect <10 mg/kg and TPHd 2.2 mg/kg. Over excavation activities appear to have successfully removed petroleum impacted soil from the waste oil UST location.

### Soil Sample Analytical Results – Diesel UST Excavation

Low concentrations of TPHd and BTEX were detected in the soil samples collected from the diesel UST cavity (i.e. T2N-8.5 FT and T2S-8.5 FT). The following maximum concentrations were detected in these samples: TPHd 66 mg/kg, benzene 0.59 mg/kg, toluene 0.93 mg/kg, ethylbenzene 6.7 mg/kg, and xylenes 28.8 mg/kg.

### Soil Sample Analytical Results – Soil Pile from Excavation

The composite sample collected from the soil pile (STKP A,B,C,D) contained concentrations of TPHmo, TPHd, TPHg and Oil & Grease at 1,300 mg/kg, 230 mg/kg, 4.4 mg/kg and 110 mg/kg, respectively. Xylenes were detected at 0.195 mg/kg. Cadmium, chromium, nickel, lead and zinc were detected at concentrations of 1.6 mg/kg, 85 mg/kg, 16 mg/kg, 100 mg/kg and 68 mg/kg, respectively.

Soil sample analytical results are listed in Table 1 and select analytes are displayed in Figure 3. The analytical reports are attached.

### Discussion of Results

The petroleum impact to soil in the former waste oil tank appears to have been extremely limited to the immediate vicinity around and below the tank and was removed by over-excavation to a depth of 12 ft bgs. The attenuation of petroleum impact with depth is demonstrated by the diminishment of constituent concentrations with depth. For example, on the north side of the pit TPHd decreased from 660 mg/kg to <1.0 mg/kg from a depth of 8 to 12 ft bgs. A similar reduction was observed on the south side of the pit. It appears the vast majority of petroleum impacted soil was removed by over-excavation activities at the waste oil tank pit. The concentrations of metals detected in all soil samples are generally consistent with native background concentrations found in the area of Cloverdale (Table 1, USGS 1984).

Low levels of petroleum (i.e. TPHd <100 mg/kg) were detected in the excavation samples collected from the diesel tank pit. No significant impact below the former tanks appears to be present.

### Recommendations

Based on the results of tank removal efforts, no further action appears to be warranted.

### References

- Shacklette, H.T. and Boerngen, J.G. 1984. *Element Concentrations in Soil and Other Surficial Material of the Conterminous United States*. U.S. Geological Survey Professional Paper 1270, 105 p.



### Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions, please contact Scott Ferriman at (707) 441-1934 or Brian Gwinn at (650) 522-9292.

Sincerely,  
Blue Rock Environmental, Inc.

Prepared by:

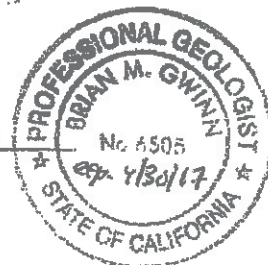


Andrew Locicero  
Project Scientist

Reviewed by:



Brian Gwinn, PG  
Principal Geologist



Attachments:

- Table 1: UST Removal Soil Sample Analytical Data
- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: UST Removal Soil Sample Analytical Data
- Field Notes
- UST Disposal Receipts
- Laboratory Analytical Reports and Chain-of-Custody Forms

Distribution

MLRX2, LLC  
Mike Renner  
1940 Home Ave  
Fortuna, CA 95540

James Stettler  
Fire/Hazmat Inspector  
Sonoma County Fire  
2300 County Center Drive, #221-A  
Santa Rosa, CA 95403

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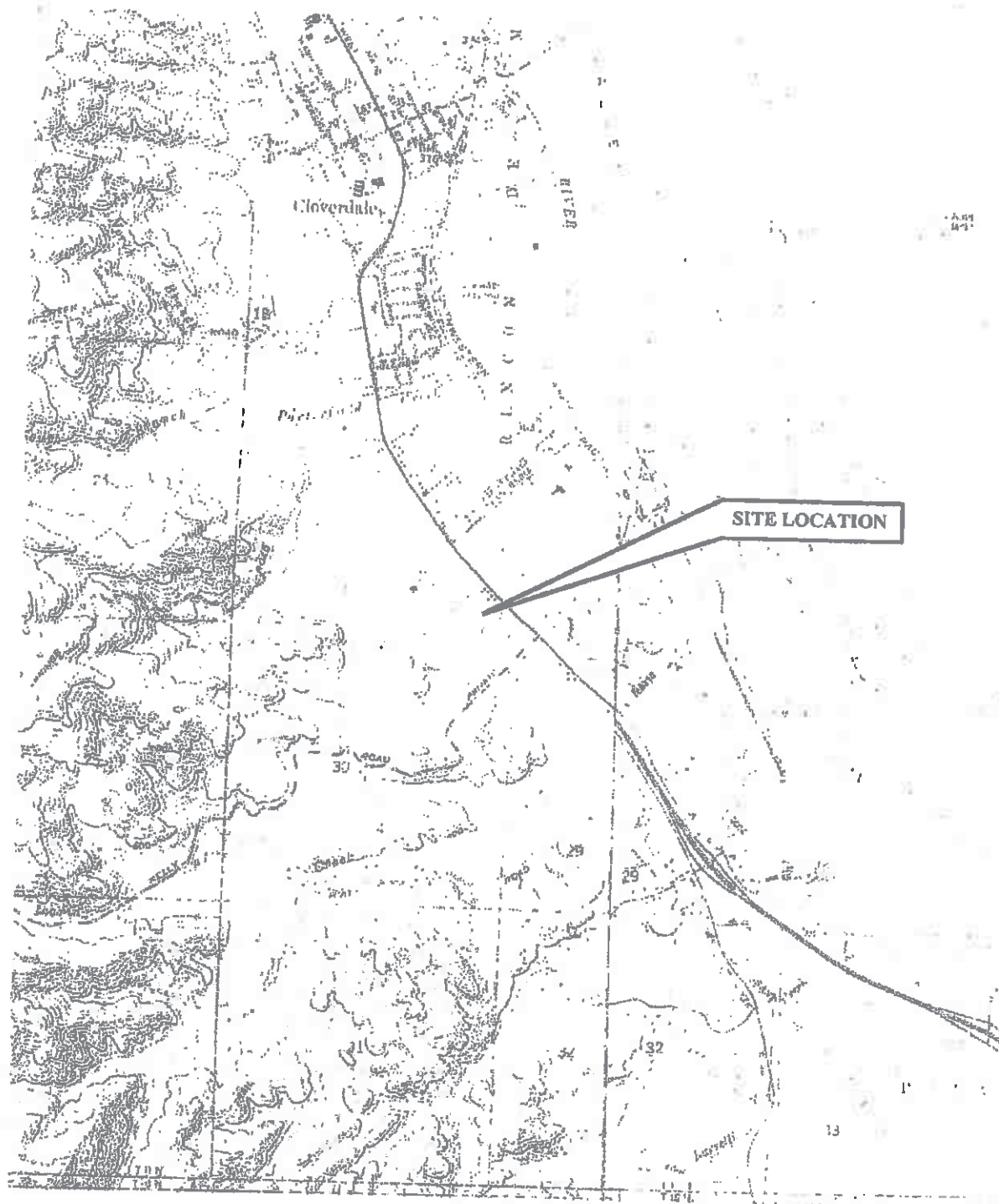
Table 1  
 UST REMOVAL SOIL  
 SAMPLE ANALYTICAL DATA  
 Jet Trucking (Former)  
 28181 S. Cloverdale Blvd.  
 Cloverdale, California  
 Blue Rock Project # NC-148

Hydrocarbons														
Sample ID	Sample Depth (feet bgs)	Sample Date	O&G (mg/Kg)	TPHmo (mg/Kg)	TPHd (mg/Kg)	TPHlg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)	VOCs (mg/Kg)	SVOCs (mg/Kg)	PCBs (ug/Kg)
UST Excavation Removal Samples														
T1N-8 FT	8	12/9/15	250	93	660	13	<0.005	<0.005	<0.005	<0.015	<0.020	<0.005-<0.4	<0.5-<10	<50
T1S-8 FT	8	12/9/15	930	96	380	10	<0.005	<0.005	<0.005	<0.015	<0.020	<0.005-<0.4	<0.5-<10	<50
T1N-12 FT	12	12/9/15	--	<10	<1.0	--	--	--	--	--	--	--	--	--
T1S-12 FT	12	12/9/15	--	<10	2.2	--	--	--	--	--	--	--	--	--
T2E-8.5 FT	8.5	12/14/15	--	--	66	--	0.59	0.93	6.7	28.8	--	--	--	--
T2W-8.5 FT	8.5	12/14/15	--	--	25	--	0.0064	<0.005	1.2	0.1179	--	--	--	--
UST Removal Soil Pile Sample Data														
STKP-A,B,C,D (COMPOSITE)	--	12/9/15	110	1,300	230	4.4	<0.005	<0.005	<0.005	0.195	<0.020	<0.02-0.4	<0.5-<10	<50
UST Removal Soil Pile Sample Data														
Sample ID	Sample Depth (feet bgs)	Sample Date	Cd (mg/Kg)	Cr (mg/Kg)	Pb (mg/Kg)	Ni (mg/Kg)	Zn (mg/Kg)							

Sample ID	Sample Depth (feet bgs)	Sample Date	Cd (mg/Kg)	Cr (mg/Kg)	Pb (mg/Kg)	Ni (mg/Kg)	Zn (mg/Kg)
T1N-8 FT	8	12/9/15	1.6	76	6.7	76	69
T1S-8 FT	8	12/9/15	1.5	67	8.3	79	64
STKP-A,B,C,D (COMPOSITE)	--	12/9/15	1.6	85	16	100	68
<i>Background Metal Levels (USGS 1984)</i>							
			--	70 - 2,000	20 - 50	20 - 700	45 - 120

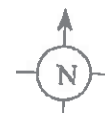
Notes

bgs: below ground surface  
 mg/Kg = milligrams per kilogram=ppm=parts per million  
 <#B: Not detected above the method detection limit as shown.  
 O&G: HEM: Oil and Grease by EPA Method 1664A  
 TPHmo: Total Petroleum Hydrocarbons as Motor Oil by EPA Method 3550/8015M  
 TPHd: Total Petroleum Hydrocarbons as Diesel by EPA Method 3550/8015M  
 TPHg: Total Petroleum Hydrocarbons as Gasoline by EPA Method 5030/8015M  
 BTEX: by EPA Method 8260 or 8020  
 MTBE: Methyl Tertiary Butyl Ether by EPA Method 8260  
 VOCs: by EPA Method 8260  
 SVOCs: by EPA Method 8270C  
 PCBs: by EPA Method 8082  
 CAM 5 Metals by EPA Method 6010B  
 "--" Not analyzed, available or applicable



SOURCE: MyTopo.com

0 2,000  
APPROX. SCALE IN FEET



**SITE LOCATION MAP**  
Jet Trucking (former)  
28181 South Cloverdale Blvd.  
Cloverdale, CA

 EARTH & ENVIRONMENTAL INC.

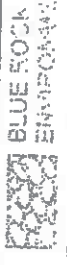
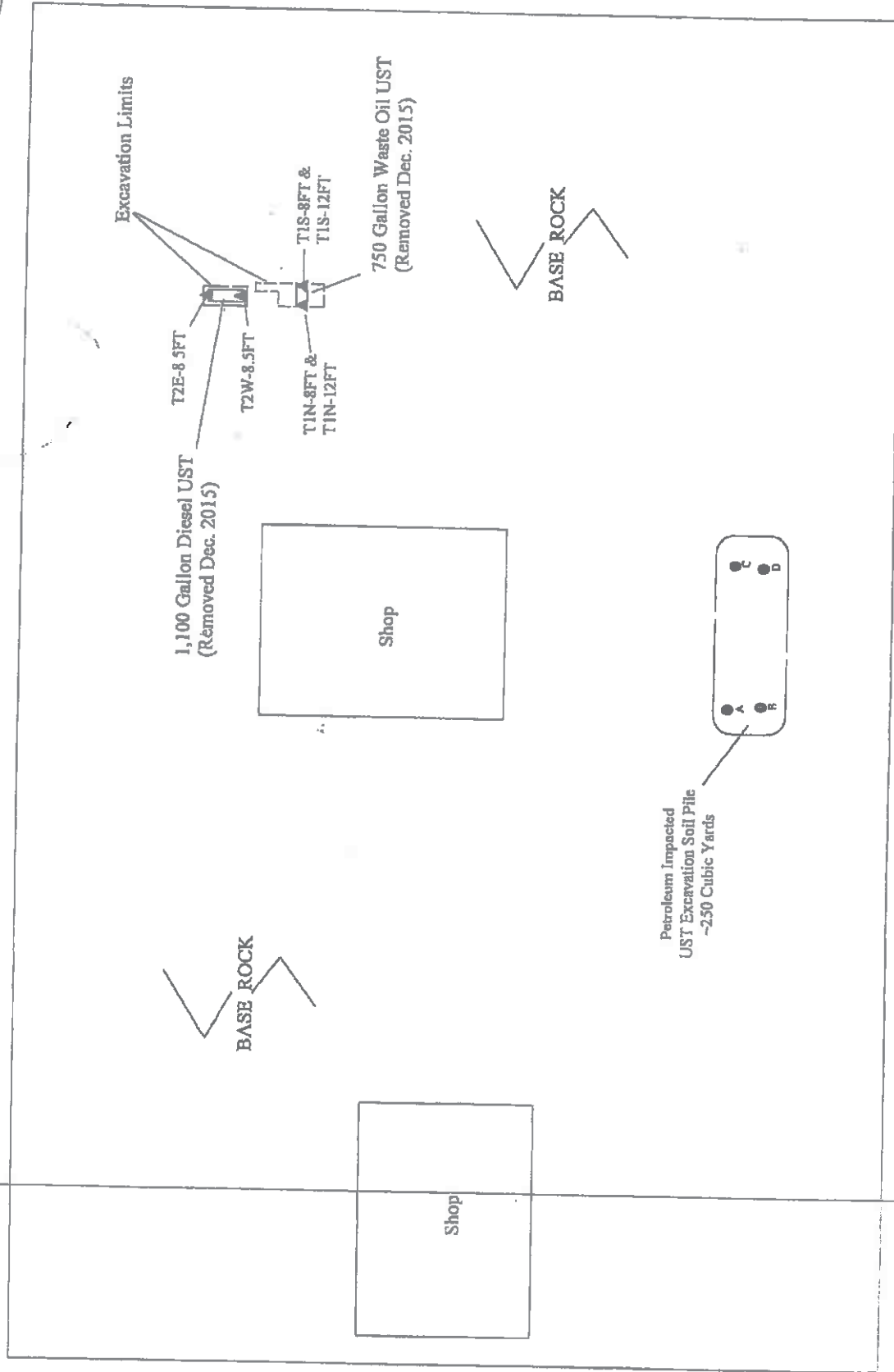
Project No.  
NC-148

Figure Date  
1/16

Figure  
1



S. Cloverdale Blvd



**Site Plan**  
Jet Trucking (former)  
28181 South Cloverdale Blvd  
Cloverdale, California

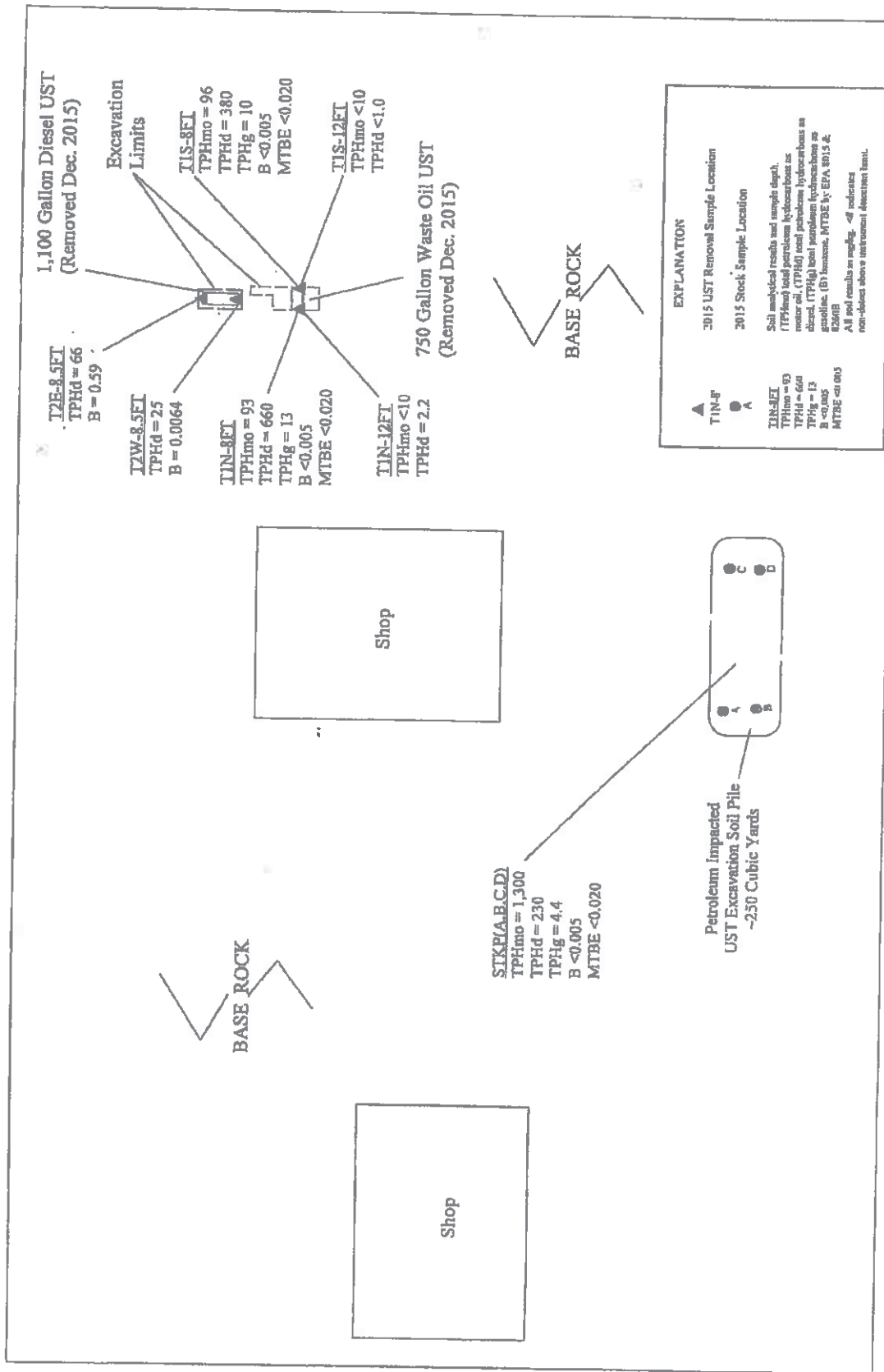
EXPLANATION	
▲	2015 UST REMOVAL SAMPLE LOCATION
●	2015 SOIL PILE SAMPLE LOCATION

Project No.  
NC-148

Report Date  
1/16

Figure  
2

S. Cloverdale Blvd



**UST Removal Soil Sample Analytical Data**  
 Jet Trucking (former)  
 28181 South Cloverdale Blvd  
 Cloverdale, California



Figure 3

Report Date 1/16

Project No. NC-148

# DAILY FIELD REPORT

PAGE \_\_\_\_ OF \_\_\_\_

Project Number: MC-148 Date: 12/14/15  
 Site Name: Get Trucking Field Personnel: JP  
 Site Address: 28181 S. Chardwick Blvd Proj. Manager: JP  
Novato, CA  
 Scope of work: Devel UST oversight  
 Drum Inventory Soil: \_\_\_\_\_ Water: \_\_\_\_\_ Free product: \_\_\_\_\_

Time Description of Activities

4:30 Leave office  
 8:30 Arrive onsite  
 8:30 Walked site w/ Env. Health  
 9:00 UST removal Activities  
 Collected (2) Soil samples 2 feet  
 below each end at 1.5 feet BGS  
 Contents  
 ~ 300 gallon each  
 ~ 50 gallon Drum of Sludge Solids

Total ~ 250 cy in Stockpile (estimated)

10:45 Left site  
 1500 Dropped samples at lab  
 1530 Finish

750 waste oil  
 18' T2W-  
 4' TBE-  
 4 x 12'

Buddy

Additional Comments:

# DAILY FIELD REPORT

PAGE 1 OF 1

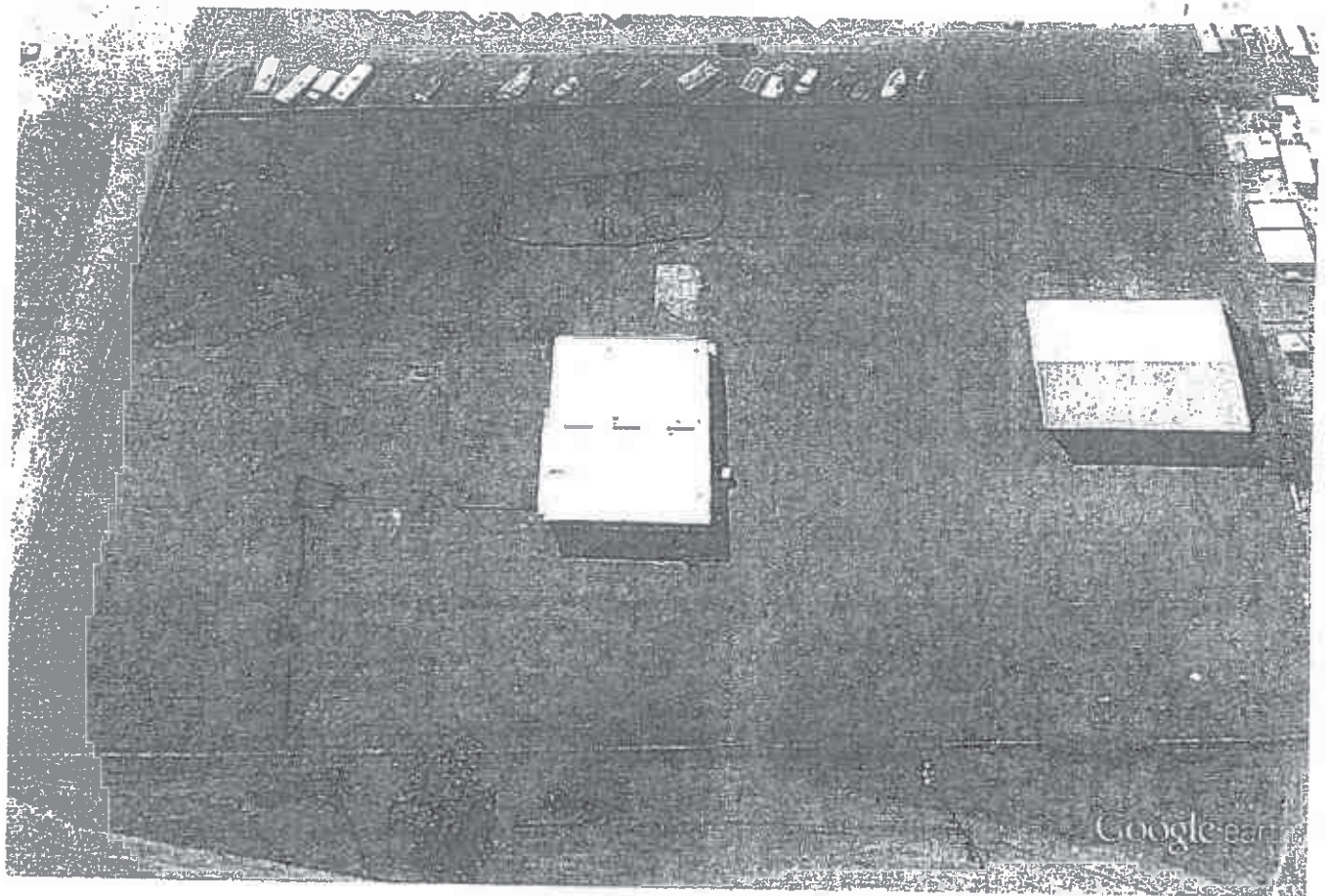
Project Number: UC-148 Date: 12/9/15  
 Site Name: Tet Trucking (Former) Field Personnel: SF  
 Site Address: 28181 Redwood Hwy. Proj. Manager: SF  
Clarendale, CA 95925  
 Scope of work: U.S.T. Removal OS/Sampling  
 Drum Inventory Soil: \_\_\_\_\_ Water: \_\_\_\_\_ Free product: \_\_\_\_\_

Time Description of Activities

5:00 Leave office  
 9:00 Arrive onsite  
 9:15 Site walk/photos  
 10:30 Inspected UST + Removed UST  
 10:45 collected Samples Below UST  
 over Excavated contaminated Soil  
 and collected additional Samples  
 12:30 Collected STEEP Samples  
 1:30 collected over EX Samples  
 1:35 left site to office  
 5:30 a.m.  
 • No UST Piping attached to USTs per Bearcam.  
 • Greg Noted G.W. ~ 18 FT BGS  
 during New UST install excavation  
 Address Per Sunuma Co. is:  
 S. Clarendale Blvd.  
 @ Bearcam called - More USTs were Found  
 and total Excavated Dirty Dirt is  
 now ~ 250 yds.

Additional Comments:





Google earth

feet 200  
meters 60

TIS-8'  
+ TIS-12'

750 gallon  
w/o UST

TIN-8'  
+ TIN-12'

12/8/15 (per Beacum)

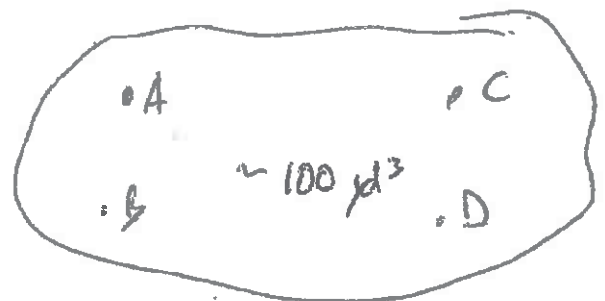
Contents:

• 750 gallon of waste oil

12/9/15 (Noted onsite)

(1) 55-gallon Drums of waste oil

(2) 55-gal. Drums of w/o Sludge



12/9/15

~30 gallon water in Tank prior to pull  
by Drummed.

Contaminated Soil

• STK8 gen.  
to 250 yd³  
After I left  
After finding  
More USTs



## Chain of Custody

**ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT**





5600 West End Road • Arcata • CA 95521-9202  
707-822-4649 Fax 707-822-5831

## Chain of Custody

7 of 7

P. \_\_\_\_\_ of \_\_\_\_\_

LABORATORY NUMBER: 7512277

TAT: ☒ STD (2-3 Wk) ☐ Other:  
PRIOR AUTHORIZATION IS REQUIRED FOR  
RUSH SAMPLES.

### REPORTING REQUIREMENTS:

- ☐ State Forms  
☐ Geotracker ☐ SWAMP ☐ Other EDD:  
☒ Final Report PDF ☐ FAX By:

CONTAINER CODES: 1- $\frac{1}{2}$  gal. pl; 2-250 ml pl;  
3-500 ml pl; 4-1 L Nalgene; 5-250 ml BG;  
6-500 ml BG; 7-1 L BG; 8-40 ml VOA;  
9-60 ml VOA; 10-25 ml VOA; 11-4 oz glass jar;  
12-8 oz glass jar; 13-brass tube; 14-other  
PRESERVATIVE CODES: a-HNO<sub>3</sub>; b-HCl; c-H<sub>2</sub>SO<sub>4</sub>;  
d-Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>; e-NaOH; f-C<sub>6</sub>H<sub>5</sub>OCl; g-other

[illegible]

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
<i>Subh</i>	12/4/15 3pm	<i>Ashley Dual</i>	12-14-15 12:01

\*MATRIX: DW=Drinking Water, Etk, EFG

SPECIAL INSTRUCTIONS	SAMPLE CONDITION
----------------------	------------------

SAMPLE CONDITION	
Temperature	100 °C

most way -	Received On Ice / UN
------------	----------------------

1-15 2190	Preserved?	Y/N
-----------	------------	-----

Preserved @ NCL?
------------------

	Y/N/NA
--	--------

## SAMPLE DISPOSAL

- ☐
- NCL Disposal of Non-Contaminated
- 
- ☐
- Return
- ☐
- Pickup

CHAIN OF CUSTODY SEALS Y/N/NA  
SHIPPED VIA: UPS Fed-Ex Hand

\*MATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; WW= Waste Water; S=Soil; O=Other.

**ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT**



**From:** [Darcy Bering](#)  
**To:** ["MacLeod, Carryl G"; "Sobelman, Donald"](#)  
**Cc:** ["Brian Silva - CRA \(Brian.Silva@ghd.com\)"; "Brian Momsen"; Lin, Patricia E \(PatriciaLin\); "Robert Schultz"; Snyder, Susan M; Balster, Michael](#)  
**Subject:** RE: 28181 Old Redwood Highway, Cloverdale -- request for extension of time for submittal of workplan  
**Date:** Wednesday, August 30, 2017 12:04:08 PM  
**Attachments:** [image002.png](#)

---

Hi Carryl,  
The new due date is November 8, 2017.  
Thanks,  
Darcy

Darcy M. Bering  
Senior Environmental Health Specialist  
Sonoma County  
Local Oversight Program  
625 5<sup>th</sup> Street  
Santa Rosa, CA 95404  
Phone: 707-565-6571  
Fax: 707-565-6525

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**From:** MacLeod, Carryl G [mailto:CMacleod@chevron.com]  
**Sent:** Wednesday, August 30, 2017 11:44 AM  
**To:** Darcy Bering <Darcy.Bering@sonoma-county.org>; 'Sobelman, Donald' <dsobelman@downeybrand.com>  
**Cc:** 'Brian Silva - CRA (Brian.Silva@ghd.com)' <Brian.Silva@ghd.com>; 'Brian Momsen' <bmomsen@pacific.net>; Lin, Patricia E (PatriciaLin) <PatriciaLin@chevron.com>; 'Robert Schultz' <rschultz@geoblueconsulting.com>; Snyder, Susan M <Susan.Snyder@chevron.com>; Balster, Michael <Michael.Balster@chevron.com>  
**Subject:** RE: 28181 Old Redwood Highway, Cloverdale -- request for extension of time for submittal of workplan

Darcy,

Per my voicemail, Chevron Environmental Management Company (CEMC) respectfully requests an extension to the September 8<sup>th</sup>, 2017 due date of the work plan. CEMC and MLRX2, LLC are continuing to discuss and coordinate efforts to produce the work plan and are working towards an agreement. Additional time is necessary for all parties to provide input to an agreed upon scope of work and finalize the necessary legal agreement to be able to move forward.

Please let me know if you have any questions.

Regards,

**Carryl MacLeod**  
Project Manager  
[cmacleod@chevron.com](mailto:cmacleod@chevron.com)

**Chevron Environmental Management Company**  
Marketing Business Unit  
6001 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel +1 925 842 3201  
Mobile +1 925 548 6572

***ALWAYS Do Every Task... The Right Way... Every Time!***

**From:** MacLeod, Carryl G  
**Sent:** Thursday, June 22, 2017 9:32 AM  
**To:** Darcy Bering <[Darcy.Bering@sonoma-county.org](mailto:Darcy.Bering@sonoma-county.org)>; 'Sobelman, Donald' <[dsobelman@downeybrand.com](mailto:dsobelman@downeybrand.com)>  
**Cc:** Brian Silva - CRA ([Brian.Silva@ghd.com](mailto:Brian.Silva@ghd.com)) <[Brian.Silva@ghd.com](mailto:Brian.Silva@ghd.com)>; 'Brian Momsen' <[bmomsen@pacific.net](mailto:bmomsen@pacific.net)>; Lin, Patricia E (PatriciaLin) <[PatriciaLin@chevron.com](mailto:PatriciaLin@chevron.com)>; 'Robert Schultz' <[rschultz@geoblueconsulting.com](mailto:rschultz@geoblueconsulting.com)>; Snyder, Susan M <[Susan.Snyder@chevron.com](mailto:Susan.Snyder@chevron.com)>  
**Subject:** RE: 28181 Old Redwood Highway, Cloverdale -- request for extension of time for submittal of workplan

Thank you Darcy for the extension. As Mr. Sobelman explained, Chevron and MLRX2, LLC are working to develop an agreement that will allow the work to proceed.

**Carryl MacLeod**  
Project Manager  
[cmacleod@chevron.com](mailto:cmacleod@chevron.com)

**Chevron Environmental Management Company**  
Marketing Business Unit  
6001 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel +1 925 842 3201  
Mobile +1 925 548 6572

***ALWAYS Do Every Task... The Right Way... Every Time!***

**From:** Darcy Bering [<mailto:Darcy.Bering@sonoma-county.org>]  
**Sent:** Tuesday, June 20, 2017 7:58 AM  
**To:** 'Sobelman, Donald' <[dsobelman@downeybrand.com](mailto:dsobelman@downeybrand.com)>  
**Cc:** Brian Silva - CRA ([Brian.Silva@ghd.com](mailto:Brian.Silva@ghd.com)) <[Brian.Silva@ghd.com](mailto:Brian.Silva@ghd.com)>; 'Brian Momsen' <[bmomsen@pacific.net](mailto:bmomsen@pacific.net)>; MacLeod, Carryl G <[CMacleod@chevron.com](mailto:CMacleod@chevron.com)>; Lin, Patricia E (PatriciaLin) <[PatriciaLin@chevron.com](mailto:PatriciaLin@chevron.com)>; 'Robert Schultz' <[rschultz@geoblueconsulting.com](mailto:rschultz@geoblueconsulting.com)>; Snyder, Susan M <[Susan.Snyder@chevron.com](mailto:Susan.Snyder@chevron.com)>  
**Subject:** [**\*\*EXTERNAL\*\***] RE: 28181 Old Redwood Highway, Cloverdale -- request for extension of time for submittal of workplan

Hi Don,  
The new due date for the submittal of a Preliminary Site Assessment workplan for the referenced site is 9/8/17.  
Thanks,  
Darcy

Darcy M. Bering  
Senior Environmental Health Specialist  
Sonoma County  
Local Oversight Program  
625 5<sup>th</sup> Street  
Santa Rosa, CA 95404  
Phone: 707-565-6571  
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**From:** Sobelman, Donald [<mailto:dsobelman@downeybrand.com>]  
**Sent:** Monday, June 19, 2017 12:38 PM

**To:** Darcy Bering

**Cc:** Brian Silva - CRA ([Brian.Silva@ghd.com](mailto:Brian.Silva@ghd.com)); 'Brian Momsen'; 'MacLeod, Carryl G'; 'Lin, Patricia E (PatriciaLin)'; 'Robert Schultz'; Snyder, Susan M

**Subject:** 28181 Old Redwood Highway, Cloverdale -- request for extension of time for submittal of workplan

Darcy:

I am writing on behalf of MLRX2, LLC to request an extension of time for submittal of the Preliminary Site Assessment workplan requested by the County. MLRX2 has recently retained Robert Schultz of Geo Blue Consulting to coordinate with Chevron's consultant concerning development of the workplan, and counsel for MLRX2 and Chevron will need additional time to finalize a plan for coordination and cooperation. For these reasons, MLRX2 respectfully requests that the current July 7, 2017 deadline be extended at this time until September 8, 2017.

If you have any questions or require additional information, please let me know.

Regards,

Donald Sobelman

## **DOWNEY BRAND**

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## *Appendix F*

**Proposed Residential Development Property**

28195 Hwy 101

Cloverdale, CA 95425

Inquiry Number: 5066100.2s

October 02, 2017

# The EDR Radius Map™ Report with GeoCheck®



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

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

28195 HWY 101  
CLOVERDALE, CA 95425

#### COORDINATES

Latitude (North):	38.7783660 - 38° 46' 42.11"
Longitude (West):	123.0129560 - 123° 0' 46.64"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	498874.6
UTM Y (Meters):	4291974.5
Elevation:	344 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5609302 CLOVERDALE, CA
Version Date:	2012
Northeast Map:	5602416 ASTI, CA
Version Date:	2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140605
Source:	USDA



# MAPPED SITES SUMMARY

Target Property Address:  
28195 HWY 101  
CLOVERDALE, CA 95425

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">1</a>	BALD, JAMES THOMAS	28333 SANDHOLM ROAD	SLIC	Higher	1 ft.
<a href="#">2</a>	MILLENIUM MACHINING	28333 SANDHOLM DR BL	HAZNET	Higher	1 ft.
<a href="#">3</a>	HENRYS TRUCK PARTS &	28243 REDWOOD HWY SO	EDR Hist Auto	Higher	127, 0.024, NE
<a href="#">A4</a>	J.E.T. INC.	28181 S REDWOOD HWY	HIST UST	Higher	159, 0.030, NE
<a href="#">A5</a>	CLOVERDALE RENNER CA	28181 OLD REDWOOD HI	LUST, HIST UST, CUPA Listings, NPDES	Higher	256, 0.048, NE
<a href="#">A6</a>	UNOCAL, JET TRUCKING	28181 REDWOOD OLD	HIST CORTESE	Higher	256, 0.048, NE
<a href="#">A7</a>	J.E.T., INC.	28181 REDWOOD S	SWEEPS UST	Higher	256, 0.048, NE
<a href="#">A8</a>	UNOCAL, ET TRUCKING	REDWOOD HIGHWAY 2818	LUST	Higher	256, 0.048, NE
<a href="#">9</a>	(SPRINT-NEXTEL) CELL	27770 ASTI RD	CUPA Listings	Lower	373, 0.071, ENE
<a href="#">10</a>	BEAR REPUBLIC BREWIN	110 SANDHOLM LN	CUPA Listings, HAZNET, NPDES	Higher	473, 0.090, NNE
<a href="#">11</a>	ROUX BODY & PAINT	103 SANDHOLM LN	CUPA Listings	Higher	592, 0.112, NE
<a href="#">B12</a>	ANDERSON VALLEY EQUI	HIGHWAY 101 28313	LUST	Higher	646, 0.122, East
<a href="#">B13</a>	CLOVERDALE WOOD WAST	EAST OF HWY 101, KEL	ENVIROSTOR	Higher	693, 0.131, East
<a href="#">C14</a>	SCL VINEYARDS	29085 REDWOOD HWY	HIST UST	Higher	833, 0.158, NNE
<a href="#">C15</a>	MGM BRAKES	HIGHWAY 101 & SANTAN	ENVIROSTOR, SLIC, HIST Cal-Sites, DEED	Higher	877, 0.166, NNE
<a href="#">D16</a>	SHELL - GOLDEN GATE	1194 S CLOVERDALE BL	UST	Higher	1118, 0.212, North
<a href="#">D17</a>	CLOVERDALE SINCLAIR	1194 S CLOVERDALE BL	CUPA Listings	Higher	1118, 0.212, North
<a href="#">D18</a>	CLOVERDALE SINCLAIR	1194 S CLOVERDALE BL	UST	Higher	1179, 0.223, NNE
<a href="#">D19</a>	CLOVERDALE CHEVRON	1165 S CLOVERDALE BL	CUPA Listings	Higher	1188, 0.225, North
<a href="#">D20</a>	CLOVERDALE CHEVRON	1165 S CLOVERDALE BL	UST	Higher	1188, 0.225, North
<a href="#">21</a>	LOUISIANA PACIFIC CO	KELLY ROAD	HIST UST	Higher	1225, 0.232, South
<a href="#">D22</a>	ANDERSEN EXCAVATING	1175 LOVERDALE	HIST CORTESE	Higher	1237, 0.234, North
<a href="#">D23</a>	ANDERSEN EXCAVATING	1175 CLOVERDALE BLVD	LUST, SWEEPS UST	Higher	1243, 0.235, North
<a href="#">D24</a>	MGM BRAKES	HWY 101 & SANTANA RD	NPL, SEMS, RCRA-SQG, US ENG CONTROLS, ROD, PRP,...	Lower	1246, 0.236, NNE
<a href="#">25</a>	MARYS PIZZA SHACK #1	1143 S CLOVERDALE BL	CUPA Listings	Higher	1314, 0.249, NNW
<a href="#">E26</a>	MGM BRAKES ASSEMBLY	1184 CLOVERDALE BOUL	SLIC	Higher	1336, 0.253, North
<a href="#">E27</a>	MGM BRAKES	1184 SOUTH CLOVERDAL	CONSENT	Higher	1336, 0.253, North
<a href="#">28</a>	CLOVERDALE WOOD WAST	200 KELLY RD.	SWF/LF	Higher	1456, 0.276, ENE
<a href="#">29</a>	CDF - CLOVERDALE	28930 REDWOOD HWY	LUST	Higher	1960, 0.371, North
<a href="#">F30</a>	LOUISIANA PACIFIC KE	27821 DUTCHER CREEK	LUST, SLIC, HIST CORTESE	Higher	1968, 0.373, ESE
<a href="#">F31</a>	LP KELLY ROAD TRUCK	27821 DUTCHER CREEK	LUST, SWEEPS UST	Higher	1968, 0.373, ESE
<a href="#">32</a>	ASTI ROAD LANDFILL	ASTI RD. AND SANTANA	SWF/LF	Lower	2034, 0.385, NNE
<a href="#">33</a>	ANNE MACK JOHNSON HO	1116 SOUTH CLOVERDAL	Cortese, ENF	Higher	2222, 0.421, North
<a href="#">34</a>	REUSER, INC.	370 SANTANA	LUST, SLIC, AST, SWEEPS UST, CHMIRS, CUPA...	Lower	2520, 0.477, NNE
<a href="#">35</a>	MASONITE CORPORATION	1M SOUTH OF CLOVERDA	SEMS-ARCHIVE, RCRA-SQG	Lower	2587, 0.490, NNE

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

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

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

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

CORRACTS..... Corrective Action Report

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

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

#### ***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 INST CONTROL..... Sites with Institutional Controls

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

#### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

## EXECUTIVE SUMMARY

### ***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  
AST..... Aboveground Petroleum Storage Tank Facilities  
INDIAN UST..... Underground Storage Tanks on Indian Land

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

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Cleanup Program Properties

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

BROWNFIELDS..... Considered 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  
SCH..... School Property Evaluation Program  
CDL..... Clandestine Drug Labs  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
US CDL..... National Clandestine Laboratory Register

#### ***Local Lists of Registered Storage Tanks***

CA FID UST..... Facility Inventory Database

#### ***Local Land Records***

LIENS..... Environmental Liens Listing  
LIENS 2..... CERCLA Lien Information

#### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System

## EXECUTIVE SUMMARY

CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

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

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
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
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
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
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
ENF.....	Enforcement Action Listing
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



## EXECUTIVE SUMMARY

PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
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 Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

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

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

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

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 05/30/2017 has revealed that there is 1 NPL 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><i>MGM BRAKES</i></b>	<b><i>HWY 101 &amp; SANTANA RD</i></b>	<b><i>NNE 1/8 - 1/4 (0.236 mi.)</i></b>	<b><i>D24</i></b>	<b><i>47</i></b>

## EXECUTIVE SUMMARY

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

SEMS: 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 known 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.

A review of the SEMS list, as provided by EDR, and dated 02/07/2017 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MGM BRAKES</b>	<b>HWY 101 &amp; SANTANA RD</b>	<b>NNE 1/8 - 1/4 (0.236 mi.)</b>	<b>D24</b>	<b>47</b>

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

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 02/07/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MASONITE CORPORATION</b>	<b>1M SOUTH OF CLOVERDA</b>	<b>NNE 1/4 - 1/2 (0.490 mi.)</b>	<b>35</b>	<b>91</b>

### ***Federal RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-SQG 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>
<b>MGM BRAKES</b>	<b>HWY 101 &amp; SANTANA RD</b>	<b>NNE 1/8 - 1/4 (0.236 mi.)</b>	<b>D24</b>	<b>47</b>

## EXECUTIVE SUMMARY

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 02/13/2017 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MGM BRAKES</b>	<b>HWY 101 &amp; SANTANA RD</b>	<b>NNE 1/8 - 1/4 (0.236 mi.)</b>	<b>D24</b>	<b>47</b>

### ***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 07/31/2017 has revealed that there are 2 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>
CLOVERDALE WOOD WAST Facility Id: 49490010 Status: Refer: RWQCB	EAST OF HWY 101, KEL	E 1/8 - 1/4 (0.131 mi.)	B13	25
<b>MGM BRAKES</b> Facility Id: 49280004 Status: Certified O&M - Land Use Restrictions Only	<b>HIGHWAY 101 &amp; SANTAN</b>	<b>NNE 1/8 - 1/4 (0.166 mi.)</b>	<b>C15</b>	<b>26</b>

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLOVERDALE WOOD WAST Database: SWF/LF (SWIS), Date of Government Version: 08/14/2017 Facility ID: 49-AA-0244 Operational Status: Closed	200 KELLY RD.	ENE 1/4 - 1/2 (0.276 mi.)	28	65

## EXECUTIVE SUMMARY

Regulation Status: Unpermitted

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASTI ROAD LANDFILL Database: SWF/LF (SWIS), Date of Government Version: 08/14/2017 Facility ID: 49-CR-0041 Operational Status: Closed Regulation Status: Unpermitted	ASTI RD. AND SANTANA	NNE 1/4 - 1/2 (0.385 mi.)	32	75

### **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 8 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>
<b>CLOVERDALE RENNER CA</b> Database: SONOMA CO. LUST, Date of Government Version: 07/05/2017 Database: LUST, Date of Government Version: 06/12/2017 Status: Open - Site Assessment Status: Completed - Case Closed Global Id: T10000008643 Global Id: T0609700278 Global ID: T10000008643 Global ID: T0609700278	<b>28181 OLD REDWOOD HI</b>	<b>NE 0 - 1/8 (0.048 mi.)</b>	<b>A5</b>	<b>10</b>
UNOCAL, ET TRUCKING Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO383	REDWOOD HIGHWAY 2818	NE 0 - 1/8 (0.048 mi.)	A8	20
ANDERSON VALLEY EQUI Database: LUST REG 1, Date of Government Version: 02/01/2001 Facility Id: 1TSO404	HIGHWAY 101 28313	E 0 - 1/8 (0.122 mi.)	B12	24
<b>ANDERSEN EXCAVATING</b> Database: SONOMA CO. LUST, Date of Government Version: 07/05/2017 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed Global Id: T0609700214 Global ID: T0609700214	<b>1175 CLOVERDALE BLVD</b>	<b>N 1/8 - 1/4 (0.235 mi.)</b>	<b>D23</b>	<b>42</b>
CDF - CLOVERDALE Database: SONOMA CO. LUST, Date of Government Version: 07/05/2017 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed Global Id: T0609700496 Global ID: T0609700496	28930 REDWOOD HWY	N 1/4 - 1/2 (0.371 mi.)	29	66
<b>LOUISIANA PACIFIC KE</b> Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed	<b>27821 DUTCHER CREEK</b>	<b>ESE 1/4 - 1/2 (0.373 mi.)</b>	<b>F30</b>	<b>69</b>



## EXECUTIVE SUMMARY

Global Id: T0609700337

**LP KELLY ROAD TRUCK**      **27821 DUTCHER CREEK**      **ESE 1/4 - 1/2 (0.373 mi.)**      **F31**      **75**  
 Database: SONOMA CO. LUST, Date of Government Version: 07/05/2017  
 Global ID: T0609700337

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>REUSER, INC.</b> Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: SONOMA CO. LUST, Date of Government Version: 07/05/2017 Database: LUST, Date of Government Version: 06/12/2017 Status: Completed - Case Closed Facility Id: 1TSO237 Global Id: T0609700179 Global ID: T0609700179	<b>370 SANTANA</b>	<b>NNE 1/4 - 1/2 (0.477 mi.)</b>	<b>34</b>	<b>83</b>

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 5 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>BALD, JAMES THOMAS</b> Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: SLIC, Date of Government Version: 06/12/2017 Facility Status: Completed - Case Closed Facility Id: 1NSO368 Global Id: T0609793176	<b>28333 SANDHOLM ROAD</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>1</b>	<b>8</b>
<b>MGM BRAKES</b> Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: SLIC, Date of Government Version: 06/12/2017 Facility Status: Open - Verification Monitoring Facility Id: 1NSO310 Global Id: T0609793202	<b>HIGHWAY 101 &amp; SANTAN</b>	<b>NNE 1/8 - 1/4 (0.166 mi.)</b>	<b>C15</b>	<b>26</b>
<b>MGM BRAKES ASSEMBLY</b> Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: SLIC, Date of Government Version: 06/12/2017 Facility Status: Open - Remediation Facility Id: 1NSO597 Global Id: T0609793349	<b>1184 CLOVERDALE BOUL</b>	<b>N 1/4 - 1/2 (0.253 mi.)</b>	<b>E26</b>	<b>64</b>
<b>LOUISIANA PACIFIC KE</b> Database: SLIC, Date of Government Version: 06/12/2017 Facility Status: Completed - Case Closed Global Id: SL0609790365	<b>27821 DUTCHER CREEK</b>	<b>ESE 1/4 - 1/2 (0.373 mi.)</b>	<b>F30</b>	<b>69</b>

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>REUSER, INC.</b> Database: SLIC REG 1, Date of Government Version: 04/03/2003	<b>370 SANTANA</b>	<b>NNE 1/4 - 1/2 (0.477 mi.)</b>	<b>34</b>	<b>83</b>

## EXECUTIVE SUMMARY

Facility Id: 1NSO237

### **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 3 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>
SHELL - GOLDEN GATE Database: UST, Date of Government Version: 06/12/2017 Facility Id: 49-000-005632	1194 S CLOVERDALE BL	N 1/8 - 1/4 (0.212 mi.)	D16	38
CLOVERDALE SINCLAIR Database: UST, Date of Government Version: 06/12/2017 Facility Id: 49-000-005632	1194 S CLOVERDALE BL	NNE 1/8 - 1/4 (0.223 mi.)	D18	39
CLOVERDALE CHEVRON Database: UST, Date of Government Version: 06/12/2017 Facility Id: 49-000-005132 Facility Id: 5132	1165 S CLOVERDALE BL	N 1/8 - 1/4 (0.225 mi.)	D20	40

### **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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MGM BRAKES</b>	<b>HIGHWAY 101 &amp; SANTAN</b>	<b>NNE 1/8 - 1/4 (0.166 mi.)</b>	<b>C15</b>	<b>26</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

2 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>
J.E.T., INC. Status: A Tank Status: A Comp Number: 1220	28181 REDWOOD S	NE 0 - 1/8 (0.048 mi.)	A7	19
<b>ANDERSEN EXCAVATING</b> Status: A Tank Status: A Comp Number: 1023	<b>1175 CLOVERDALE BLVD</b>	<b>N 1/8 - 1/4 (0.235 mi.)</b>	<b>D23</b>	<b>42</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 4 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>
J.E.T. INC. Facility Id: 00000010147	28181 S REDWOOD HWY	NE 0 - 1/8 (0.030 mi.)	A4	9
<b>CLOVERDALE RENNER CA</b> SCL VINEYARDS Facility Id: 00000044838	<b>28181 OLD REDWOOD HI</b> 29085 REDWOOD HWY	<b>NE 0 - 1/8 (0.048 mi.)</b> NNE 1/8 - 1/4 (0.158 mi.)	<b>A5</b> C14	<b>10</b> 26
LOUISIANA PACIFIC CO Facility Id: 00000055001	KELLY ROAD	S 1/8 - 1/4 (0.232 mi.)	21	41

### Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 06/05/2017 has revealed that there is 1 DEED 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>MGM BRAKES</b> Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 49280004	<b>HIGHWAY 101 &amp; SANTAN</b>	<b>NNE 1/8 - 1/4 (0.166 mi.)</b>	<b>C15</b>	<b>26</b>

### Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MGM BRAKES</b>	<b>HWY 101 &amp; SANTANA RD</b>	<b>NNE 1/8 - 1/4 (0.236 mi.)</b>	<b>D24</b>	<b>47</b>

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2016 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MGM BRAKES	1184 SOUTH CLOVERDAL	N 1/4 - 1/2 (0.253 mi.)	E27	65

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 12/28/2016 has revealed that there is 1 Cortese 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>ANNE MACK JOHNSON HO</b>	<b>1116 SOUTH CLOVERDAL</b>	<b>N 1/4 - 1/2 (0.421 mi.)</b>	<b>33</b>	<b>76</b>

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 7 CUPA Listings 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>CLOVERDALE RENNER CA</b> Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Active	<b>28181 OLD REDWOOD HI</b>	<b>NE 0 - 1/8 (0.048 mi.)</b>	<b>A5</b>	<b>10</b>
<b>BEAR REPUBLIC BREWIN</b> Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Active	<b>110 SANDHOLM LN</b>	<b>NNE 0 - 1/8 (0.090 mi.)</b>	<b>10</b>	<b>21</b>
ROUX BODY & PAINT Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Active Permit: 5901	103 SANDHOLM LN	NE 0 - 1/8 (0.112 mi.)	11	24
CLOVERDALE SINCLAIR Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Active	1194 S CLOVERDALE BL	N 1/8 - 1/4 (0.212 mi.)	D17	39
CLOVERDALE CHEVRON Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Active	1165 S CLOVERDALE BL	N 1/8 - 1/4 (0.225 mi.)	D19	40
MARYS PIZZA SHACK #1 Database: CUPA SONOMA, Date of Government Version: 06/23/2017	1143 S CLOVERDALE BL	NNW 1/8 - 1/4 (0.249 mi.)	25	64



## EXECUTIVE SUMMARY

internal Field: Active

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
(SPRINT-NEXTEL) CELL Database: CUPA SONOMA, Date of Government Version: 06/23/2017 internal Field: Inactive Permit: 7660	27770 ASTI RD	ENE 0 - 1/8 (0.071 mi.)	9	20

HAZNET: 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 from non-California manifests & continuation sheets are not included at the present time. 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, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2015 has revealed that there is 1 HAZNET site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MILLENIUM MACHINING GEPAID: CAL000200678	28333 SANDHOLM DR BL	0 - 1/8 (0.000 mi.)	2	8

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 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>
UNOCAL, JET TRUCKING Reg Id: 1TSO383	28181 REDWOOD OLD	NE 0 - 1/8 (0.048 mi.)	A6	19
ANDERSEN EXCAVATING Reg Id: 1TSO287	1175 LOVERDALE	N 1/8 - 1/4 (0.234 mi.)	D22	41
<b>LOUISIANA PACIFIC KE</b> Reg Id: 1TSO474	<b>27821 DUTCHER CREEK</b>	<b>ESE 1/4 - 1/2 (0.373 mi.)</b>	<b>F30</b>	<b>69</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>REUSER, INC.</b> Reg Id: 1TSO237	<b>370 SANTANA</b>	<b>NNE 1/4 - 1/2 (0.477 mi.)</b>	<b>34</b>	<b>83</b>

## EXECUTIVE SUMMARY

### EDR HIGH RISK HISTORICAL RECORDS

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

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

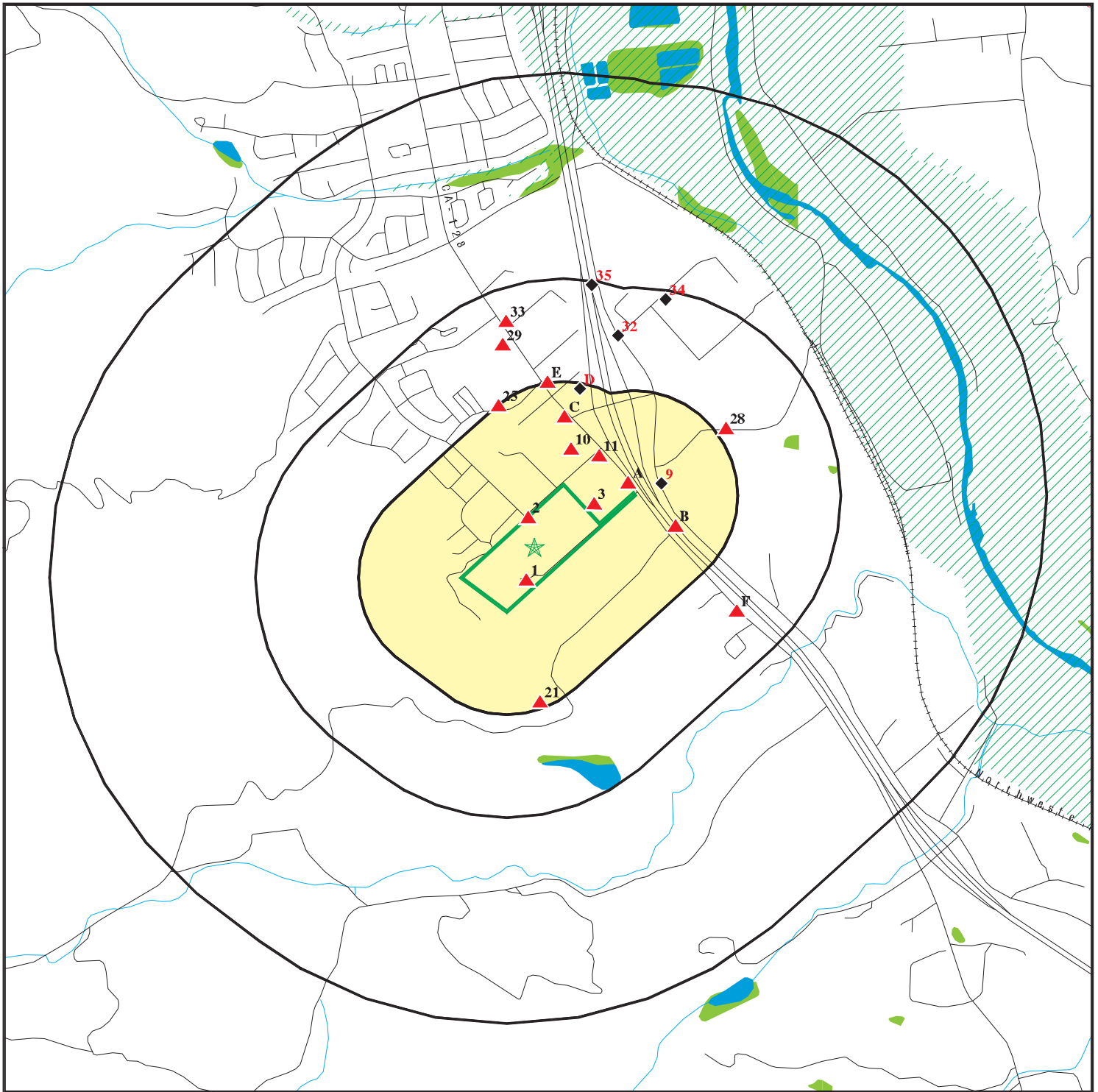
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HENRYS TRUCK PARTS &	28243 REDWOOD HWY SO	NE 0 - 1/8 (0.024 mi.)	3	9

## EXECUTIVE SUMMARY


Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.


<u>Site Name</u>	<u>Database(s)</u>
CITY OF CLOVERDALE ROW	LUST
LOUISIANA-PACIFIC / KELLY RD	LUST
MASONITE CORPORATION	CA BOND EXP. PLAN
CLOVERDALE WOOD WASTE LANDFILL #2	ENVIROSTOR
CLOVERDALE SAWMILL	ENVIROSTOR

# OVERVIEW MAP - 5066100.2S



 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: Proposed Residential Development Property  
ADDRESS: 28195 Hwy 101  
Cloverdale CA 95425  
LAT/LONG: 38.778366 / 123.012956

CLIENT: Krazan & Associates, Inc.  
CONTACT: Bill Vick  
INQUIRY #: 5066100.2s  
DATE: October 02, 2017 8:19 pm



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

CLIENT: Krazan & Associates, Inc.  
CONTACT: Bill Vick  
INQUIRY #: 5066100.2s  
DATE: October 02, 2017 8:19 pm

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	1	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	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	1	0	NR	NR	1
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<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		0	1	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	1	0	NR	NR	1
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	1.000		0	2	0	0	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	2	NR	NR	2
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		3	1	4	NR	NR	8

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		1	1	3	NR	NR	5
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	3	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
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	0	0	NR	NR	0
<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	0.001		0	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	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	1	0	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		1	1	NR	NR	NR	2
HIST UST	0.250		2	2	NR	NR	NR	4
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	1	0	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	1	0	0	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	1	0	NR	1
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	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		0	0	1	NR	NR	1
CUPA Listings	0.250		4	3	NR	NR	NR	7
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		1	NR	NR	NR	NR	1



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	1	2	NR	NR	4
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	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	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

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

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	14	21	14	0	0	49
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#### 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

1  
BALD, JAMES THOMAS  
28333 SANDHOLM ROAD  
CLOVERDALE, CA 95425  
< 1/8  
1 ft.

SLIC S105051264  
N/A

Relative:  
Higher

Actual:  
363 ft.

SLIC:

Region: STATE  
Facility Status: Completed - Case Closed  
Status Date: 04/24/2012  
Global Id: T0609793176  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.777361  
Longitude: -123.013846  
Case Type: Cleanup Program Site  
Case Worker: ZZZ  
Local Agency: SONOMA COUNTY  
RB Case Number: 1NSO368  
File Location: Regional Board  
Potential Media Affected: Under Investigation  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 1:

Region: 1  
Facility ID: 1NSO368  
Staff Initials: BML

2  
MILLENNIUM MACHINING  
28333 SANDHOLM DR BLDG C  
CLOVERDALE, CA 95425  
< 1/8  
1 ft.

HAZNET S113103136  
N/A

Relative:  
Higher

Actual:  
350 ft.

HAZNET:

envid: S113103136  
Year: 2000  
GEPAID: CAL000200678  
Contact: MIKE CAMPBELL-PRES  
Telephone: 7078949373  
Mailing Name: Not reported  
Mailing Address: PO BOX 825  
Mailing City,St,Zip: CLOVERDALE, CA 954250000  
Gen County: Not reported  
TSD EPA ID: CAT080012602  
TSD County: Not reported  
Waste Category: Waste oil and mixed oil  
Disposal Method: Transfer Station  
Tons: 1.04  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma  
  
envid: S113103136  
Year: 2000  
GEPAID: CAL000200678  
Contact: MIKE CAMPBELL-PRES  
Telephone: 7078949373

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MILLENIUM MACHINING (Continued)**

**S113103136**

Mailing Name: Not reported  
Mailing Address: PO BOX 825  
Mailing City,St,Zip: CLOVERDALE, CA 954250000  
Gen County: Not reported  
TSD EPA ID: CAL000161743  
TSD County: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Transfer Station  
Tons: 1.12  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Sonoma

**3**  
**NE**  
**< 1/8**  
**0.024 mi.**  
**127 ft.**

**HENRYS TRUCK PARTS & SERVICE**  
**28243 REDWOOD HWY SO**  
**CLOVERDALE, CA 95425**

**EDR Hist Auto** **1020931790**  
**N/A**

**Relative:**  
**Higher**

EDR Hist Auto

**Actual:**  
**347 ft.**

Year:	Name:	Type:
1971	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1972	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1973	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1974	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1975	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1976	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1977	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1978	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1979	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops
1980	HENRYS TRUCK PARTS & SERVICE	General Automotive Repair Shops

**A4**  
**NE**  
**< 1/8**  
**0.030 mi.**  
**159 ft.**

**J.E.T. INC.**  
**28181 S REDWOOD HWY**  
**CLOVERDALE, CA 95425**

**HIST UST** **U001609725**  
**N/A**

**Site 1 of 5 in cluster A**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**348 ft.**

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000010147
Facility Type:	Other
Other Type:	Not reported
Contact Name:	MICHAEL O'BRYAN
Telephone:	7078943304
Owner Name:	JOHNNIE EDGAR TRUCKING, INC. D
Owner Address:	28181 REDWOOD HIGHWAY SOUTH
Owner City,St,Zip:	CLOVERDALE, CA 95425
Total Tanks:	0003
Tank Num:	001
Container Num:	3
Year Installed:	1980

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J.E.T. INC. (Continued)**

**U001609725**

Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: None

Tank Num: 002  
Container Num: 2  
Year Installed: 1980  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 1  
Year Installed: 1980  
Tank Capacity: 00008000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Stock Inventor

**A5  
NE  
< 1/8  
0.048 mi.  
256 ft.**

**CLOVERDALE RENNER CARDLOCK  
28181 OLD REDWOOD HIGHWAY  
CLOVERDALE, CA 95425**

**Site 2 of 5 in cluster A**

**Relative:  
Higher**

**LUST:**

**Actual:  
346 ft.**

Region: STATE  
Global Id: T10000008643  
Latitude: 38.78044  
Longitude: -123.00903  
Case Type: LUST Cleanup Site  
Status: Open - Site Assessment  
Status Date: 03/15/2016  
Lead Agency: SONOMA COUNTY LOP  
Case Worker: DB  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: Not reported  
LOC Case Number: 00027854  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Site entered into the LOP on 3/15/16. One 750 gallon waste oil tank was removed on 12/9/16 and one 1,100 diesel tank was removed on 12/14/16. Holes noted in tanks and soil contamination was reported.

**LUST  
HIST UST  
CUPA Listings  
NPDES**

**S104405079  
N/A**

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

**Contact:**

Global Id: T10000008643  
Contact Type: Local Agency Caseworker  
Contact Name: DARCY BERING  
Organization Name: SONOMA COUNTY LOP  
Address: 625 FIFTH STREET



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

City: SANTA ROSA  
Email: darcy.bering@sonoma-county.org  
Phone Number: Not reported

**Status History:**

Global Id: T10000008643  
Status: Open - Case Begin Date  
Status Date: 12/09/2015

Global Id: T10000008643  
Status: Open - Site Assessment  
Status Date: 03/15/2016

**Regulatory Activities:**

Global Id: T10000008643  
Action Type: RESPONSE  
Date: 02/28/2017  
Action: Other Report / Document

Global Id: T10000008643  
Action Type: ENFORCEMENT  
Date: 03/15/2016  
Action: Staff Letter

Global Id: T10000008643  
Action Type: ENFORCEMENT  
Date: 03/29/2016  
Action: Staff Letter

Global Id: T10000008643  
Action Type: ENFORCEMENT  
Date: 03/29/2016  
Action: Notice of Responsibility

Global Id: T10000008643  
Action Type: Other  
Date: 01/29/2016  
Action: Leak Reported

Global Id: T10000008643  
Action Type: RESPONSE  
Date: 07/07/2017  
Action: Preliminary Site Assessment Workplan

Global Id: T10000008643  
Action Type: ENFORCEMENT  
Date: 03/23/2016  
Action: Notice of Responsibility

Global Id: T10000008643  
Action Type: ENFORCEMENT  
Date: 03/01/2017  
Action: Email Correspondence

Global Id: T10000008643  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

Date:	03/23/2017
Action:	Petition of Agency Action or Inaction
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/28/2017
Action:	Email Correspondence
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/15/2016
Action:	Notice of Responsibility
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/15/2016
Action:	Staff Letter
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	11/18/2016
Action:	Staff Letter
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	09/01/2016
Action:	Staff Letter
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/23/2016
Action:	Staff Letter
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/15/2016
Action:	Notice of Responsibility
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	03/15/2016
Action:	Notification - Public Participation Document
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	02/28/2017
Action:	Email Correspondence
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	02/21/2017
Action:	Notice of Responsibility
Global Id:	T10000008643
Action Type:	ENFORCEMENT
Date:	02/21/2017
Action:	Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

Global Id: T10000008643  
Action Type: Other  
Date: 12/09/2015  
Action: Leak Began

Global Id: T10000008643  
Action Type: Other  
Date: 12/09/2015  
Action: Leak Discovery

Global Id: T10000008643  
Action Type: Other  
Date: 12/09/2015  
Action: Leak Stopped

Region: STATE  
Global Id: T0609700278  
Latitude: 38.7804445616265  
Longitude: -123.009598302069  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 11/07/1995  
Lead Agency: SONOMA COUNTY LOP  
Case Worker: LCW  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1TSO383  
LOC Case Number: 00001220  
File Location: All Files are on GeoTracker or in the Local Agency Database  
Potential Media Affect: Other Groundwater (uses other than drinking water)  
Potential Contaminants of Concern: Gasoline, Diesel, Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:  
Global Id: T0609700278  
Contact Type: Local Agency Caseworker  
Contact Name: LOP CLOSED IN RB01  
Organization Name: SONOMA COUNTY LOP  
Address: 625 FIFTH STREET  
City: SANTA ROSA  
Email: Not reported  
Phone Number: Not reported

Global Id: T0609700278  
Contact Type: Regional Board Caseworker  
Contact Name: SONOMA COUNTY LOP CLOSED SITE  
Organization Name: NORTH COAST RWQCB (REGION 1)  
Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075656565

Status History:  
Global Id: T0609700278  
Status: Completed - Case Closed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

Status Date: 11/07/1995

Global Id: T0609700278  
Status: Open - Case Begin Date  
Status Date: 07/13/1990

Global Id: T0609700278  
Status: Open - Remediation  
Status Date: 01/03/1965

Global Id: T0609700278  
Status: Open - Site Assessment  
Status Date: 10/29/1990

**Regulatory Activities:**

Global Id: T0609700278  
Action Type: Other  
Date: 01/02/1965  
Action: Leak Reported

Global Id: T0609700278  
Action Type: REMEDIATION  
Date: 07/13/1990  
Action: Excavation

Global Id: T0609700278  
Action Type: Other  
Date: 07/13/1990  
Action: Leak Discovery

**SONOMA CO. LUST:**

Region: SONOMA  
Regional Board: 1TSO939  
Closed or Referred: Not reported  
Confirm Date: Not reported  
LOP Number: 00027854  
Staff: DB  
Decode of Staff: Darcy Bering  
Global ID: T10000008643

Region: SONOMA  
Regional Board: 1TSO383  
Closed or Referred: Y  
Confirm Date: 11/07/1995  
LOP Number: 00001220  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700278

**HIST UST:**

File Number: 00021A59  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021A59.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

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

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:](#)

**CUPA SONOMA:**

Facility ID: 49-000-008294  
Permit: Not reported  
Type: APSA  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Tier 3 Facility (> 1320 gallons, > 10000 gallons)  
CERS ID: 10649509  
Expiration Date: 01/08/2019

Facility ID: 49-000-008294  
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 - 6 tanks  
CERS ID: 10649509  
Expiration Date: 11/25/2019

Facility ID: 49-000-008294  
Permit: Not reported  
Type: HMBP  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Range 3  
CERS ID: 10649509



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

Expiration Date: 01/08/2019  
  
Facility ID: 49-000-008294  
Permit: Not reported  
Type: Hazardous Waste  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: SQG < 325 gallons/year  
CERS ID: 10649509  
Expiration Date: 11/19/2016

**NPDES:**

Npdes Number: CAS000002  
Facility Status: Active  
Agency Id: 0  
Region: 1  
Regulatory Measure Id: 453808  
Order No: 2009-0009-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 1 49C372692  
Program Type: Construction  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 04/17/2015  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: MLRX2 LLC  
Discharge Address: PO Box 4868  
Discharge City: Eureka  
Discharge State: California  
Discharge Zip: 95502  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

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:	453808
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	1 49C372692
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	4/8/2015
PROCESSED DATE:	4/17/2015
STATUS CODE NAME:	Active

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE RENNER CARDLOCK (Continued)**

**S104405079**

STATUS DATE: 10/13/2016  
PLACE SIZE: 3.3  
PLACE SIZE UNIT: Acres  
FACILITY CONTACT NAME: Michael Renner  
FACILITY CONTACT TITLE: President  
FACILITY CONTACT PHONE: 707-443-1645  
FACILITY CONTACT PHONE EXT: Not reported  
FACILITY CONTACT EMAIL: mrenner@rennerpetroleum.com  
OPERATOR NAME: MLRX2 LLC  
OPERATOR ADDRESS: PO Box 4868  
OPERATOR CITY: Eureka  
OPERATOR STATE: California  
OPERATOR ZIP: 95502  
OPERATOR CONTACT NAME: Michael Renner  
OPERATOR CONTACT TITLE: President  
OPERATOR CONTACT PHONE: 707-443-1645  
OPERATOR CONTACT PHONE EXT: Not reported  
OPERATOR CONTACT EMAIL: mrenner@rennerpetroleum.com  
OPERATOR TYPE: Private Business  
DEVELOPER NAME: MLRX2 LLC  
DEVELOPER ADDRESS: PO Box 4868  
DEVELOPER CITY: Eureka  
DEVELOPER STATE: California  
DEVELOPER ZIP: 95502  
DEVELOPER CONTACT NAME: Michael Renner  
DEVELOPER CONTACT TITLE: President  
CONSTYPE LINEAR UTILITY IND: N  
EMERGENCY PHONE NO: Not reported  
EMERGENCY PHONE EXT: Not reported  
CONSTYPE ABOVE GROUND IND: N  
CONSTYPE BELOW GROUND IND: N  
CONSTYPE CABLE LINE IND: N  
CONSTYPE COMM LINE IND: N  
CONSTYPE COMMERTIAL IND: Y  
CONSTYPE ELECTRICAL LINE IND: N  
CONSTYPE GAS LINE IND: N  
CONSTYPE INDUSTRIAL IND: N  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: N  
CONSTYPE RECONS IND: N  
CONSTYPE RESIDENTIAL IND: N  
CONSTYPE TRANSPORT IND: N  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: N  
CONSTYPE WATER SEWER IND: N  
DIR DISCHARGE USWATER IND: N  
RECEIVING WATER NAME: Russian River  
CERTIFIER NAME: Debbie Fontaine  
CERTIFIER TITLE: Executive Assistant  
CERTIFICATION DATE: 08-APR-15  
PRIMARY SIC: Not reported  
SECONDARY SIC: Not reported  
TERTIARY SIC: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A6  
NE  
< 1/8  
0.048 mi.  
256 ft.

UNOCAL, JET TRUCKING  
28181 REDWOOD OLD  
CLOVERDALE, CA

Site 3 of 5 in cluster A

HIST CORTESE

S105023332  
N/A

Relative:  
Higher

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSO383

Actual:  
346 ft.

A7  
NE  
< 1/8  
0.048 mi.  
256 ft.

J.E.T., INC.  
28181 REDWOOD S  
CLOVERDALE, CA 95425

Site 4 of 5 in cluster A

SWEEPS UST

S106927622  
N/A

Relative:  
Higher

SWEEPS UST:

Status: Active  
Comp Number: 1220  
Number: 9  
Board Of Equalization: 44-027767  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001220-000001  
Tank Status: A  
Capacity: 1000  
Active Date: 10-02-89  
Tank Use: M.V. FUEL  
STG: P  
Content: REG UNLEADED  
Number Of Tanks: 4

Actual:  
346 ft.

Status: Active  
Comp Number: 1220  
Number: 9  
Board Of Equalization: 44-027767  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001220-000002  
Tank Status: A  
Capacity: 8000  
Active Date: 10-02-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 1220  
Number: 9  
Board Of Equalization: 44-027767  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**J.E.T., INC. (Continued)**

**S106927622**

Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001220-000003  
Tank Status: A  
Capacity: 8000  
Active Date: 10-02-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 1220  
Number: 9  
Board Of Equalization: 44-027767  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001220-000004  
Tank Status: A  
Capacity: 1  
Active Date: 10-02-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

**A8  
NE  
< 1/8  
0.048 mi.  
256 ft.**

**UNOCAL, ET TRUCKING  
REDWOOD HIGHWAY 28181  
CLOVERDALE, CA**

**LUST S101309750  
N/A**

**Site 5 of 5 in cluster A**

**Relative:  
Higher**

LUST REG 1:  
Region: 1  
Facility ID: 1TSO383  
Staff Initials: Closed

**Actual:  
346 ft.**

**9  
ENE  
< 1/8  
0.071 mi.  
373 ft.**

**(SPRINT-NEXTEL) CELL SITE CA0795  
27770 ASTI RD  
CLOVERDALE, CA 95425**

**CUPA Listings S112444977  
N/A**

**Relative:  
Lower**

CUPA SONOMA:  
Facility ID: 49-000-007660  
Permit: 7660  
Type: HMBP  
HMBP: True  
UST: False  
HWG: False  
calarp: False  
AST: False  
HW Treatment: False  
Fee Schedule: Not reported  
CERS ID: Not reported

**Actual:  
343 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(SPRINT-NEXTEL) CELL SITE CA0795 (Continued)

S112444977

Expiration Date: 08/05/2018

10  
NNE  
< 1/8  
0.090 mi.  
473 ft.

BEAR REPUBLIC BREWING CO  
110 SANDHOLM LN  
CLOVERDALE, CA 95425

CUPA Listings  
HAZNET  
NPDES

S113407720  
N/A

Relative:  
Higher

CUPA SONOMA:

Facility ID: 49-000-008118  
Permit: Not reported  
Type: HMBP  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Range 5  
CERS ID: 10399735  
Expiration Date: 06/13/2020

Actual:  
346 ft.

HAZNET:

envid: S113407720  
Year: 2013  
GEPAID: CAL000389180  
Contact: NICK PETTY  
Telephone: 7078942722  
Mailing Name: Not reported  
Mailing Address: 110 SANDHOLM LN  
Mailing City,St,Zip: CLOVERDALE, CA 95425  
Gen County: Sonoma  
TSD EPA ID: CAD059494310  
TSD County: Santa Clara  
Waste Category: Not reported  
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery  
(H010-H129) Or (H131-H135)  
Tons: 0.1  
Cat Decode: Not reported  
Method Decode: Not reported  
Facility County: Not reported

NPDES:

Npdes Number: Not reported  
Facility Status: Not reported  
Agency Id: Not reported  
Region: 1  
Regulatory Measure Id: 439915  
Order No: Not reported  
Regulatory Measure Type: Industrial  
Place Id: Not reported  
WDID: 1 49I024372  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEAR REPUBLIC BREWING CO (Continued)**

**S113407720**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	7/24/2013
PROCESSED DATE:	7/24/2013
STATUS CODE NAME:	Active
STATUS DATE:	7/24/2013
PLACE SIZE:	1.9
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tami Norgrove
FACILITY CONTACT TITLE:	CFO
FACILITY CONTACT PHONE:	707-894-2722
FACILITY CONTACT PHONE EXT:	240
FACILITY CONTACT EMAIL:	tami@bearrepublic.com
OPERATOR NAME:	Bear Republic Brewing Company
OPERATOR ADDRESS:	110 Sandholm Lane
OPERATOR CITY:	Cloverdale
OPERATOR STATE:	California
OPERATOR ZIP:	95425
OPERATOR CONTACT NAME:	Tami Norgrove
OPERATOR CONTACT TITLE:	CFO
OPERATOR CONTACT PHONE:	707-894-2722
OPERATOR CONTACT PHONE EXT:	240
OPERATOR CONTACT EMAIL:	tami@bearrepublic.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Russian River
CERTIFIER NAME:	Tami Norgrove
CERTIFIER TITLE:	Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEAR REPUBLIC BREWING CO (Continued)**

**S113407720**

CERTIFICATION DATE:	31-MAR-15
PRIMARY SIC:	2082-Malt Beverages
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	1
Regulatory Measure Id:	439915
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	1 49I024372
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/24/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bear Republic Brewing Company
Discharge Address:	110 Sandholm Lane
Discharge City:	Cloverdale
Discharge State:	California
Discharge Zip:	95425
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEAR REPUBLIC BREWING CO (Continued)**

**S113407720**

CONSTYPE BELOW GROUND IND: Not reported  
CONSTYPE CABLE LINE IND: Not reported  
CONSTYPE COMM LINE IND: Not reported  
CONSTYPE COMMERTIAL IND: Not reported  
CONSTYPE ELECTRICAL LINE IND: Not reported  
CONSTYPE GAS LINE IND: Not reported  
CONSTYPE INDUSTRIAL IND: Not reported  
CONSTYPE OTHER DESCRIPTION: Not reported  
CONSTYPE OTHER IND: Not reported  
CONSTYPE RECONS IND: Not reported  
CONSTYPE RESIDENTIAL IND: Not reported  
CONSTYPE TRANSPORT IND: Not reported  
CONSTYPE UTILITY DESCRIPTION: Not reported  
CONSTYPE UTILITY IND: Not reported  
CONSTYPE WATER SEWER IND: Not reported  
DIR DISCHARGE USWATER IND: 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

**11  
NE  
< 1/8  
0.112 mi.  
592 ft.**

**ROUX BODY & PAINT  
103 SANDHOLM LN  
CLOVERDALE, CA 95425**

**CUPA Listings S112444766  
N/A**

**Relative:  
Higher**

CUPA SONOMA:  
Facility ID: 49-000-005901  
Permit: 5901  
Type: Hazardous Waste  
HMBP: True  
UST: False  
HWG: True  
calarp: False  
AST: False  
HW Treatment: False  
Fee Schedule: SQG Recyclable - < 5 gallons/month (non-exempt)  
CERS ID: 10108015  
Experation Date: 01/28/2007

**Actual:  
344 ft.**

**B12  
East  
< 1/8  
0.122 mi.  
646 ft.**

**ANDERSON VALLEY EQUIPMENT  
HIGHWAY 101 28313  
CLOVERDALE, CA**

**LUST S101304765  
N/A**

**Site 1 of 2 in cluster B**

**Relative:  
Higher**

LUST REG 1:  
Region: 1  
Facility ID: 1TSO404  
Staff Initials: Closed

**Actual:  
358 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B13**  
**East**  
**1/8-1/4**  
**0.131 mi.**  
**693 ft.**

**CLOVERDALE WOOD WASTE LANDFILL #1**  
**EAST OF HWY 101, KELLY ROAD**  
**CLOVERDALE, CA 95425**

**ENVIROSTOR** **S100186368**  
**N/A**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**

ENVIROSTOR:

**Actual:**  
**360 ft.**

Facility ID: 49490010  
Status: Refer: RWQCB  
Status Date: 05/11/1988  
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: Not reported  
Senate: Not reported  
Special Program: \* Rural County Survey Program  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: Not reported  
Latitude: 38.77862  
Longitude: -123.0071  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 49490010  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 04/26/1988  
Comments: FACILITY IDENTIFIED SWIS 49 AA 0244 T11N R10W S20

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 05/11/1988  
Comments: SITE SCREENING DONE CALDERON LIST RANK 2 FOR SWAT

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

EDR ID Number  
EPA ID Number

**C14**  
**NNE**  
**1/8-1/4**  
**0.158 mi.**  
**833 ft.**

**SCL VINEYARDS**  
**29085 REDWOOD HWY**  
**CLOVERDALE, CA 95425**

**Site 1 of 2 in cluster C**

**HIST UST**    **U001609743**  
**N/A**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**347 ft.**

File Number: 000216BA  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000216BA.pdf>  
Region: STATE  
Facility ID: 00000044838  
Facility Type: Other  
Other Type: VINEYARD  
Contact Name: E. RICH THOMAS  
Telephone: 7078943043  
Owner Name: S.C.L. CORPORATION  
Owner Address: 7000 MONTECITO BLVD.  
Owner City,St,Zip: SANTA ROSA, CA 95405  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: 1978  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1978  
Tank Capacity: 00001000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

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

**C15**  
**NNE**  
**1/8-1/4**  
**0.166 mi.**  
**877 ft.**

**MGM BRAKES**  
**HIGHWAY 101 & SANTANA ROAD**  
**CLOVERDALE, CA 95425**

**Site 2 of 2 in cluster C**

**ENVIROSTOR**    **S100539014**  
**SLIC**    **N/A**  
**HIST Cal-Sites**  
**DEED**

**Relative:**  
**Higher**

ENVIROSTOR:

**Actual:**  
**346 ft.**

Facility ID: 49280004  
Status: Certified O&M - Land Use Restrictions Only  
Status Date: 12/31/1995  
Site Code: 200062  
Site Type: Federal Superfund  
Site Type Detailed: State Response or NPL  
Acres: 5  
NPL: YES  
Regulatory Agencies: SMBRP, US EPA  
Lead Agency: US EPA  
Program Manager: Claude Jemison  
Supervisor: Mark Piros  
Division Branch: Cleanup Berkeley

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Assembly: 02  
Senate: 02  
Special Program: Not reported  
Restricted Use: YES  
Site Mgmt Req: LUC, EX, NSUB  
Funding: Responsible Party  
Latitude: 38.7838  
Longitude: -123.0110  
APN: 117040038, 117040039, 117040045  
Past Use: MANUFACTURING - OTHER  
Potential COC: Polychlorinated biphenyls (PCBs)  
Confirmed COC: NONE SPECIFIED  
Potential Description: SOIL  
Alias Name: MGM BRAKES INC  
Alias Type: Alternate Name  
Alias Name: 117040038  
Alias Type: APN  
Alias Name: 117040039  
Alias Type: APN  
Alias Name: 117040045  
Alias Type: APN  
Alias Name: CAD000074120  
Alias Type: EPA Identification Number  
Alias Name: 110033610661  
Alias Type: EPA (FRS #)  
Alias Name: T0609793202  
Alias Type: GeoTracker Global ID  
Alias Name: P21040  
Alias Type: PCode  
Alias Name: 200062  
Alias Type: Project Code (Site Code)  
Alias Name: 49280004  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 11/10/2010  
Comments: DTSC visited the Site and observed the surface soils appeared undisturbed, and the Site remains undeveloped, and there was no evidence of any activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Certification  
Completed Date: 12/31/1995  
Comments: Certified Site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 07/12/1995  
Comments: Recorded Deed Restrictions.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Completed Date: 05/30/1990  
Comments: Issued Order.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/26/2009  
Comments: DTSC conducted its annual inspection of the Site. The pavement appeared to be in good condition except for some minor cracks due to weed growth. The pavement is a remnant of the old parking lot used as part of the treatment pad and not part of an approved cap. The surface soils appeared undisturbed, and the property remains undeveloped, there was no evidence of any activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 09/14/2006  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 01/22/2014  
Comments: EPA provided notification of a change in EPA Remedial Project Manager for the site.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 10/17/2007  
Comments: Completed 2007 Annual Inspection Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 02/17/2012  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction - Site Inspection/Visit  
Completed Date: 03/26/2009  
Comments: The pavement appeared to be in good condition except for some minor cracks due to weed growth. The pavement is a remnant of the old parking lot used as part of the treatment pad. It is not part of an approved cap. The surface soils appeared undisturbed, and the property remains undeveloped. There was no evidence of any activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 03/25/2016  
Comments: The Regional Water Quality Control Board, North Coast Region, entered into a Covenant and Environmental Restrictions on Property with

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Cloverdale Property LLC, the site owner, which was recorded with Sonoma County.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 04/09/2015  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 08/28/2008  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 09/30/2003  
Comments: Completed Five-Year Review.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 11/06/1992  
Comments: Completed RA.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 02/28/1992  
Comments: Completed Focused RIFS.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Design  
Completed Date: 11/29/1991  
Comments: Approved Design.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 10/30/1988  
Comments: On September 29, 1988, US EPA issued a Record of Decision for the Site. Remedial Actions for the site were comprised of three parts: 1) demolition; 2) excavation; and 3) groundwater VOC work. US EPA notified the Sonoma County Department of Health to advise that no permits be approved for domestic wells in areas where the groundwater contamination is still above the State drinking water standards.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 09/30/1988  
Comments: Completed RIFS. PCB contamination was discovered in 1981. Site investigations were carried out and revealed that PCB concentrations in the site soils ranged between less than 1 part per million (ppm)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

to 4,500 ppm, with average values of 12.5 ppm. PCBs had reached a depth of 33 feet below ground surface (bgs). In 1986, volatile organic compounds (VOCs) including trichloroethylene (TCE); vinyl chloride; benzene; 1,1-dichloroethene; 1,4-dichlorobenzene; chlorobenzene; 1,1-trichloroethane and cis-1,2-dichloroethene were detected in the groundwater beneath the site. Soil, surface water, and groundwater on and adjacent to the site are contaminated with PCBs. The maximum concentration of PCBs found in soil is 4,500 ppm. The majority of locations sampled, however, have less than 100 ppm of PCBs. PCBs have also been found in two of 14 groundwater monitoring wells. Low levels of chlorinated organic compounds have also been detected in some wells.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 10/30/1986  
Comments: Completed PPP.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/01/2005  
Comments: Superfund Redevelopment Initiative

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 02/02/2005  
Comments: RfR Determination completed February 2, 2005.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 02/06/2014  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision w/ESD  
Completed Date: 09/16/2016  
Comments: The U.S. Environmental Protection Agency (EPA) determined that land use restrictions are no longer needed to achieve protectiveness at the Site based on a re-evaluation of potential risks to human health and the environment during the 2013 five-year review. EPA issued the Explanation of Significant Differences (ESD) to remove the requirement for land use restrictions that was identified as part of the Site remedy by a 1995 ESD.

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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Schedule Revised Date: Not reported

**SLIC:**

Region: STATE  
**Facility Status:** **Open - Verification Monitoring**  
Status Date: 03/03/2009  
Global Id: T0609793202  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.782583398  
Longitude: -123.011520491  
Case Type: Cleanup Program Site  
Case Worker: BML  
Local Agency: US ENVIRONMENTAL PROTECTION AGENCY  
RB Case Number: 1NSO310  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Polychlorinated biphenyls (PCBs)  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**SLIC REG 1:**

Region: 1  
Facility ID: 1NSO310  
Staff Initials: RSB

**Calsite:**

Region: BERKELEY  
Facility ID: 49280004  
Facility Type: NPRP  
Type: NPL SITE, RP-FUNDED  
Branch: NC  
Branch Name: NORTH COAST  
File Name: Not reported  
State Senate District: 12311995  
Status: CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES  
IMPLEMENTED, REMEDIATION CONTINUES  
Status Name: CERTIFIED / OPERATION & MAINTENANCE  
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY  
NPL: Listed  
SIC Code: 28  
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS  
Access: Not reported  
Cortese: Not reported  
Hazardous Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Confirmed  
Staff Member Responsible for Site: PLEE1  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

State Assembly District Code: 01  
State Senate District Code: 02  
Facility ID: 49280004  
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: 10301986  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49280004  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 09301988  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49280004  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Comments Date:	10301988
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05301990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	BLDG
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11291991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

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:	49280004
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02281992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	BLDG
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11061992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	22
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	REMOVAL OF SOLID AND LIQUID HAZARDOUS WASTES.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07121995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12311995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	42000
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	THE REMEDIATION WAS A COMBINATION OF DEMOLITION, ON-SITE SOIL REMOVAL,CAPPING WITH CLEAN SOIL, AND INSTALLATION AND MONITORING OF WELLS FORVOLATILE ORGANIC COMPOUNDS (VOCS) FOR 7 YEARS.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49280004
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09302003



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 49280004  
Activity: 5YEAR  
Activity Name: FIVE-YEAR REVIEW REQUIRED BY CERCLA  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: 09302008  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: COM  
Definition of Status: CERTIFIED / OPERATION & MAINTENANCE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Alternate Address: 1184 S CLOVERDALE REDWOOD HWY S  
Alternate City,St,Zip: CLOVERDALE, CA 95425  
Alternate Address: 90 MILES NORTH OF SAN FRANCISCO  
Alternate City,St,Zip: CLOVERDALE, CA 95425  
Alternate Address: US HIGHWAY 101 & SANTANA ROAD  
Alternate City,St,Zip: CLOVERDALE, CA 95425  
Alternate Address: HIGHWAY 101 & SANTANA ROAD  
Alternate City,St,Zip: CLOVERDALE, CA 95425  
Background Info: MGM Brakes has operated a brake casting plant at this five acre site since 1965. The plant manufactures brake systems for the trucking industry. From 1966 to 1972, hydraulic fluids containing about 47 percent polychlorinated biphenyls (PCBs) were used in its brake casting machines. Spent hydraulic fluids were discharged into empty fields on the property. MGM Brakes was placed on the US EPA National Priority List in 1983. The US EPA became the lead agency in 1985.  
Comments Date: 10301988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Comments: Department of Health to advise that no permits be approved for  
Comments Date: 10301988  
Comments: domestic wells in areas where the groundwater contamination is  
Comments Date: 10301988  
Comments: still above the State drinking water standards.  
Comments Date: 11061992  
Comments: Completed RA.  
Comments Date: 11291991  
Comments: Approved Design.  
Comments Date: 12311995  
Comments: Certified Site.  
Comments Date: 02281992  
Comments: Completed Focused RIFS.  
Comments Date: 05301990  
Comments: Issued Order.  
Comments Date: 07121995  
Comments: Recorded Deed Restrictions.  
Comments Date: 09301988  
Comments: Completed RIFS. PCB contamination was discovered in 1981. Site  
Comments Date: 09301988  
Comments: investigations were carried out and revealed that PCB  
Comments Date: 09301988  
Comments: concentrations in the site soils ranged between less than 1 part  
Comments Date: 09301988  
Comments: per million (ppm) to 4,500 ppm, with average values of 12.5 ppm.  
Comments Date: 09301988  
Comments: PCBs had reached a depth of 33 feet below ground surface (bgs).  
Comments Date: 09301988  
Comments: In 1986, volatile organic compounds (VOCs) including  
Comments Date: 09301988  
Comments: trichloroethylene (TCE); vinyl chloride; benzene;  
Comments Date: 09301988  
Comments: 1,1-dichloroethene; 1,4-dichlorobenzene; chlorobenzene;  
Comments Date: 09301988  
Comments: 1,1-trichloroethane and cis-1,2-dichloroethene were detected in  
Comments Date: 09301988  
Comments: the groundwater beneath the site. Soil, surface water, and  
Comments Date: 09301988  
Comments: groundwater on and adjacent to the site are contaminated with  
Comments Date: 09301988  
Comments: PCBs. The maximum concentration of PCBs found in soil is 4,500  
Comments Date: 09301988  
Comments: ppm. The majority of locations sampled, however, have less than  
Comments Date: 09301988  
Comments: 100 ppm of PCBs. PCBs have also been found in two of 14  
Comments Date: 09301988  
Comments: groundwater monitoring wells. Low levels of chlorinated organic  
Comments Date: 09301988  
Comments: compounds have also been detected in some wells.  
Comments Date: 09302003  
Comments: Completed Five-Year Review.  
Comments Date: 10301986  
Comments: Completed PPP.  
Comments Date: 10301988  
Comments: Approved RAP. On September 29, 1988, US EPA issued a Record of  
Comments Date: 10301988  
Comments: Decision for the Site. Remedial Actions for the site were

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**S100539014**

Comments Date: 10301988  
Comments: comprised of three parts: 1) demolition; 2) excavation; and 3)  
Comments Date: 10301988  
Comments: groundwater VOC work. US EPA notified the Sonoma County  
ID Name: CALSTARS CODE  
ID Value: 200062  
ID Name: BEP DATABASE PCODE  
ID Value: P21040  
ID Name: EPA IDENTIFICATION NUMBER  
ID Value: CAD000074120  
Alternate Name: MGM BRAKES INC  
Alternate Name: MGM BRAKES  
Alternate Name: Not reported  
Special Programs Code: MSCA  
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

**DEED:**

Envirostor ID: 49280004  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: FEDERAL SUPERFUND  
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 07/12/1995

Envirostor ID: 49280004  
Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: FEDERAL SUPERFUND  
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): 03/25/2016

**D16**  
**North**  
**1/8-1/4**  
**0.212 mi.**  
**1118 ft.**

**SHELL - GOLDEN GATE**  
**1194 S CLOVERDALE BL**  
**CLOVERDALE, CA 95425**

**Site 1 of 8 in cluster D**

**UST U004050360**  
**N/A**

**Relative:**  
**Higher**

**UST:**

Facility ID: 49-000-005632  
Permitting Agency: SONOMA COUNTY  
Latitude: 38.7852119  
Longitude: -123.010123

**Actual:**  
**346 ft.**

Facility ID: 49-000-005632  
Permitting Agency: Sonoma County Fire & Emergency Services  
Latitude: 38.7838629  
Longitude: -123.011472

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Site

Database(s)

**D17**  
**North**  
**1/8-1/4**  
**0.212 mi.**  
**1118 ft.**

**CLOVERDALE SINCLAIR**  
**1194 S CLOVERDALE BL**  
**CLOVERDALE, CA 95425**

**CUPA Listings** **S110373807**  
**N/A**

**Site 2 of 8 in cluster D**

**Relative:**  
**Higher**

CUPA SONOMA:

Facility ID: 49-000-005632  
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: 10107280  
Expiration Date: 01/25/2019

**Actual:**  
**346 ft.**

Facility ID: 49-000-005632  
Permit: Not reported  
Type: HMBP  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Range 8  
CERS ID: 10107280  
Expiration Date: 01/25/2019

Facility ID: 49-000-005632  
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: 10107280  
Expiration Date: 01/25/2019

**D18**  
**NNE**  
**1/8-1/4**  
**0.223 mi.**  
**1179 ft.**

**CLOVERDALE SINCLAIR**  
**1194 S CLOVERDALE BL**  
**CLOVERDALE, CA 95425**

**UST** **U004270869**  
**N/A**

**Site 3 of 8 in cluster D**

**Relative:**  
**Higher**

UST:

Facility ID: 49-000-005632  
Permitting Agency: Sonoma County Fire & Emergency Services Department  
Latitude: 38.7838629  
Longitude: -123.011472

**Actual:**  
**345 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**D19**  
**North**  
**1/8-1/4**  
**0.225 mi.**  
**1188 ft.**

**CLOVERDALE CHEVRON**  
**1165 S CLOVERDALE BLVD**  
**CLOVERDALE, CA 95425**

**CUPA Listings**

**S112444705**  
**N/A**

**Site 4 of 8 in cluster D**

**Relative:**  
**Higher**

CUPA SONOMA:

Facility ID: 49-000-005132  
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 - 4 tanks  
CERS ID: 10106269  
Expiration Date: 01/25/2019

**Actual:**  
**348 ft.**

Facility ID: 49-000-005132  
Permit: Not reported  
Type: Hazardous Waste  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: SQG < 325 gallons/year  
CERS ID: 10106269  
Expiration Date: 01/25/2019

Facility ID: 49-000-005132  
Permit: Not reported  
Type: HMBP  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Range 4  
CERS ID: 10106269  
Expiration Date: 01/25/2019

**D20**  
**North**  
**1/8-1/4**  
**0.225 mi.**  
**1188 ft.**

**CLOVERDALE CHEVRON**  
**1165 S CLOVERDALE BLVD**  
**CLOVERDALE, CA 95425**

**UST** **U003783389**  
**N/A**

**Site 5 of 8 in cluster D**

**Relative:**  
**Higher**

UST:

Facility ID: 49-000-005132  
Permitting Agency: Sonoma County Fire & Emergency Services Department  
Latitude: 38.783733  
Longitude: -123.012685

**Actual:**  
**348 ft.**

Facility ID: 5132  
Permitting Agency: SONOMA COUNTY



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE CHEVRON (Continued)**

**U003783389**

Latitude: 38.785082  
Longitude: -123.011336

**21**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1225 ft.**

**LOUISIANA PACIFIC CORPORATION**  
**KELLY ROAD**  
**CLOVERDALE, CA 95425**

**HIST UST**

**U001609732**  
**N/A**

**Relative:**  
**Higher**

HIST UST:

File Number: 00021B4C  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00021B4C.pdf>  
Region: STATE  
Facility ID: 00000055001  
Facility Type: Other  
Other Type: LUMBER  
Contact Name: VARL W. MCAVOY  
Telephone: 7078942551  
Owner Name: LOUISIANA-PACIFIC CORPORATION  
Owner Address: 111 S.W. FIFTH AVENUE  
Owner City,St,Zip: PORTLAND, OR 97204  
Total Tanks: 0001

**Actual:**  
**565 ft.**

Tank Num: 001  
Container Num: 633  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

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

**D22**  
**North**  
**1/8-1/4**  
**0.234 mi.**  
**1237 ft.**

**ANDERSEN EXCAVATING**  
**1175 LOVERDALE**  
**CLOVERDALE, CA 95425**

**HIST CORTESE**

**S105023327**  
**N/A**

**Site 6 of 8 in cluster D**

**Relative:**  
**Higher**

HIST CORTESE:

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSO287

**Actual:**  
**347 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D23  
North  
1/8-1/4  
0.235 mi.  
1243 ft.

ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.)  
1175 CLOVERDALE BLVD S  
CLOVERDALE, CA 95425

Site 7 of 8 in cluster D

LUST  
SWEEPS UST S105692842  
N/A

Relative:  
Higher

LUST:

Actual:  
348 ft.

Region: STATE  
Global Id: T0609700214  
Latitude: 38.781577325  
Longitude: -123.014967427  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 09/07/2011  
Lead Agency: SONOMA COUNTY LOP  
Case Worker: LCW  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1TSO287  
LOC Case Number: 00001023  
File Location: Local Agency Warehouse  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Investigation is not complete. Petition was filed with SWRCB. SWRCB granted site closure petition and dated the closure letter 9/7/2011. 9/7/2011, SWRCB also issued a request for monitoring well destruction with required county permits .

[Click here to access the California GeoTracker records for this facility:](#)

Status History:

Global Id: T0609700214  
Status: Completed - Case Closed  
Status Date: 09/07/2011  
  
Global Id: T0609700214  
Status: Open - Case Begin Date  
Status Date: 06/22/1989  
  
Global Id: T0609700214  
Status: Open - Remediation  
Status Date: 03/01/1990  
  
Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 06/22/1989  
  
Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 10/30/1990  
  
Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 04/24/1992  
  
Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 07/24/1992  
  
Global Id: T0609700214  
Status: Open - Site Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.) (Continued)**

**S105692842**

Status Date: 01/27/2006

Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 06/12/2006

Global Id: T0609700214  
Status: Open - Site Assessment  
Status Date: 09/15/2006

Global Id: T0609700214  
Status: Open - Verification Monitoring  
Status Date: 03/19/2003

**Regulatory Activities:**

Global Id: T0609700214  
Action Type: ENFORCEMENT  
Date: 07/28/1989  
Action: Notice of Responsibility

Global Id: T0609700214  
Action Type: ENFORCEMENT  
Date: 06/22/1989  
Action: Notification - Proposition 65

Global Id: T0609700214  
Action Type: RESPONSE  
Date: 02/08/2006  
Action: Soil and Water Investigation Workplan

Global Id: T0609700214  
Action Type: RESPONSE  
Date: 07/10/2006  
Action: Soil and Water Investigation Workplan

Global Id: T0609700214  
Action Type: RESPONSE  
Date: 09/19/2006  
Action: Soil and Water Investigation Report

Global Id: T0609700214  
Action Type: ENFORCEMENT  
Date: 11/15/2004  
Action: Staff Letter

Global Id: T0609700214  
Action Type: RESPONSE  
Date: 02/03/2007  
Action: CAP/RAP - Feasibility Study Report

Global Id: T0609700214  
Action Type: ENFORCEMENT  
Date: 04/28/2004  
Action: Staff Letter

Global Id: T0609700214  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.) (Continued)**

**S105692842**

Date:	04/19/2007
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	09/07/2011
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	09/30/2011
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	Other
Date:	07/21/1989
Action:	Leak Reported
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	09/28/2000
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	04/30/1992
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	07/19/2006
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	12/08/2005
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	02/09/2006
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	REMEDATION
Date:	10/30/1990
Action:	Excavation
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	05/10/2006
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	11/03/2006
Action:	Staff Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.) (Continued)**

**S105692842**

Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	06/17/2009
Action:	Petition Submitted for Review
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	09/07/2011
Action:	Closure/No Further Action Letter - #WQO2011-0011
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	07/13/2012
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	RESPONSE
Date:	07/16/2004
Action:	Other Report / Document
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	09/17/2008
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	Other
Date:	07/14/1989
Action:	Leak Discovery
Global Id:	T0609700214
Action Type:	RESPONSE
Date:	01/16/2005
Action:	Other Report / Document
Global Id:	T0609700214
Action Type:	RESPONSE
Date:	07/21/2009
Action:	Respond to Petition
Global Id:	T0609700214
Action Type:	RESPONSE
Date:	07/31/2009
Action:	Respond to Petition
Global Id:	T0609700214
Action Type:	ENFORCEMENT
Date:	07/30/2009
Action:	Staff Letter
Global Id:	T0609700214
Action Type:	Other
Date:	07/14/1989
Action:	Leak Stopped
Global Id:	T0609700214
Action Type:	RESPONSE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.) (Continued)**

**S105692842**

Date: 04/09/2006  
Action: Soil and Water Investigation Report

**SONOMA CO. LUST:**

Region: SONOMA  
Regional Board: 1TSO287  
Closed or Referred: Y  
Confirm Date: 09/07/2011  
LOP Number: 00001023  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700214

**SWEEPS UST:**

Status: Active  
Comp Number: 1023  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001023-000001  
Tank Status: A  
Capacity: 1  
Active Date: 09-29-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: 4

Status: Active  
Comp Number: 1023  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001023-000002  
Tank Status: A  
Capacity: 1  
Active Date: 09-29-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 1023  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANDERSEN EXCAVATING (ANDERSEN, ROBERT A.) (Continued)**

**S105692842**

Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001023-000003  
Tank Status: A  
Capacity: 1  
Active Date: 09-29-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 1023  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: 10-02-89  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-001023-000004  
Tank Status: A  
Capacity: 1  
Active Date: 09-29-89  
Tank Use: UNKNOWN  
STG: P  
Content: UNKNOWN  
Number Of Tanks: Not reported

**D24**  
**NNE**  
**1/8-1/4**  
**0.236 mi.**  
**1246 ft.**

**MGM BRAKES**  
**HWY 101 & SANTANA RD**  
**CLOVERDALE, CA 95425**

**Site 8 of 8 in cluster D**

**Relative:**  
**Lower**

**Actual:**  
**343 ft.**

NPL:  
EPA ID: CAD000074120  
Cerclis ID: 900899  
EPA Region: 9  
Federal: N  
Final Date: 1983-09-08 00:00:00  
Site Score: 34.700000000000003  
Latitude: 38.783999999999999  
Longitude: -123.01090000000001

Category Details:  
NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 7

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

**NPL** **1009966249**  
**SEMS** **CAD000074120**  
**RCRA-SQG**  
**US ENG CONTROLS**  
**ROD**  
**PRP**  
**ICIS**  
**FINDS**  
**ECHO**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Site Details:

Site Name: MGM BRAKES  
Site Status: Final  
Site Zip: 95425  
Site City: CLOVERDALE  
Site State: CA  
Federal Site: No  
Site County: SONOMA  
EPA Region: 09  
Date Proposed: 12/30/82  
Date Deleted: Not reported  
Date Finalized: 09/08/83

Substance Details:

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: GROUND WATER PATHWAY  
Scoring: 3

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

Summary Details:

Conditions at listing December 1982): The MGM Brakes Site covers 8 acres at the southern edge of Cloverdale, California, and is surrounded by residential, industrial, commercial, and agricultural areas. It is primarily a privately owned brake assembly and casting plant. In the past, this facility operated casting machines that used hydraulic fluids containing PCBs. When plant casting operations started, leakage from the machines collected and discharged onto an open field at the south end of the plant. This method of waste handling continued until August 1981, when the State directed the facility to discontinue the discharge and clean up the site. Hazardous concentrations of PCBs were found in the open field and inside the casting plant. Run-off from the site drains into Icaria Creek, a tributary of the Russian River. About 1 mile from the site, the river supplies drinking water to Marin and Sonoma Counties. River water is also used for agricultural purposes. Groundwater in the vicinity is used for domestic and agricultural purposes. The facility overlies a shallow aquifer 8 to 25 feet below the surface. In August 1981, following a State order, MGM Brakes began removal of soil contaminated with oil from the field adjacent to the casting building. Before disposing of the soil, the transporter tested it and found that it contained PCBs. Following this discovery, the casting building was found to be contaminated with PCBs. MGM Brakes cleaned up the plant building

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

in early 1982. A study by MGM Brakes determined that PCBs were in the soil to a depth of 20 feet. An estimated 3,000 cubic yards of soil are contaminated. Usable ground water in the vicinity of the site is free of contamination. Status July 1983): With these studies now complete, the State and MGM Brakes are nearing agreement on the terms of a final cleanup plan at the site.

Site Status Details:

NPL Status: Final  
Proposed Date: 12/30/1982  
Final Date: 09/08/1983  
Deleted Date: Not reported

Narratives Details:

NPL Name: MGM BRAKES  
City: CLOVERDALE  
State: CA

SEMS:

Site ID: 900899  
EPA ID: CAD000074120  
Federal Facility: N  
NPL: Currently on the Final NPL  
Non NPL Status: Not reported

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**

Site ID: 0900899  
EPA ID: CAD000074120  
Facility County: SONOMA  
Short Name: MGM BRAKES  
Congressional District: 2  
IFMS ID: 0946  
SMSA Number: 7500  
USGC Hydro Unit: 18010110  
Federal Facility: Not a Federal Facility  
DMNSN Number: 5.00000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported  
RST Code: Not reported  
EPA Region: 09  
Classification: Manufacturing Plant  
Site Settings Code: RU  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: ACRE  
RBRAC Code: Not reported  
RResp Fed Agency Code: Not reported  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 06097  
CC Concurrence Date: 09/09/94  
CC Concurrence FY: 1994  
Alias EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 9000109.00000  
Contact Name: Richard Martyn  
Contact Tel: (415) 972-3038  
Contact Title: On-Scene Coordinator (OSC)  
Contact Email: Not reported

Contact ID: 9270578.00000  
Contact Name: Janet Rosati  
Contact Tel: (415) 972-3165  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

Contact ID: 13003854.00000  
Contact Name: Leslie Ramirez  
Contact Tel: (415) 972-3978  
Contact Title: Site Assessment Manager (SAM)  
Contact Email: Not reported

Contact ID: 13003858.00000  
Contact Name: Sharon Murray  
Contact Tel: (415) 972-4250  
Contact Title: Site Assessment Manager (SAM)  
Contact Email: Not reported

Contact ID: 13004003.00000  
Contact Name: Carl Brickner  
Contact Tel: Not reported  
Contact Title: Site Assessment Manager (SAM)  
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101  
Alias Name: MGM BRAKES  
Alias Address: REDWOOD HWY S  
CLOVERDALE, CA 95425

Alias ID: 102  
Alias Name: MGM BRAKES  
Alias Address: HWY 101 & SANTANA RD  
CLOVERDALE, CA 95425

Alias Comments: Not reported

Site Description: The MGM Brakes site is located in Cloverdale, California, a northern California community in the Alexander Valley approximately 80 miles north of San Francisco. The MGM Brakes facilities, a portion of which comprises the MGM Brakes Superfund site, are located at the southern edge of the community. The MGM Brakes division of Indian Head Industries, Inc. operates an assembly plant and casting plant for automotive brakes, located on the east and west sides of Highway 101. The assembly plant, a storage area, and offices occupy three acres on the east side of the highway. The aluminum casting plant and vacant field occupy five acres of land on the west side of the highway. The site consists of the five-acre plot which contains the operating casting plant, a paved area surrounding the plant, and an open field to the far west, southwest, and south of the plant. Adjacent property consists mainly of residential homes and construction businesses. Within a half-mile radius of the



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

site there are approximately 40 homes, an apartment complex, a church, a railroad track and several small construction industries. Additionally, a grazing area for cows and horses is located 100 feet northwest of the site. In addition, a 200 unit housing development is under construction immediately adjacent to the northern boundary of the site. The land which comprises the MGM Brakes site is owned by Clover Castings, Inc., a wholly-owned subsidiary of Thyssen-Bornemisza Group, Inc. ("TBG"). The parent company of TBG is TBG Holdings, Inc. Indian Head Industries, Inc. owns and operates the casting plant on the site. The plant was formerly operated by MGM Brakes, Inc.; MGM Brakes is now a division of Indian Head Industries, Inc. The potentially responsible parties (PRPs) for the site include all of the above-referenced companies, although not all actions in this document identified as being performed by PRPs were performed by all of them. Polychlorinated biphenyl (PCB) discharges occurred from 1965 to 1972. In 1972 hydraulic fluids containing PCBs were replaced with other products. Discharge of hydraulic fluids containing ethylene glycol and wastewater continued until August, 1981. Portions of the property have been found to be contaminated with PCBs as a result of the discharge of the PCB-laden hydraulic fluid. The North Coast California Regional Water Quality Control Board (NCRWQCB) and the California Department of Fish and Game (DFG) conducted an inspection at the MGM Brakes casting plant on August 11, 1981. They noted the presence of an oily material on the soils south of the plant building. The NCRWQCB and DFG representatives informed the MGM plant manager that discharge of wastes materials on the property soils had to be discontinued and the visibly oily waste materials on the property soils had to be cleaned up. MGM Brakes personnel scraped up the oily materials with shovels and stockpiled it on-site. MGM Brakes contacted IT Corporation in Martinez, California for waste disposal. Prior to accepting the material, IT requested that a sample of the material be sent to them for analysis. On September 28, 1981, IT Corporation informed MGM that the soil sample contained PCB. The NCRWQCB issued Clean-up and Abatement Order Sections 81-216 (November 1981), which required MGM Brakes to submit and execute a remedial action plan and to monitor groundwater for the presence of PCBs. These remedial activities were primarily performed by consultants to the PRPs. The site was placed on the Superfund National Priorities List (NPL) in 1983. At this time, EPA took the lead responsibility for this previously state-lead site. EPA conducted a limited field investigation during the course of evaluating remedial alternatives. The original EPA Feasibility Study (FS) was initiated during 1985 and released in 1986. The first FS identified incineration as the Agency's preferred alternative. Due to strong opposition to incineration as well as other comments submitted during the public comment period, EPA decided to do a revised FS. The revised FS was initiated in 1987 and released for public comment in April 1988. A Record of Decision addressing the overall site Operable Unit 01 at the MGM Brakes site was completed in September 1988.

**CERCLIS Assessment History:**

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	08/01/81
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Action Code: 001  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 08/01/81  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: SITE INSPECTION  
Date Started: 08/01/81  
Date Completed: 12/01/82  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: State, Fund Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: / /  
Date Completed: 12/01/82  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 12/30/82  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 09/08/83  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Action Anomaly: Not reported

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION  
Date Started: 11/12/81  
Date Completed: 09/15/83  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: FEASIBILITY STUDY  
Date Started: 09/15/83  
Date Completed: 09/24/86  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: 02/01/85  
Date Completed: 01/15/87  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 12/08/86  
Date Completed: 09/29/88  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/29/88  
Priority Level: Final Remedy Selected at Site  
Operable Unit: OVERALL SITE  
Primary Responsibility: EPA Fund-Financed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 11/25/88  
Date Completed: 07/11/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: CONSENT DECREE  
Date Started: 07/11/89  
Date Completed: 05/18/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 002  
Action: REMOVAL ASSESSMENT  
Date Started: 09/06/90  
Date Completed: 09/06/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 05/18/90  
Date Completed: 01/29/91  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: REMOVAL ASSESSMENT  
Date Started: / /  
Date Completed: 12/17/92

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: / /  
Date Completed: 01/12/93  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 005  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: 09/24/93  
Date Completed: 01/06/94  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 002  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: / /  
Date Completed: 01/27/94  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: PRELIMINARY CLOSE-OUT REPORT PREPARED  
Date Started: / /  
Date Completed: 09/09/94  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 006  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: 09/04/94



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Date Completed: 01/19/95  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 003  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: / /  
Date Completed: 01/31/95  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: COMMUNITY INVOLVEMENT  
Date Started: 12/09/85  
Date Completed: 09/25/95  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 01/29/91  
Date Completed: 09/25/95  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 007  
Action: PREPARATION OF COST DOCUMENT PACKAGE  
Date Started: / /  
Date Completed: 01/25/96  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: FIVE-YEAR REVIEW  
Date Started: 04/30/03

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Date Completed: 09/30/03  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 002  
Action: FIVE-YEAR REVIEW  
Date Started: / /  
Date Completed: 08/20/08  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 003  
Action: FIVE-YEAR REVIEW  
Date Started: / /  
Date Completed: 09/26/13  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY LONG-TERM RESPONSE ACTION  
Date Started: 09/25/95  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: OVERALL SITE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

**Federal Register Details:**

Fed Register Date: 09/08/83  
Fed Register Volume: 48  
Page Number: 40658

Fed Register Date: 12/30/82  
Fed Register Volume: 47  
Page Number: 58476

**RCRA-SQG:**

Date form received by agency: 09/01/1996  
Facility name: MGM BRAKES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Facility address: 1201 S CLOVERDALE BLVD  
CLOVERDALE, CA 95425  
EPA ID: CAD000074120  
Mailing address: PO BOX 249  
CLOVERDALE, CA 95425  
Contact: Not reported  
Contact address: Not reported  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**

Owner/operator name: INDIAN HEAD  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Historical Generators:

Date form received by agency: 04/03/1990  
Site name: MGM BRAKES-CASTING DEPT  
Classification: Large Quantity Generator

Date form received by agency: 07/23/1980  
Site name: MGM BRAKES  
Classification: Large Quantity Generator

Violation Status: No violations found

US ENG CONTROLS:

EPA ID: CAD000074120  
Site ID: 0900899  
Name: MGM BRAKES  
Address: HWY 101 & SANTANA RD  
CLOVERDALE, CA 95425

EPA Region: 09  
County: SONOMA  
Event Code: Not reported  
Actual Date: 09/30/1988  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Buildings/Structures  
Engineering Control: Demolition  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Buildings/Structures  
Engineering Control: Disposal  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Pump And Treat  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Dewatering  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Disposal  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Excavation  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Residuals Disposal  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Excavation  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Revegetation  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Sampling  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Soil Cover  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Surface Water  
Engineering Control: Sampling  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1988  
Operable Unit: 01  
Contaminated Media : Surface Water  
Engineering Control: Surface Water Control  
Contact Name: Not reported  
Contact Phone and Ext: Not reported  
Event Code Description: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PRP:

PRP name: INDIAN HEAD INDUSTRIES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

TBG INC.

ICIS:

Enforcement Action ID: 09-1989-0020  
FRS ID: 110002626409  
Action Name: TBG, INC.  
Facility Name: MGM BRAKES  
Facility Address: 1201 S CLOVERDALE BLVD  
CLOVERDALE, CA 95425  
Enforcement Action Type: Civil Judicial Action  
Facility County: SONOMA  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Judicial  
EA Type Code: CIV  
Facility SIC Code: 3714  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 38.784  
Longitude in Decimal Degrees: -123.0109  
Permit Type Desc: Not reported  
Program System Acronym: 3782  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Facility Name: MGM BRAKES  
Address: 1201 S CLOVERDALE BLVD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3714

Facility Name: MGM BRAKES  
Address: 1201 S CLOVERDALE BLVD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3714

Facility Name: MGM BRAKES  
Address: 1201 S CLOVERDALE BLVD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3714

Facility Name: MGM BRAKES  
Address: 1201 S CLOVERDALE BLVD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 3714

Facility Name: MGM BRAKES  
Address: 1201 S CLOVERDALE BLVD  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MGM BRAKES (Continued)**

**1009966249**

SIC Code: 3714

**FINDS:**

Registry ID: 110002626409

**Environmental Interest/Information System**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

**SUPERFUND NPL**

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**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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

**ECHO:**

Envid: 1009966249  
Registry ID: 110002626409  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002626409>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

25  
NNW  
1/8-1/4  
0.249 mi.  
1314 ft.

**MARYS PIZZA SHACK #13**  
**1143 S CLOVERDALE BLVD**  
**CLOVERDALE, CA 95425**

**CUPA Listings** **S112445124**  
**N/A**

**Relative:**  
**Higher**

CUPA SONOMA:

Facility ID: 49-000-008001  
Permit: Not reported  
Type: HMBP  
HMBP: Not reported  
UST: Not reported  
HWG: Not reported  
calarp: Not reported  
AST: Not reported  
HW Treatment: Not reported  
Fee Schedule: Range 9 - Restaurants > 1000 SCF CO2  
CERS ID: 10400395  
Expiration Date: Not reported

**Actual:**  
**358 ft.**

E26  
North  
1/4-1/2  
0.253 mi.  
1336 ft.

**MGM BRAKES ASSEMBLY PLANT**  
**1184 CLOVERDALE BOULEVARD, SOUTH**  
**CLOVERDALE, CA 95425**

**SLIC** **S105693784**  
**N/A**

**Site 1 of 2 in cluster E**

**Relative:**  
**Higher**

SLIC:

Region: STATE  
**Facility Status:** **Open - Remediation**  
Status Date: 05/20/2009  
Global Id: T0609793349  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.7841763990477  
Longitude: -123.012306690216  
Case Type: Cleanup Program Site  
Case Worker: BML  
Local Agency: SONOMA COUNTY  
RB Case Number: 1NSO597  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Diesel, Polychlorinated biphenyls (PCBs), \* Solvents, Trichloroethylene (TCE), Toluene, Xylene  
  
Site History:  
This facility is an active truck brake manufacturing facility.  
Environmental investigations at the site have determined that solvents were release to the soil , groundwater and surface water at this site. Remediation of the contamination includes groundwater extraction, excavation in source areas and sub slab vapor extraction.

**Actual:**  
**347 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 1:

Region: 1  
Facility ID: 1NSO597  
Staff Initials: RSB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

	Site	Database(s)	EPA ID Number
<b>E27</b> <b>North</b> <b>1/4-1/2</b> <b>0.253 mi.</b> <b>1336 ft.</b>	<b>MGM BRAKES</b> <b>1184 SOUTH CLOVERDALE BLVD</b> <b>CLOVERDALE, CA 95425</b>  <b>Site 2 of 2 in cluster E</b>	<b>CONSENT</b>	<b>1000105231</b> <b>N/A</b>

<b>Relative:</b> <b>Higher</b>	CONSENT:	
	EPA ID:	CAD000074120
	Site ID:	Not reported
<b>Actual:</b> <b>347 ft.</b>	Case Title:	U.S. V TBG, INC. AND INDIAN HEAD INDUSTRIES, INC. (MGM BRAKES)
	Court Num:	89-4047
	District:	California, Cent
	Entered Date:	19900518
	Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.	

<b>28</b> <b>ENE</b> <b>1/4-1/2</b> <b>0.276 mi.</b> <b>1456 ft.</b>	<b>CLOVERDALE WOOD WASTE LANDFILL #1</b> <b>200 KELLY RD.</b> <b>CLOVERDALE, CA</b>	<b>SWF/LF</b>	<b>S102362770</b> <b>N/A</b>
----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	---------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	SWF/LF (SWIS):	
	Region:	STATE
	Facility ID:	49-AA-0244
<b>Actual:</b> <b>358 ft.</b>	Lat/Long:	38.78165 / -123.00076
	Owner Name:	Alan Furber Jr. Trust et. al.
	Owner Telephone:	7074335826
	Owner Address:	Not reported
	Owner Address2:	P.O. Box 1384
	Owner City,St,Zip:	Healdsburg, CA 95448
	Operational Status:	Closed
	Operator:	Sky Capital America, Inc.
	Operator Phone:	9737885061
	Operator Address:	Christopher Grosick
	Operator Address2:	830 Morris Turnpike, 2nd Floor #204
	Operator City,St,Zip:	Short Hills, CA 07078
	Permit Date:	Not reported
	Permit Status:	Not reported
	Permitted Acreage:	Not reported
	Activity:	Solid Waste Disposal Site
	Regulation Status:	Unpermitted
	Landuse Name:	Other,Commercial
	GIS Source:	Map
	Category:	Disposal
	Unit Number:	01
	Inspection Frequency:	Annual
	Accepted Waste:	Not reported
	Closure Date:	Not reported
	Closure Type:	Not reported
	Disposal Acreage:	Not reported
	SWIS Num:	49-AA-0244
	Waste Discharge Requirement Num:	Not reported
	Program Type:	Not reported
	Permitted Throughput with Units:	Not reported
	Actual Throughput with Units:	Not reported
	Permitted Capacity with Units:	Not reported
	Remaining Capacity:	Not reported
	Remaining Capacity with Units:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOVERDALE WOOD WASTE LANDFILL #1 (Continued)**

**S102362770**

Lat/Long: 38.78165 / -123.00076

**29**  
**North**  
**1/4-1/2**  
**0.371 mi.**  
**1960 ft.**

**CDF - CLOVERDALE**  
**28930 REDWOOD HWY**  
**CLOVERDALE, CA 95425**

**LUST** **S104405106**  
**N/A**

**Relative:**  
**Higher**

**LUST:**

**Actual:**  
**348 ft.**

Region: STATE  
Global Id: T0609700496  
Latitude: 38.788837355  
Longitude: -123.017392565  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 11/20/2015  
Lead Agency: SONOMA COUNTY LOP  
Case Worker: LCW  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1TSO701  
LOC Case Number: 00001087  
File Location: Local Agency Warehouse  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline, Diesel  
Site History: Excerpts of site history from file reports: In 1998 two underground storage tanks (USTs) were removed from the site. Investigation of the site began in 2001. \* Declaration is on file indicating no knowledge of improper disposal and that a diligent search was conducted for documentation. Onsite domestic water supply well was sampled on 10/9/02 and 1/11/13 and the results were non-detect for constituents of concern. This site meets the State Water Resource Control Boards Low-Threat Underground Storage Tank Case Closure Policy as follows: General Criteria are all met, Groundwater Specific Criteria is met by scenario 5a, Petroleum Vapor Intrusion to Indoor Air is met by scenario 2c, Direct Contact and Outdoor Air Exposure is met by scenario 3a.

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

**Contact:**

Global Id: T0609700496  
Contact Type: Regional Board Caseworker  
Contact Name: SONOMA COUNTY LOP CLOSED SITE  
Organization Name: NORTH COAST RWQCB (REGION 1)  
Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: Not reported  
Phone Number: 7075656565

**Status History:**

Global Id: T0609700496  
Status: Completed - Case Closed  
Status Date: 11/20/2015  
  
Global Id: T0609700496  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 01/11/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CDF - CLOVERDALE (Continued)**

**S104405106**

Global Id: T0609700496  
Status: Open - Assessment & Interim Remedial Action  
Status Date: 01/15/2013

Global Id: T0609700496  
Status: Open - Case Begin Date  
Status Date: 05/13/1998

Global Id: T0609700496  
Status: Open - Eligible for Closure  
Status Date: 01/11/2013

Global Id: T0609700496  
Status: Open - Eligible for Closure  
Status Date: 04/25/2014

Global Id: T0609700496  
Status: Open - Site Assessment  
Status Date: 08/06/2001

Global Id: T0609700496  
Status: Open - Site Assessment  
Status Date: 11/08/2001

**Regulatory Activities:**

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 01/28/2015  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/30/2014  
Action: Staff Letter

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 12/11/2009  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/30/2014  
Action: LOP Case Closure Summary to RB

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/30/2014  
Action: Notification - Public Notice of Case Closure

Global Id: T0609700496  
Action Type: RESPONSE  
Date: 01/18/2013  
Action: Soil and Water Investigation Report

Global Id: T0609700496  
Action Type: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CDF - CLOVERDALE (Continued)**

**S104405106**

Date:	02/10/1999
Action:	Leak Reported
Global Id:	T0609700496
Action Type:	RESPONSE
Date:	11/26/2013
Action:	Monitoring Report - Other
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	07/21/2010
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	RESPONSE
Date:	11/15/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0609700496
Action Type:	RESPONSE
Date:	04/20/2015
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	01/20/2012
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	11/20/2015
Action:	Closure/No Further Action Letter
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	12/19/2012
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	06/22/2012
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	02/26/2009
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	ENFORCEMENT
Date:	09/26/2013
Action:	Staff Letter
Global Id:	T0609700496
Action Type:	Other
Date:	05/11/1998
Action:	Leak Discovery

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CDF - CLOVERDALE (Continued)**

**S104405106**

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 01/14/2014  
Action: Staff Letter

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 05/26/2015  
Action: Staff Letter

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/30/2014  
Action: Staff Letter

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/07/2015  
Action: Staff Letter

Global Id: T0609700496  
Action Type: ENFORCEMENT  
Date: 04/30/2014  
Action: Staff Letter

Global Id: T0609700496  
Action Type: Other  
Date: 05/13/1998  
Action: Leak Stopped

Global Id: T0609700496  
Action Type: RESPONSE  
Date: 12/01/2012  
Action: Correspondence

**SONOMA CO. LUST:**

Region: SONOMA  
Regional Board: 1TSO701  
Closed or Referred: Y  
Confirm Date: 11/20/2015  
LOP Number: 00001087  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700496

**F30**  
**ESE**  
**1/4-1/2**  
**0.373 mi.**  
**1968 ft.**

**LOUISIANA PACIFIC KELLY GATE**  
**27821 DUTCHER CREEK ROAD**  
**CLOVERDALE, CA 95425**

**Site 1 of 2 in cluster F**

**LUST**  
**SLIC**  
**HIST CORTESE**

**S103817447**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**351 ft.**

**LUST:**  
Region: STATE  
Global Id: T0609700337  
Latitude: 38.777435  
Longitude: -123.005507

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA PACIFIC KELLY GATE (Continued)**

**S103817447**

Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 07/14/2011  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Worker: ZZZ  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1TSO474  
LOC Case Number: 00014527  
File Location: Regional Board  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Diesel, Polychlorinated biphenyls (PCBs), Other Insecticides /  
Pesticide / Fumigants / Herbicides, \* Solvents, Waste Oil / Motor /  
Hydraulic / Lubricating  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Contact:**

Global Id: T0609700337  
Contact Type: Regional Board Caseworker  
Contact Name: CLOSED BY SWRCB  
Organization Name: NORTH COAST RWQCB (REGION 1)  
Address: 5550 SKYLANE BOULEVARD, STE A  
City: SANTA ROSA  
Email: craig.hunt@waterboards.ca.gov  
Phone Number: Not reported

**Status History:**

Global Id: T0609700337  
Status: Completed - Case Closed  
Status Date: 07/14/2011  
  
Global Id: T0609700337  
Status: Open - Case Begin Date  
Status Date: 08/26/1991  
  
Global Id: T0609700337  
Status: Open - Site Assessment  
Status Date: 09/19/1991  
  
Global Id: T0609700337  
Status: Open - Site Assessment  
Status Date: 11/12/1991  
  
Global Id: T0609700337  
Status: Open - Site Assessment  
Status Date: 04/13/1992  
  
Global Id: T0609700337  
Status: Open - Site Assessment  
Status Date: 09/08/1992  
  
Global Id: T0609700337  
Status: Open - Site Assessment  
Status Date: 04/27/2001



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA PACIFIC KELLY GATE (Continued)**

**S103817447**

Regulatory Activities:

Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	07/29/2009
Action:	Meeting
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	02/22/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	06/14/2011
Action:	Closure/No Further Action Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	08/16/2011
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	11/29/2007
Action:	Petition Submitted for Review
Global Id:	T0609700337
Action Type:	Other
Date:	08/26/1991
Action:	Leak Reported
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	03/06/2007
Action:	Request for Closure
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	11/16/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	08/10/2011
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	04/13/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	09/04/2007
Action:	* No Action
Global Id:	T0609700337

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA PACIFIC KELLY GATE (Continued)**

**S103817447**

Action Type:	ENFORCEMENT
Date:	10/25/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	10/29/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	01/30/2007
Action:	File review
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	01/31/2007
Action:	File review
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Meeting
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	04/30/2007
Action:	* No Action
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	06/21/2011
Action:	Notification - Public Notice of Case Closure - #WQO 2011-0010
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	12/01/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	04/26/2007
Action:	Other Report / Document
Global Id:	T0609700337
Action Type:	REMEDIATION
Date:	10/01/1992
Action:	Excavation
Global Id:	T0609700337
Action Type:	REMEDIATION
Date:	09/26/1994
Action:	Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)
Global Id:	T0609700337
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA PACIFIC KELLY GATE (Continued)**

**S103817447**

Date:	05/29/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	03/06/2007
Action:	* No Action
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	05/07/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	09/19/1991
Action:	* Historical Enforcement
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	10/29/2007
Action:	* No Action
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	11/02/2004
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	05/22/2007
Action:	Meeting
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	03/23/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	Other
Date:	08/26/1991
Action:	Leak Discovery
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	02/02/2007
Action:	Staff Letter
Global Id:	T0609700337
Action Type:	ENFORCEMENT
Date:	09/07/2008
Action:	File review
Global Id:	T0609700337
Action Type:	RESPONSE
Date:	08/26/2011
Action:	Well Destruction Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOUISIANA PACIFIC KELLY GATE (Continued)**

**S103817447**

Global Id: T0609700337  
Action Type: RESPONSE  
Date: 08/26/2011  
Action: Well Destruction Report

Global Id: T0609700337  
Action Type: ENFORCEMENT  
Date: 07/06/2009  
Action: File review

Global Id: T0609700337  
Action Type: ENFORCEMENT  
Date: 06/30/2009  
Action: File review

Global Id: T0609700337  
Action Type: Other  
Date: 08/26/1991  
Action: Leak Stopped

Global Id: T0609700337  
Action Type: RESPONSE  
Date: 11/19/2004  
Action: Other Report / Document

**SLIC:**

Region: STATE  
**Facility Status:** **Completed - Case Closed**  
Status Date: 07/14/2011  
Global Id: SL0609790365  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Lead Agency Case Number: Not reported  
Latitude: 38.7767  
Longitude: -123.0048  
Case Type: Cleanup Program Site  
Case Worker: ZZZ  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1NSO474  
File Location: Regional Board  
Potential Media Affected: Aquifer used for drinking water supply  
Potential Contaminants of Concern: \* Solvents, Other Insecticides / Pesticide / Fumigants / Herbicides,  
Waste Oil / Motor / Hydraulic / Lubricating  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSO474

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**F31**  
**ESE**  
**1/4-1/2**  
**0.373 mi.**  
**1968 ft.**  
**Site 2 of 2 in cluster F**

**LUST**  
**SWEEPS UST**  
**S106247475**  
**N/A**

**Relative:**  
**Higher**

SONOMA CO. LUST:

Region: SONOMA  
Regional Board: 1TSO474  
Closed or Referred: Referred  
Confirm Date: 08/18/1999  
LOP Number: 00014527  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700337

**Actual:**  
**351 ft.**

SWEEPS UST:

Status: Not reported  
Comp Number: 14527  
Number: Not reported  
Board Of Equalization: 44-004957  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 49-000-014527-000001  
Tank Status: Not reported  
Capacity: 500  
Active Date: Not reported  
Tank Use: OIL  
STG: WASTE  
Content: WASTE OIL  
Number Of Tanks: 1

**32**  
**NNE**  
**1/4-1/2**  
**0.385 mi.**  
**2034 ft.**

**ASTI ROAD LANDFILL**  
**ASTI RD. AND SANTANA DR.**  
**CLOVERDALE, CA**

**SWF/LF**  
**S113473436**  
**N/A**

**Relative:**  
**Lower**

SWF/LF (SWIS):

Region: STATE  
Facility ID: 49-CR-0041  
Lat/Long: 38.7873 / -123.009  
Owner Name: City of Cloverdale  
Owner Telephone: 7078941723  
Owner Address: Karen Massey  
Owner Address2: 124 North Cloverdale Blvd.  
Owner City,St,Zip: Cloverdale, CA 95425  
Operational Status: Closed  
Operator: Not reported  
Operator Phone: Not reported  
Operator Address: Not reported  
Operator Address2: Not reported  
Operator City,St,Zip: Not reported  
Permit Date: Not reported  
Permit Status: Not reported  
Permitted Acreage: Not reported  
Activity: Solid Waste Disposal Site

**Actual:**  
**331 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASTI ROAD LANDFILL (Continued)**

**S113473436**

Regulation Status: Unpermitted  
Landuse Name: Residential,Agricultural  
GIS Source: Map  
Category: Disposal  
Unit Number: 01  
Inspection Frequency: Quarterly  
Accepted Waste: Not reported  
Closure Date: Not reported  
Closure Type: Not reported  
Disposal Acreage: Not reported  
SWIS Num: 49-CR-0041  
Waste Discharge Requirement Num: Not reported  
Program Type: Not reported  
Permitted Throughput with Units: Not reported  
Actual Throughput with Units: Not reported  
Permitted Capacity with Units: Not reported  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Not reported  
Lat/Long: 38.7873 / -123.009

33  
North  
1/4-1/2  
0.421 mi.  
2222 ft.

**ANNE MACK JOHNSON HOUSING COMPLEX**  
**1116 SOUTH CLOVERDALE BOULEVARD**  
**CLOVERDALE, CA 95425**

**Cortese S110984620**  
**ENF N/A**

**Relative:**  
**Higher**

**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: 02/01/2008  
Region 2: 1  
WID Id: 1B08048CSON  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported

**Actual:**  
**351 ft.**

**ENF:**  
Region: 1  
Facility Id: 715412  
Agency Name: Anne Mack Johnson Housing Complex  
Place Type: Residence/Education  
Place Subtype: Residence, NEC  
Facility Type: Not reported  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
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:	DISCHLND
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	1B08048CSON
Reg Measure Id:	343103
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:	09/24/2012
Effective Date:	02/01/2008
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):	381733
Region:	1
Order / Resolution Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/03/2011
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:	Anne Mack Johnson Housing Complex SEL
Description:	Not reported
Program:	DISCHLND
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	1
Facility Id:	715412
Agency Name:	Anne Mack Johnson Housing Complex
Place Type:	Residence/Education
Place Subtype:	Residence, NEC
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
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:	DISCHLND
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

WDID:	1B08048CSON
Reg Measure Id:	343103
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:	09/24/2012
Effective Date:	02/01/2008
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):	369010
Region:	1
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/21/2009
Adoption/Issuance Date:	07/21/2009
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Anne Mack Johnson Housing Complex NOV
Description:	Not reported
Program:	DISCHLND
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	1
Facility Id:	715412
Agency Name:	Anne Mack Johnson Housing Complex
Place Type:	Residence/Education
Place Subtype:	Residence, NEC
Facility Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
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:	DISCHLND
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	1B08048CSON
Reg Measure Id:	343103
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:	09/24/2012
Effective Date:	02/01/2008
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

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

Enforcement Id(EID):	352655
Region:	1
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/17/2008
Adoption/Issuance Date:	07/17/2008
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Anne Mack Johnson Housing Complex NOV
Description:	Not reported
Program:	DISCHLND
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	1
Facility Id:	715412
Agency Name:	Anne Mack Johnson Housing Complex
Place Type:	Residence/Education
Place Subtype:	Residence, NEC
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
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:	DISCHLND



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ANNE MACK JOHNSON HOUSING COMPLEX (Continued)**

**S110984620**

Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	1B08048CSON
Reg Measure Id:	343103
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:	09/24/2012
Effective Date:	02/01/2008
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):	343102
Region:	1
Order / Resolution Number:	R1-2008-0041
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/21/2008
Adoption/Issuance Date:	03/21/2008
Achieve Date:	Not reported
Termination Date:	03/27/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Anne Mack Johnson Housing Complex CAO
Description:	Rescinded by letter on 3/27/12.
Program:	DISCHLND
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34  
NNE  
1/4-1/2  
0.477 mi.  
2520 ft.

REUSER, INC.  
370 SANTANA  
CLOVERDALE, CA 95425

Relative:  
Lower

Actual:  
323 ft.

LUST  
SLIC  
AST  
SWEEPS UST  
CHMIRS  
CUPA Listings  
HIST CORTESE  
NPDES  
WDS

S102435829  
N/A

LUST:

Region: STATE  
Global Id: T0609700179  
Latitude: 38.7861157  
Longitude: -123.0087684  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 08/06/1992  
Lead Agency: NORTH COAST RWQCB (REGION 1)  
Case Worker: ZZZ  
Local Agency: SONOMA COUNTY LOP  
RB Case Number: 1TSO237  
LOC Case Number: 00001630  
File Location: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Diesel  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0609700179  
Contact Type: Regional Board Caseworker  
Contact Name: REGIONAL WATER BOARD SITE CLOSED  
Organization Name: NORTH COAST RWQCB (REGION 1)  
Address: 5550 SKYLANE BOULEVARD, SUITE A  
City: SANTA ROSA  
Email: craig.hunt@waterboards.ca.gov  
Phone Number: 7075762220

Status History:

Global Id: T0609700179  
Status: Completed - Case Closed  
Status Date: 08/06/1992

Global Id: T0609700179  
Status: Open - Case Begin Date  
Status Date: 11/30/1988

Global Id: T0609700179  
Status: Open - Remediation  
Status Date: 08/05/1992

Global Id: T0609700179  
Status: Open - Site Assessment  
Status Date: 11/30/1988

Global Id: T0609700179  
Status: Open - Site Assessment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

Status Date: 12/28/1988

Global Id: T0609700179  
Status: Open - Site Assessment  
Status Date: 12/18/1989

Global Id: T0609700179  
Status: Open - Site Assessment  
Status Date: 04/20/1990

Global Id: T0609700179  
Status: Open - Verification Monitoring  
Status Date: 08/05/1992

**Regulatory Activities:**

Global Id: T0609700179  
Action Type: ENFORCEMENT  
Date: 10/21/1992  
Action: \* Historical Enforcement

Global Id: T0609700179  
Action Type: Other  
Date: 11/30/1988  
Action: Leak Reported

Global Id: T0609700179  
Action Type: Other  
Date: 11/30/1988  
Action: Leak Discovery

Global Id: T0609700179  
Action Type: ENFORCEMENT  
Date: 12/13/2013  
Action: Technical Correspondence / Assistance / Other

Global Id: T0609700179  
Action Type: Other  
Date: 11/30/1988  
Action: Leak Stopped

**LUST REG 1:**

Region: 1  
Facility ID: 1TSO237  
Staff Initials: Closed

**SONOMA CO. LUST:**

Region: SONOMA  
Regional Board: 1TSO237  
Closed or Referred: Referred  
Confirm Date: 01/28/1992  
LOP Number: 00001630  
Staff: Not reported  
Decode of Staff: Not reported  
Global ID: T0609700179

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

SLIC REG 1:

Region: 1  
Facility ID: 1NSO237  
Staff Initials: AAA

AST:

Certified Unified Program Agencies: Not reported  
Owner: BRUCE REUSER  
Total Gallons: Not reported  
CERSID: 10136296  
Facility ID: 49-000-000484  
Business Name: REUSER, INC.  
Phone: 7078944224  
Fax: 7078942916  
Mailing Address: 370 SANTANA DRIVE  
Mailing Address City: CLOVERDALE  
Mailing Address State: CA  
Mailing Address Zip Code: 95425  
Operator Name: BRUCE REUSER  
Operator Phone: 7078944224  
Owner Phone: 7078944224  
Owner Mail Address: 370 SANTANA DRIVE  
Owner State: CA  
Owner Zip Code: 95425  
Owner Country: United States  
Property Owner Name: BRUCE REUSER  
Property Owner Phone: 7078944224  
Property Owner Mailing Address: 370 SANTANA DRIVE  
Property Owner City: CLOVERDALE  
Property Owner Stat : CA  
Property Owner Zip Code: 95425  
Property Owner Country: United States  
EPAID: CAL000050374

SWEEPS UST:

Status: Active  
Comp Number: 1630  
Number: 9  
Board Of Equalization: Not reported  
Referral Date: 03-31-89  
Action Date: Not reported  
Created Date: 03-31-89  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: Not reported

CHMIRS:

OES Incident Number: 9-0845  
OES notification: 02/23/1999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

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 Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Russian River
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Citizen
Incident Date:	2/16/199912:00:00 AM
Admin Agency:	Shasta County Environmental Health
Amount:	Not reported
Contained:	No
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Bark Tannon/Wood Chips
Gallons:	1
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

#2 Vessel >= 300 Tons: Not reported  
#3 Vessel >= 300 Tons: Not reported  
Evacs: Not reported  
Injuries: Not reported  
Fatales: Not reported  
Comments: Not reported  
Description: Bark Tannon and Wood Chips mixed nitrogen and iron, company is selling this material as landscape bark it has 1 gallon of this material per yard. Company is also illegally steam cleaning vehicles without a proper facility. Stockpiling approx 400,000 yards and is only permitted to store 20,000 yards. On Southeast corner of property there is a pipe which is being pumped into the river. This has been going on for sometime.

**CUPA SONOMA:**

Facility ID: 49-000-000484  
Permit: 484  
Type: Hazardous Waste  
HMBP: True  
UST: True  
HWG: True  
calarp: False  
AST: True  
HW Treatment: False  
Fee Schedule: SQG > 325 gallons/year to  
CERS ID: 10136296  
Expiration Date: 08/20/2011

Facility ID: 49-000-000484  
Permit: 484  
Type: HMBP  
HMBP: True  
UST: True  
HWG: True  
calarp: False  
AST: True  
HW Treatment: False  
Fee Schedule: Range 5  
CERS ID: 10136296  
Expiration Date: 08/20/2011

Facility ID: 49-000-000484  
Permit: 484  
Type: APSA  
HMBP: True  
UST: True  
HWG: True  
calarp: False  
AST: True  
HW Treatment: False  
Fee Schedule: Tier 3 Facility (> 1320 gallons, > 10000 gallons)  
CERS ID: 10136296  
Expiration Date: 08/20/2011



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

**HIST CORTESE:**

Region: CORTESE  
Facility County Code: 49  
Reg By: LTNKA  
Reg Id: 1TSO237

**NPDES:**

Npdes Number: CAS000001  
Facility Status: Active  
Agency Id: 0  
Region: 1  
Regulatory Measure Id: 178855  
Order No: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place Id: Not reported  
WDID: 1 49I011500  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 03/14/1995  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Reuser Inc  
Discharge Address: 370 Santana Dr  
Discharge City: Cloverdale  
Discharge State: California  
Discharge Zip: 95425  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

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:	178855
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	1 49I011500
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	3/14/1995
STATUS CODE NAME:	Active
STATUS DATE:	3/14/1995
PLACE SIZE:	10
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Merle Reuser
FACILITY CONTACT TITLE:	Vice President
FACILITY CONTACT PHONE:	707-431-1111
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	merle@reuserinc.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

OPERATOR NAME:	Reuser Inc
OPERATOR ADDRESS:	370 Santana Dr
OPERATOR CITY:	Cloverdale
OPERATOR STATE:	California
OPERATOR ZIP:	95425
OPERATOR CONTACT NAME:	Merle Reuser
OPERATOR CONTACT TITLE:	Vice President
OPERATOR CONTACT PHONE:	707-431-1111
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	merle@reuserinc.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:	707-431-1111
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Coyote Creek
CERTIFIER NAME:	Merle Reuser
CERTIFIER TITLE:	Vice President
CERTIFICATION DATE:	13-MAR-15
PRIMARY SIC:	2421-Sawmills and Planing Mills, General
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

**WDS:**

Facility ID:	1 49I011500
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:	BRUCE REUSER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REUSER, INC. (Continued)**

**S102435829**

Agency Name: REUSER INC.  
Agency Address: 370 SANTANA DR  
Agency City,St,Zip: CLOVERDALE 95425  
Agency Contact: BRUCE REUSER  
Agency Telephone: Not reported  
Agency Type: Private  
SIC Code: 2421  
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 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.

35  
NNE  
1/4-1/2  
0.490 mi.  
2587 ft.

**MASONITE CORPORATION**  
**1M SOUTH OF CLOVERDALE**  
**CLOVERDALE, CA 95425**

**SEMS-ARCHIVE 1000339183**  
**RCRA-SQG CAD981450331**

**Relative:**  
**Lower**

SEMS-ARCHIVE:  
Site ID: 904562  
EPA ID: CAD981450331  
Federal Facility: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**321 ft.**

**Following information was gathered from the prior CERCLIS update completed in 10/2013:**

Site ID: 0904562  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MASONITE CORPORATION (Continued)**

**1000339183**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288874.00000  
Person ID: 13003854.00000

Contact Sequence ID: 13294469.00000  
Person ID: 13003858.00000

Contact Sequence ID: 13300327.00000  
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 06/08/93  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 06/08/93  
Priority Level: Not reported

Action: DISCOVERY  
Date Started: / /  
Date Completed: 08/25/92  
Priority Level: Not reported

RCRA-SQG:

Date form received by agency: 09/01/1996  
Facility name: MASONITE CORP  
Facility address: HWY 101  
CLOVERDALE, CA 95425  
EPA ID: CAD981450331  
Mailing address: P O BOX 720  
UKIAH, CA 95482  
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: LOUISIANA PACIFIC CORP  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MASONITE CORPORATION (Continued)**

**1000339183**

Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (415) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 03/04/1986  
Site name: MASONITE CORP  
Classification: Large Quantity Generator

Violation Status: No violations found



Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLOVERDALE	S100833249	MASONITE CORPORATION	ROUTE 101	95425	CA BOND EXP. PLAN
CLOVERDALE	S107995212	CITY OF CLOVERDALE ROW	132 CLOVERDALE BLVD, S	95425	LUST
CLOVERDALE	S102432776	LOUISIANA-PACIFIC / KELLY RD	DUTCHER CREEK ROAD 27821		LUST
CLOVERDALE	S108936062	CLOVERDALE WOOD WASTE LANDFILL #2	KELLY ROAD, 1/2-MILE EAST OF H	95425	ENVIROSTOR
CLOVERDALE	S101482557	CLOVERDALE SAWMILL	KELLY ROAD, 1/2-MILE EAST OF H	95425	ENVIROSTOR

## 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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/08/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

##### **NPL Site Boundaries**

###### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

##### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

##### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	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: 05/30/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: N/A
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

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

#### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 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: 07/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Varies

#### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/21/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/30/2017
	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: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/08/2018
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/08/2018
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/08/2018
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/08/2018
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

### ***Federal institutional controls / engineering controls registries***

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017	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: 08/10/2017
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 08/30/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 12/11/2017
	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: 09/26/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## ***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/31/2017  
Date Data Arrived at EDR: 08/01/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 14

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 07/31/2017  
Date Data Arrived at EDR: 08/01/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 14

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Quarterly

## ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an 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: 08/14/2017  
Date Data Arrived at EDR: 08/17/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
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: 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: 06/12/2017

Date Data Arrived at EDR: 06/14/2017

Date Made Active in Reports: 08/22/2017

Number of Days to Update: 69

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

### LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001

Date Data Arrived at EDR: 04/23/2001

Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595

Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: No Update Planned

### LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005

Date Data Arrived at EDR: 02/15/2005

Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496

Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011

Data Release Frequency: Varies

### LUST REG 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

### LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016  
Date Data Arrived at EDR: 01/26/2017  
Date Made Active in Reports: 05/05/2017  
Number of Days to Update: 99

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 07/27/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016  
Date Data Arrived at EDR: 01/27/2017  
Date Made Active in Reports: 05/05/2017  
Number of Days to Update: 98

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 07/28/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-7439
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6271
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3372
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016	Source: EPA Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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: 06/12/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/23/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/25/2017
	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: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 07/14/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Varies

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/12/2017  
Date Data Arrived at EDR: 06/14/2017  
Date Made Active in Reports: 08/23/2017  
Number of Days to Update: 70

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
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: 09/25/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Quarterly

### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	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: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

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

#### 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: 09/25/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Varies

#### 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

#### 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: 07/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/01/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 08/01/2017
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/13/2017
	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: 06/27/2017  
Date Data Arrived at EDR: 06/28/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 85

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017  
Date Data Arrived at EDR: 06/20/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/20/2017  
Next Scheduled EDR Contact: 01/01/2018  
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: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: No Update Planned

#### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 09/11/2017  
Date Data Arrived at EDR: 09/12/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 9

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
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: 05/30/2017  
Date Data Arrived at EDR: 05/31/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 76

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 08/10/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/24/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: No Update Planned

### IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/29/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

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

#### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017  
Date Data Arrived at EDR: 03/08/2017  
Date Made Active in Reports: 06/09/2017  
Number of Days to Update: 93

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: No Update Planned

#### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

## 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: 07/31/2017  
Date Data Arrived at EDR: 08/01/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 14

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Quarterly

### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 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: 08/14/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Varies

### TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017  
Date Data Arrived at EDR: 03/08/2017  
Date Made Active in Reports: 06/09/2017  
Number of Days to Update: 93

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Quarterly

### **Local Lists of Registered Storage Tanks**

#### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

## 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: 06/02/2017  
Date Data Arrived at EDR: 06/06/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 80

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 08/24/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### Local Land Records

#### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/02/2017  
Date Data Arrived at EDR: 06/06/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 77

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Varies

#### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 07/26/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

#### DEED: Deed Restriction Listing

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/05/2017	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/06/2017	Telephone: 916-323-3400
Date Made Active in Reports: 08/10/2017	Last EDR Contact: 09/06/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Semi-Annually

### **Records of Emergency Release Reports**

#### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

#### **CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/26/2017	Telephone: 916-845-8400
Date Made Active in Reports: 09/21/2017	Last EDR Contact: 07/26/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

#### **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: 06/12/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/25/2017
	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: 06/12/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 08/22/2017	Last EDR Contact: 09/12/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/25/2017
	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  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/22/2013  
Number of Days to Update: 50

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### Other Ascertainable Records

#### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 12/12/2016  
Date Data Arrived at EDR: 12/28/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 44

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Varies

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 08/25/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 07/12/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Semi-Annually

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 07/14/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

## 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: 08/18/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017  
Date Data Arrived at EDR: 05/17/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 121

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
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: 08/07/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/24/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/22/2017  
Next Scheduled EDR Contact: 01/01/2018  
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: 12/31/2014  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 133

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/23/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/28/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Annually

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/08/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Annually

### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017  
Date Data Arrived at EDR: 02/09/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 57

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 07/24/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## 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: 08/08/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/20/2017
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	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: 07/28/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Quarterly

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	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: 08/01/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/20/2017
	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: 09/08/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	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: 09/08/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/12/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	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: 08/01/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
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: 09/21/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Biennially

### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 07/11/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Semi-Annually

### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016  
Date Data Arrived at EDR: 12/27/2016  
Date Made Active in Reports: 02/17/2017  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/22/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017  
Date Data Arrived at EDR: 06/09/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 98

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 07/07/2017  
Next Scheduled EDR Contact: 10/16/2017  
Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 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: 02/08/2017  
Date Data Arrived at EDR: 02/28/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/30/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Semi-Annually

### US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/01/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Varies

### US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 09/01/2017  
Next Scheduled EDR Contact: 12/11/2017  
Data Release Frequency: Varies

### ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017  
Date Data Arrived at EDR: 03/17/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 21

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 12/25/2017  
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: 07/23/2017  
Date Data Arrived at EDR: 09/06/2017  
Date Made Active in Reports: 09/15/2017  
Number of Days to Update: 9

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 09/06/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015  
Date Data Arrived at EDR: 01/29/2016  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 67

Source: Department of Defense  
Telephone: 571-373-0407  
Last EDR Contact: 07/17/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Varies

### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017  
Date Data Arrived at EDR: 03/21/2017  
Date Made Active in Reports: 05/12/2017  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 09/06/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/21/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/11/2017
	Data Release Frequency: Varies

### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017	Source: EPA
Date Data Arrived at EDR: 08/17/2017	Telephone: 800-385-6164
Date Made Active in Reports: 09/15/2017	Last EDR Contact: 08/17/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/04/2017
	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: 12/28/2016	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/28/2016	Telephone: 916-323-3400
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 09/21/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/01/2018
	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: 03/09/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 04/11/2017	Telephone: 916-327-4498
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 08/08/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/18/2017
	Data Release Frequency: Annually

### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015	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: 09/22/2017
Number of Days to Update: 147	Next Scheduled EDR Contact: 01/01/2018
	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: 05/01/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/03/2017	Telephone: 916-445-9379
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 08/18/2017
Number of Days to Update: 104	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

### Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 06/05/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/09/2017	Telephone: 916-255-3628
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 07/21/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Varies

### Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/16/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/19/2017	Telephone: 916-341-6066
Date Made Active in Reports: 08/15/2017	Last EDR Contact: 08/10/2017
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/27/2017
	Data Release Frequency: Varies

### HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/12/2016	Telephone: 916-255-1136
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 07/12/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Annually

### ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/22/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/24/2017	Telephone: 877-786-9427
Date Made Active in Reports: 08/18/2017	Last EDR Contact: 08/22/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

### HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	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: 05/22/2017  
Date Data Arrived at EDR: 05/24/2017  
Date Made Active in Reports: 08/18/2017  
Number of Days to Update: 86

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/22/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Quarterly

### HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017  
Date Data Arrived at EDR: 04/13/2017  
Date Made Active in Reports: 04/26/2017  
Number of Days to Update: 13

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 07/12/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Quarterly

### MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016  
Date Data Arrived at EDR: 09/14/2016  
Date Made Active in Reports: 10/14/2016  
Number of Days to Update: 30

Source: Department of Conservation  
Telephone: 916-322-1080  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Varies

### MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/25/2017  
Date Data Arrived at EDR: 06/06/2017  
Date Made Active in Reports: 08/23/2017  
Number of Days to Update: 78

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 09/06/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016  
Date Data Arrived at EDR: 11/15/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 107

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 08/17/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/05/2017  
Date Data Arrived at EDR: 06/07/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 79

Source: Department of Pesticide Regulation  
Telephone: 916-445-4038  
Last EDR Contact: 09/06/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/13/2017  
Date Data Arrived at EDR: 03/14/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 50

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Quarterly

### NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016  
Date Data Arrived at EDR: 12/22/2016  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 09/18/2017  
Next Scheduled EDR Contact: 01/01/2018  
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: 01/20/2017  
Date Data Arrived at EDR: 03/14/2017  
Date Made Active in Reports: 05/03/2017  
Number of Days to Update: 50

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 09/12/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Varies

### WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/23/2015  
Number of Days to Update: 67

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 07/14/2017  
Next Scheduled EDR Contact: 10/23/2017  
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: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Quarterly

### WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
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 Historic Gas Stations

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

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

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

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

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

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

## 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: 04/10/2017  
Date Data Arrived at EDR: 04/11/2017  
Date Made Active in Reports: 05/12/2017  
Number of Days to Update: 31

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 09/21/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Semi-Annually

##### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2017  
Date Data Arrived at EDR: 07/11/2017  
Date Made Active in Reports: 08/23/2017  
Number of Days to Update: 43

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 07/07/2017  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

##### CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2017  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 49

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
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: 09/18/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

#### CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 04/25/2017  
Date Data Arrived at EDR: 04/27/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 104

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 09/05/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

### COLUSA COUNTY:

#### CUPA Facility List Cupa facility list.

Date of Government Version: 02/23/2017  
Date Data Arrived at EDR: 02/24/2017  
Date Made Active in Reports: 05/12/2017  
Number of Days to Update: 77

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

### CONTRA COSTA COUNTY:

#### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2017  
Date Data Arrived at EDR: 05/30/2017  
Date Made Active in Reports: 07/27/2017  
Number of Days to Update: 58

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 07/31/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Semi-Annually

### DEL NORTE COUNTY:

#### CUPA Facility List Cupa Facility list

Date of Government Version: 05/02/2017  
Date Data Arrived at EDR: 05/04/2017  
Date Made Active in Reports: 08/04/2017  
Number of Days to Update: 92

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 07/27/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

### EL DORADO COUNTY:

#### CUPA Facility List CUPA facility list.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2017  
Date Data Arrived at EDR: 06/20/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 50

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 07/31/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Varies

### FRESNO COUNTY:

#### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2017  
Date Data Arrived at EDR: 07/05/2017  
Date Made Active in Reports: 08/04/2017  
Number of Days to Update: 30

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 09/27/2017  
Next Scheduled EDR Contact: 01/15/2018  
Data Release Frequency: Semi-Annually

### GLENN COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 05/25/2017  
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### HUMBOLDT COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017  
Date Data Arrived at EDR: 03/21/2017  
Date Made Active in Reports: 05/17/2017  
Number of Days to Update: 57

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Varies

### IMPERIAL COUNTY:

#### CUPA Facility List

Cupa facility list.

Date of Government Version: 04/24/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/04/2017  
Number of Days to Update: 101

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
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: 08/31/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/08/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 44

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Last EDR Contact: 08/03/2017

Next Scheduled EDR Contact: 11/20/2017

Data Release Frequency: Quarterly

### KINGS COUNTY:

#### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017

Date Data Arrived at EDR: 03/07/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 71

Source: Kings County Department of Public Health

Telephone: 559-584-1411

Last EDR Contact: 09/22/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### LAKE COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 05/09/2017

Date Data Arrived at EDR: 05/11/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 90

Source: Lake County Environmental Health

Telephone: 707-263-1164

Last EDR Contact: 07/17/2017

Next Scheduled EDR Contact: 10/30/2017

Data Release Frequency: Varies

### LASSEN COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 01/13/2017

Date Data Arrived at EDR: 04/25/2017

Date Made Active in Reports: 08/04/2017

Number of Days to Update: 101

Source: Lassen County Environmental Health

Telephone: 530-251-8528

Last EDR Contact: 07/21/2017

Next Scheduled EDR Contact: 11/08/2017

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: 09/18/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/18/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/18/2017  
Number of Days to Update: 115

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 07/07/2017  
Next Scheduled EDR Contact: 10/23/2017  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/17/2017  
Date Data Arrived at EDR: 07/18/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 65

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/18/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016  
Date Data Arrived at EDR: 01/26/2016  
Date Made Active in Reports: 03/22/2016  
Number of Days to Update: 56

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 07/13/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Varies

### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016  
Date Data Arrived at EDR: 04/06/2016  
Date Made Active in Reports: 06/13/2016  
Number of Days to Update: 68

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 07/17/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Annually

### City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017  
Date Data Arrived at EDR: 01/18/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 112

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 07/13/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Semi-Annually

### City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 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: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
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: 07/11/2017

Date Data Arrived at EDR: 07/14/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 69

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 07/07/2017

Next Scheduled EDR Contact: 10/23/2017

Data Release Frequency: Semi-Annually

### MADERA COUNTY:

#### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/01/2017

Date Data Arrived at EDR: 06/02/2017

Date Made Active in Reports: 08/04/2017

Number of Days to Update: 63

Source: Madera County Environmental Health

Telephone: 559-675-7823

Last EDR Contact: 08/21/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### MARIN COUNTY:

#### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/03/2017

Date Data Arrived at EDR: 09/06/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 15

Source: Public Works Department Waste Management

Telephone: 415-473-6647

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Semi-Annually

### MERCED COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 02/22/2017

Date Data Arrived at EDR: 02/23/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 83

Source: Merced County Environmental Health

Telephone: 209-381-1094

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### MONO COUNTY:

#### CUPA Facility List

CUPA Facility List

Date of Government Version: 02/21/2017

Date Data Arrived at EDR: 03/02/2017

Date Made Active in Reports: 05/17/2017

Number of Days to Update: 76

Source: Mono County Health Department

Telephone: 760-932-5580

Last EDR Contact: 08/08/2017

Next Scheduled EDR Contact: 12/11/2017

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: 06/22/2017

Date Data Arrived at EDR: 06/23/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 47

Source: Monterey County Health Department

Telephone: 831-796-1297

Last EDR Contact: 08/21/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### NAPA COUNTY:

#### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017

Date Data Arrived at EDR: 01/11/2017

Date Made Active in Reports: 03/02/2017

Number of Days to Update: 50

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: No Update Planned

#### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 05/31/2017

Date Data Arrived at EDR: 06/01/2017

Date Made Active in Reports: 08/25/2017

Number of Days to Update: 85

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

Data Release Frequency: No Update Planned

### NEVADA COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 05/08/2017

Date Data Arrived at EDR: 05/09/2017

Date Made Active in Reports: 08/09/2017

Number of Days to Update: 92

Source: Community Development Agency

Telephone: 530-265-1467

Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Varies

### ORANGE COUNTY:

#### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/03/2017

Date Data Arrived at EDR: 05/11/2017

Date Made Active in Reports: 08/18/2017

Number of Days to Update: 99

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 08/07/2017

Next Scheduled EDR Contact: 11/20/2017

Data Release Frequency: Annually

#### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/07/2017

Date Data Arrived at EDR: 08/11/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 41

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 08/07/2017

Next Scheduled EDR Contact: 11/20/2017

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: 08/07/2017  
Date Data Arrived at EDR: 08/09/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 43

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/09/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

### PLACER COUNTY:

#### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/02/2017  
Date Data Arrived at EDR: 06/06/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 77

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Semi-Annually

### PLUMAS COUNTY:

#### CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 06/19/2017  
Date Data Arrived at EDR: 07/05/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 35

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### RIVERSIDE COUNTY:

#### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/11/2017  
Date Data Arrived at EDR: 07/14/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 69

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 09/18/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: Quarterly

#### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/11/2017  
Date Data Arrived at EDR: 07/14/2017  
Date Made Active in Reports: 09/21/2017  
Number of Days to Update: 69

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 09/18/2017  
Next Scheduled EDR Contact: 01/01/2018  
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: 02/06/2017  
Date Data Arrived at EDR: 04/04/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 127

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/06/2017  
Next Scheduled EDR Contact: 10/16/2017  
Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/03/2017  
Date Data Arrived at EDR: 07/06/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 47

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 07/06/2017  
Next Scheduled EDR Contact: 10/16/2017  
Data Release Frequency: Quarterly

### SAN BENITO COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016  
Date Data Arrived at EDR: 02/09/2017  
Date Made Active in Reports: 05/25/2017  
Number of Days to Update: 105

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
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: 05/30/2017  
Date Data Arrived at EDR: 06/01/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 85

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 08/07/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

### SAN DIEGO COUNTY:

#### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/05/2017  
Date Data Arrived at EDR: 06/07/2017  
Date Made Active in Reports: 08/15/2017  
Number of Days to Update: 69

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 09/06/2017  
Next Scheduled EDR Contact: 12/18/2017  
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: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
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: 08/07/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

#### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/03/2017  
Date Data Arrived at EDR: 05/08/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 109

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 08/21/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

#### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017  
Date Data Arrived at EDR: 03/23/2017  
Date Made Active in Reports: 05/09/2017  
Number of Days to Update: 47

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 08/28/2017  
Next Scheduled EDR Contact: 01/01/2018  
Data Release Frequency: Semi-Annually

### SAN LUIS OBISPO COUNTY:

#### CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/05/2017  
Date Data Arrived at EDR: 06/16/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 54

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
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: 03/15/2017

Date Data Arrived at EDR: 04/07/2017

Date Made Active in Reports: 05/10/2017

Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Annually

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/15/2017

Date Data Arrived at EDR: 06/19/2017

Date Made Active in Reports: 08/22/2017

Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 09/07/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

#### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

### SANTA CLARA COUNTY:

#### Cupa Facility List

Cupa facility list

Date of Government Version: 02/22/2017

Date Data Arrived at EDR: 02/23/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 89

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 08/07/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: Varies

#### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

#### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 08/24/2017

Next Scheduled EDR Contact: 12/11/2017

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: 05/04/2017  
Date Data Arrived at EDR: 05/08/2017  
Date Made Active in Reports: 07/27/2017  
Number of Days to Update: 80

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
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: 80

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
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: 08/21/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: Varies

### SOLANO COUNTY:

#### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/20/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 63

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Quarterly

#### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 08/29/2017  
Number of Days to Update: 69

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### Cupa Facility List

Cupa Facility list

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 06/27/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 43

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/01/2018  
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: 07/05/2017  
Date Data Arrived at EDR: 07/06/2017  
Date Made Active in Reports: 08/22/2017  
Number of Days to Update: 47

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 09/25/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Quarterly

### STANISLAUS COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 05/10/2017  
Date Data Arrived at EDR: 05/16/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 85

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 07/17/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Varies

### SUTTER COUNTY:

#### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/02/2017  
Date Data Arrived at EDR: 06/06/2017  
Date Made Active in Reports: 08/25/2017  
Number of Days to Update: 80

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 08/31/2017  
Next Scheduled EDR Contact: 12/18/2017  
Data Release Frequency: Semi-Annually

### TEHAMA COUNTY:

#### CUPA Facility List

Cupa facilities

Date of Government Version: 05/01/2017  
Date Data Arrived at EDR: 05/08/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 93

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

### TRINITY COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 07/21/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### TULARE COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List

Cupa program facilities

Date of Government Version: 01/05/2017  
Date Data Arrived at EDR: 02/10/2017  
Date Made Active in Reports: 05/25/2017  
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 09/22/2017  
Next Scheduled EDR Contact: 11/20/2017  
Data Release Frequency: Varies

### TUOLUMNE COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 04/27/2017  
Date Data Arrived at EDR: 04/27/2017  
Date Made Active in Reports: 08/10/2017  
Number of Days to Update: 105

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Varies

### VENTURA COUNTY:

#### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016  
Date Data Arrived at EDR: 01/27/2017  
Date Made Active in Reports: 05/10/2017  
Number of Days to Update: 103

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/24/2017  
Next Scheduled EDR Contact: 11/08/2017  
Data Release Frequency: Quarterly

#### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/27/2017  
Next Scheduled EDR Contact: 01/15/2018  
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: 08/10/2017  
Next Scheduled EDR Contact: 11/27/2017  
Data Release Frequency: Quarterly

#### Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 01/24/2017  
Number of Days to Update: 89

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 07/24/2017  
Next Scheduled EDR Contact: 11/08/2017  
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: 08/28/2017

Date Data Arrived at EDR: 09/12/2017

Date Made Active in Reports: 09/21/2017

Number of Days to Update: 9

Source: Environmental Health Division

Telephone: 805-654-2813

Last EDR Contact: 09/12/2017

Next Scheduled EDR Contact: 12/25/2017

Data Release Frequency: Quarterly

### YOLO COUNTY:

#### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2017

Date Data Arrived at EDR: 07/05/2017

Date Made Active in Reports: 08/25/2017

Number of Days to Update: 51

Source: Yolo County Department of Health

Telephone: 530-666-8646

Last EDR Contact: 09/27/2017

Next Scheduled EDR Contact: 01/15/2018

Data Release Frequency: Annually

### YUBA COUNTY:

#### CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Varies

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

#### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 11/27/2017

Data Release Frequency: No Update Planned

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016

Date Data Arrived at EDR: 04/11/2017

Date Made Active in Reports: 07/27/2017

Number of Days to Update: 107

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 07/10/2017

Next Scheduled EDR Contact: 10/23/2017

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: 01/30/2017  
Date Data Arrived at EDR: 02/01/2017  
Date Made Active in Reports: 02/13/2017  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/03/2017  
Next Scheduled EDR Contact: 11/13/2017  
Data Release Frequency: Annually

### 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: 07/17/2017  
Next Scheduled EDR Contact: 10/30/2017  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/21/2017  
Next Scheduled EDR Contact: 12/04/2017  
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: 09/11/2017  
Next Scheduled EDR Contact: 12/25/2017  
Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

### Electric Power Transmission Line Data

Source: PennWell Corporation

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**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**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

PROPOSED RESIDENTIAL DEVELOPMENT PROPERTY  
28195 HWY 101  
CLOVERDALE, CA 95425

### **TARGET PROPERTY COORDINATES**

Latitude (North):	38.778366 - 38° 46' 42.12"
Longitude (West):	123.012956 - 123° 0' 46.64"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	498874.6
UTM Y (Meters):	4291974.5
Elevation:	344 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5609302 CLOVERDALE, CA
Version Date:	2012
Northeast Map:	5602416 ASTI, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

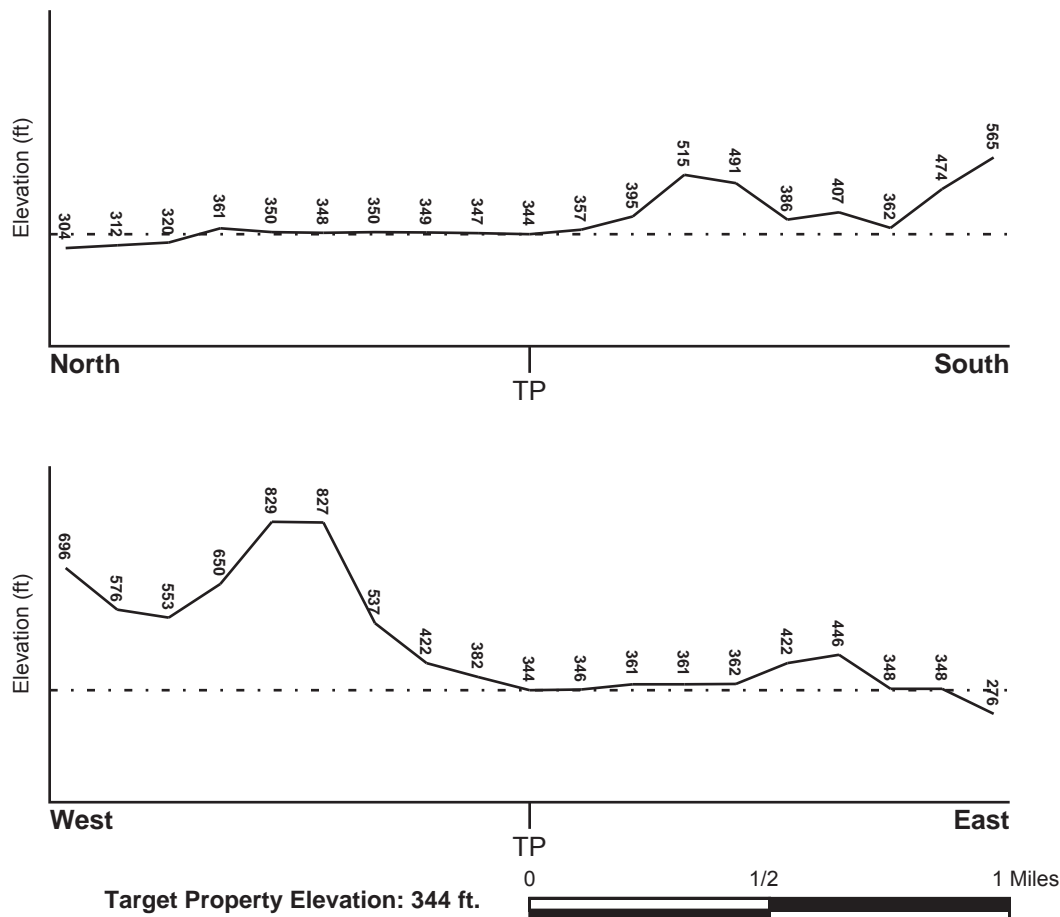
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06045C2050F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06097C0117E	FEMA FIRM Flood data
06097C0140E	FEMA FIRM Flood data

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	1/4 - 1/2 Mile NE	SE
A2	1/4 - 1/2 Mile NNE	Not Reported
A3	1/4 - 1/2 Mile NNE	Not Reported
B4	1/4 - 1/2 Mile East	Varies
B5	1/4 - 1/2 Mile East	Varies
7	1/2 - 1 Mile NNE	NE
1G	1/2 - 1 Mile NNE	NE

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2G	1/4 - 1/2 Mile NNE	Not Reported
3G	1/4 - 1/2 Mile NNE	Not Reported
4G	1/4 - 1/2 Mile NE	SE
5G	1/4 - 1/2 Mile East	Varies
6G	1/4 - 1/2 Mile East	Varies

For additional site information, refer to Physical Setting Source Map Findings.

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

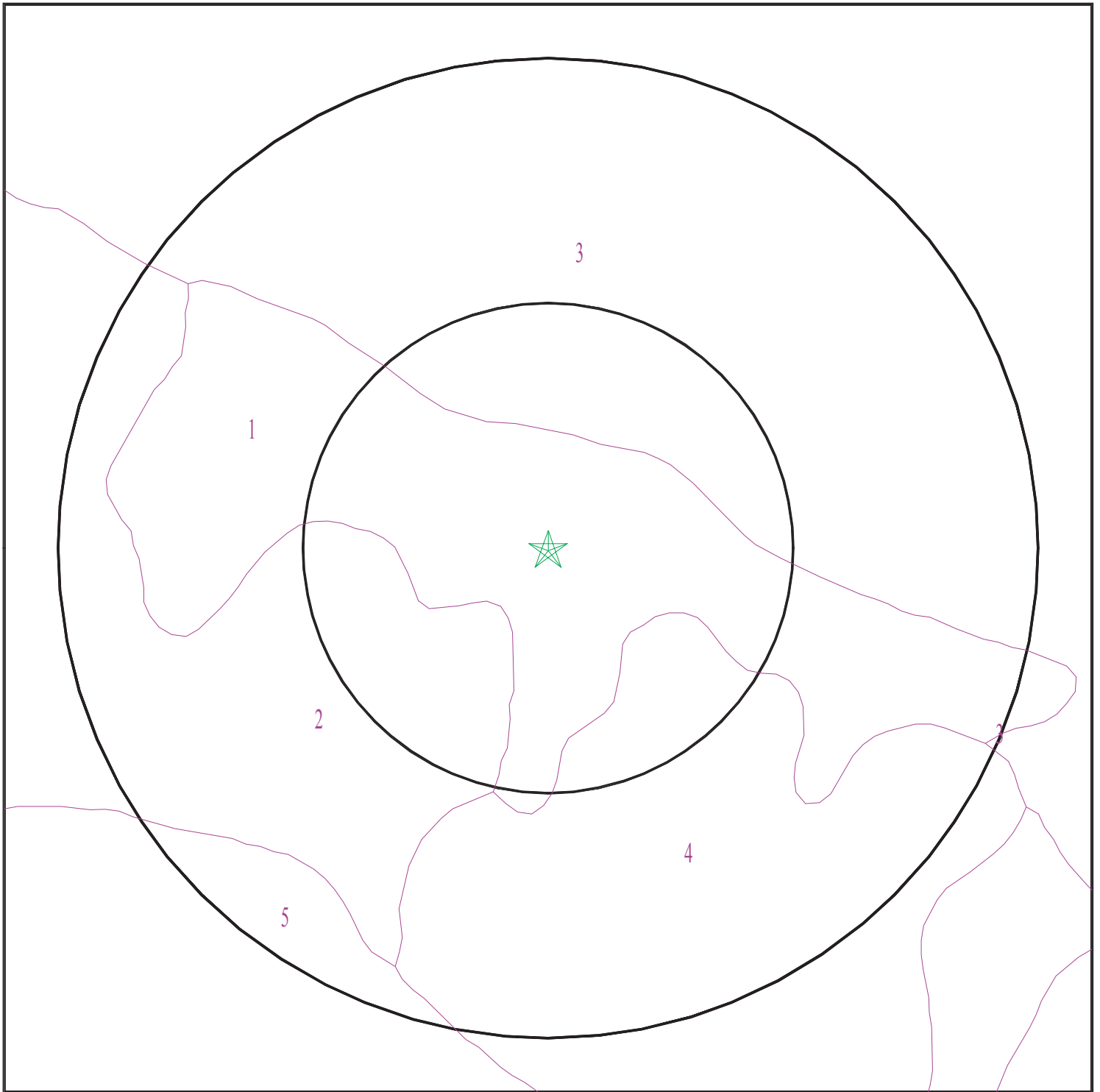
Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous
Code:	IK (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5066100.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Proposed Residential Development Property  
ADDRESS: 28195 Hwy 101  
Cloverdale CA 95425  
LAT/LONG: 38.778366 / 123.012956

CLIENT: Krazan & Associates, Inc.  
CONTACT: Bill Vick  
INQUIRY #: 5066100.2s  
DATE: October 02, 2017 8:21 pm



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

#### Soil Map ID: 1

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	38 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
2	38 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

#### Soil Map ID: 2

Soil Component Name: LAUGHLIN

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.6
2	3 inches	22 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 5.1
3	22 inches	25 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 3

Soil Component Name: POSITAS

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	7 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6 Min: 5.1
3	22 inches	46 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.1
4	46 inches	59 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6

### Soil Map ID: 4

Soil Component Name: SUTHER

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.6
2	3 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6 Min: 5.6
3	14 inches	35 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6 Min: 5.1
4	35 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 5

Soil Component Name: HENNEKE

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 38 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.8 Min: 6.6
2	5 inches	16 inches	very gravelly clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	16 inches	20 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
6	USGS40000190216	1/2 - 1 Mile North

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

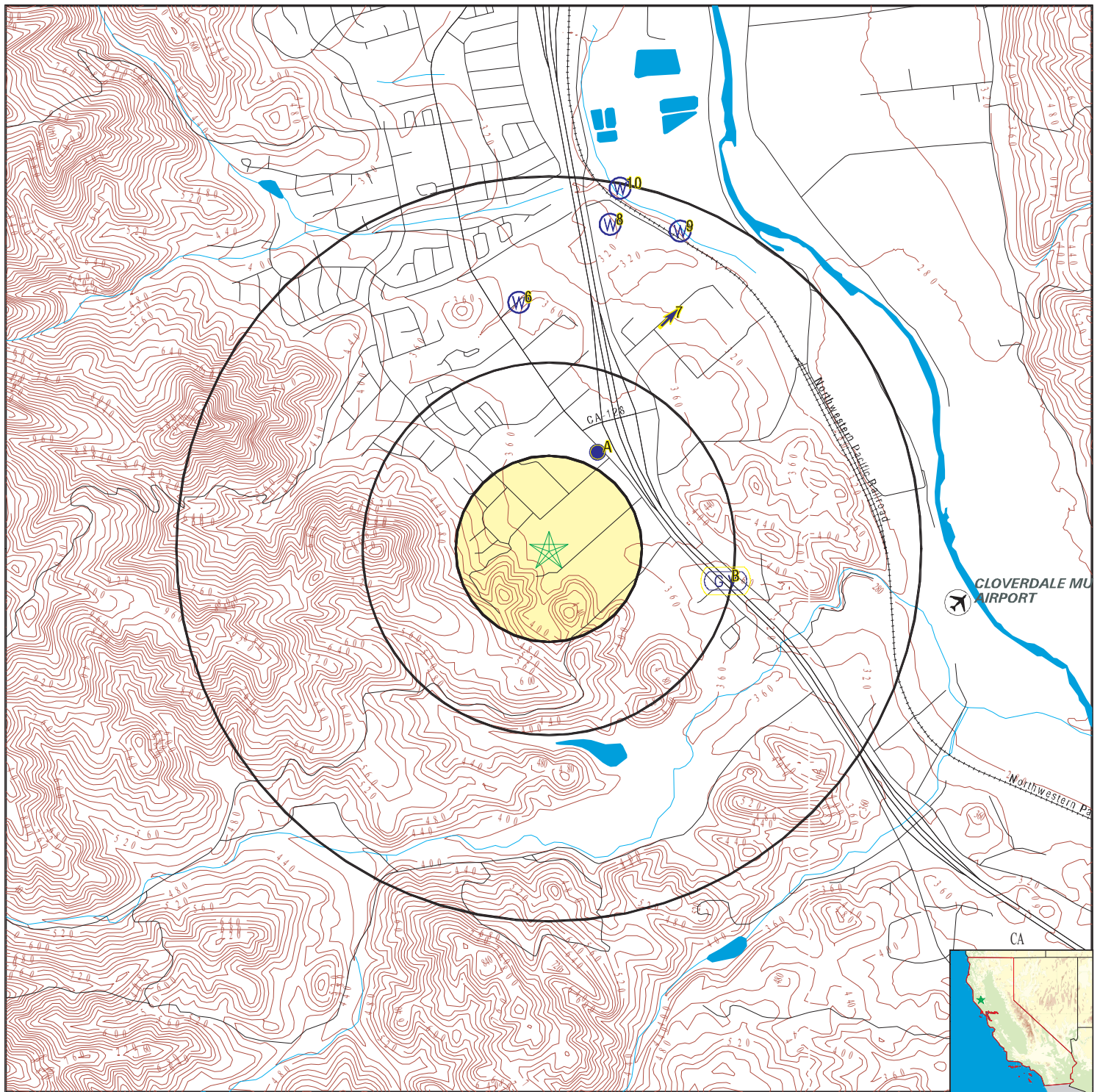
## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
8	CADW60000027281	1/2 - 1 Mile North
9	10422	1/2 - 1 Mile NNE
10	10420	1/2 - 1 Mile North



# PHYSICAL SETTING SOURCE MAP - 5066100.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Proposed Residential Development Property  
 ADDRESS: 28195 Hwy 101  
 Cloverdale CA 95425  
 LAT/LONG: 38.778366 / 123.012956

CLIENT: Krazan & Associates, Inc.  
 CONTACT: Bill Vick  
 INQUIRY #: 5066100.2s  
 DATE: October 02, 2017 8:20 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

<b>A1</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>54477</b>
<b>NE</b>	Groundwater Flow:	SE		
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	4		
<b>Higher</b>	Deep Water Depth:	5.5		
	Average Water Depth:	Not Reported		
	Date:	06/24/1991		

<b>A2</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>54524</b>
<b>NNE</b>	Groundwater Flow:	Not Reported		
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	Not Reported		
<b>Lower</b>	Deep Water Depth:	Not Reported		
	Average Water Depth:	6		
	Date:	03/04/1991		

<b>A3</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>54525</b>
<b>NNE</b>	Groundwater Flow:	Not Reported		
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	Not Reported		
<b>Lower</b>	Deep Water Depth:	Not Reported		
	Average Water Depth:	6		
	Date:	03/04/1991		

<b>B4</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>70340</b>
<b>East</b>	Groundwater Flow:	Varies		
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	1.57		
<b>Higher</b>	Deep Water Depth:	3.01		
	Average Water Depth:	Not Reported		
	Date:	05/19/1993		

<b>B5</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>70341</b>
<b>East</b>	Groundwater Flow:	Varies		
<b>1/4 - 1/2 Mile</b>	Shallow Water Depth:	1.57		
<b>Higher</b>	Deep Water Depth:	3.01		
	Average Water Depth:	Not Reported		
	Date:	05/19/1993		

<b>6</b>			<b>FED USGS</b>	<b>USGS40000190216</b>
<b>North</b>				
<b>1/2 - 1 Mile</b>				
<b>Lower</b>				

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-384717123004801		
Monloc name:	011N010W19F002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.7879632
Longitude:	-123.0144449	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	346
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19510720	Welldepth:	330
Welldepth units:	ft	Wellholedepth:	334
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 127

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-10-18	10.1		1983-04-12	4.8	
1982-10-05	10.5		1982-03-16	4.4	
1981-10-07	10.7		1981-03-25	4.5	
1980-10-08	11.1		1980-03-19	4.8	
1979-10-03	11.5		1979-04-03	4.6	
1978-10-04	10.4		1978-03-15	4.6	
1977-10-12	9.3		1977-03-10	6.6	
1976-10-05	9.3		1976-03-18	5.6	
1975-10-07	9.8		1975-03-26	4.5	
1974-10-09	8.9		1974-03-12	4.3	
1973-10-04	10.7		1973-03-19	9.6	
1972-10-11	10.6		1972-03-09	5.1	
1971-10-05	12.9		1971-03-11	5.7	
1970-10-07	13.8		1970-03-26	5.3	
1969-10-08	13.4		1969-03-19	5.1	
1966-08-23	12.5		1966-04-20	4.22	
1966-03-31	3.9		1966-03-01	3.39	
1966-01-18	3.45		1965-12-10	3.72	
1965-11-10	12.39		1965-09-21	11.14	
1965-08-18	9.7		1965-07-13	7.69	
1965-06-15	5.96		1965-05-17	4.41	
1965-04-14	3.55		1965-03-16	4.03	
1965-02-16	3.69		1965-01-19	3.43	
1964-12-15	4.71		1964-11-17	5.54	
1964-10-13	13.15		1964-09-15	17.32	
1964-08-18	11.19		1964-07-14	8.89	
1964-06-16	6.89		1964-05-12	5.29	
1964-04-14	4.27		1964-03-17	3.77	
1964-02-25	4		1964-01-15	3.27	
1963-12-19	3.2		1963-11-19	3.74	
1963-10-22	10.15		1963-09-16	10.24	
1963-08-12	8.28		1963-07-09	4.15	
1963-06-07	5.48		1963-05-14	3.3	
1963-04-17	0.55		1963-03-06	3.39	
1963-02-13	2.4		1962-12-04	5.46	
1962-10-10	13.11		1962-09-07	11.63	
1962-07-12	9.1		1962-06-12	6.9	
1962-05-10	4.82		1962-04-19	3.95	
1962-03-09	2.57		1962-02-13	1.83	
1962-01-12	3.7		1961-12-05	9.3	
1961-11-07	14.08		1961-10-04	13.32	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1961-09-06	12.27		1961-08-08	10.72	
1961-07-07	7.81		1961-06-08	5.36	
1961-05-03	3.9		1961-04-05	3.1	
1961-03-03	3.2		1961-02-03	2.6	
1961-01-06	3.7		1960-12-09	7.2	
1960-11-04	14		1960-10-07	13.5	
1960-09-07	12.5		1960-08-04	10.5	
1960-07-07	8.2		1960-06-02	5.4	
1960-05-05	4		1960-04-06	3.3	
1960-03-03	3.97		1960-02-09	3.7	
1960-01-09	13.5		1959-12-05	14.1	
1959-11-07	14.1		1959-10-10	13.6	
1959-09-02	13.3		1959-08-11	12.4	
1959-07-09	10.3		1959-06-03	7	
1959-05-12	4.3		1959-04-07	3.9	
1959-03-05	3.3		1959-02-03	3.7	
1959-01-07	11.8		1958-12-02	12.1	
1958-10-28	13		1958-10-02	12.36	
1958-03-12	3.1				
1954-10-29	0.00				
Note: Other conditions existed that would affect the measured water level.					
1954-08-11	18.36				
Note: The site had been pumped recently.					
1954-05-20	5.4		1954-04-01	3.05	
1953-10-30	0.00				
Note: The site was being pumped.					
1953-04-16	3.85				
1952-11-19	21.5				
Note: The site was being pumped.					
1952-04-03	3.61				

**7**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

Site ID: Not Reported  
Groundwater Flow: NE  
Shallow Water Depth: Not Reported  
Deep Water Depth: Not Reported  
Average Water Depth: Not Reported  
Date: 03/07/1991

**AQUIFLOW 70333**

**8**  
**North**  
**1/2 - 1 Mile**  
**Lower**

Objectid: 27281  
Latitude: 38.791  
Longitude: -123.0099  
Site code: 387910N1230099W001  
State well numbe: 11N10W19F002M  
Local well name: '11N10W19F002M'  
Well use id: 6  
Well use descrip: Unknown  
County id: 49  
County name: Sonoma

**CA WELLS CADW60000027281**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '1-54.02'  
Basin desc: Cloverdale Area  
Dwr region id: 80236  
Dwr region: North Central Region Office  
Site id: CADW60000027281

**9**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS 10422**

### Water System Information:

Prime Station Code:	11N/10W-20D01 M	User ID:	RXR
FRDS Number:	4900510001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	384727.0 1230019.0	Precision:	100 Feet (one Second)
Source Name:	WELL 01		
System Number:	4900510		
System Name:	South Cloverdale Water Company		
Organization That Operates System:	1295 S. CLOVERDALE BLVD CLOVERDALE, CA 95425		
Pop Served:	200	Connections:	39
Area Served:	Not Reported		

**10**  
**North**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS 10420**

### Water System Information:

Prime Station Code:	11N/10W-19A02 M	User ID:	RXR
FRDS Number:	4900608001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	384733.0 1230030.0	Precision:	100 Feet (one Second)
Source Name:	WELL 02		
System Number:	4900608		
System Name:	SIX ACRES WATER COMPANY		
Organization That Operates System:	99 LILE LANE CLOVERDALE, CA 95425		
Pop Served:	90	Connections:	22
Area Served:	Not Reported		
Sample Collected:	14-SEP-11	Findings:	570. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	14-SEP-11	Findings:	6.9
Chemical:	PH, LABORATORY		
Sample Collected:	14-SEP-11	Findings:	230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	14-SEP-11	Findings:	280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	14-SEP-11	Findings:	190. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>		
Sample Collected:	14-SEP-11	Findings:	32. MG/L
Chemical:	CALCIUM		
Sample Collected:	14-SEP-11	Findings:	28. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	14-SEP-11	Findings:	38. MG/L
Chemical:	SODIUM		
Sample Collected:	14-SEP-11	Findings:	28. MG/L
Chemical:	CHLORIDE		
Sample Collected:	14-SEP-11	Findings:	23. MG/L
Chemical:	SULFATE		
Sample Collected:	14-SEP-11	Findings:	0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	14-SEP-11	Findings:	220. UG/L
Chemical:	BARIUM		
Sample Collected:	14-SEP-11	Findings:	59. UG/L
Chemical:	ZINC		
Sample Collected:	14-SEP-11	Findings:	320. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	14-SEP-11	Findings:	5.8 MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		
Sample Collected:	14-SEP-11	Findings:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	29-SEP-11	Findings:	10. UNITS
Chemical:	COLOR		
Sample Collected:	29-SEP-11	Findings:	1.2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	29-SEP-11	Findings:	0.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	28-DEC-12	Findings:	28. MG/L
Chemical:	NITRATE (AS NO <sub>3</sub> )		

### 1G NNE 1/2 - 1 Mile Lower

Site ID:  
Groundwater Flow:  
Shallow Water Depth:  
Deep Water Depth:  
Average Water Depth:  
Date:

Not Reported  
NE  
Not Reported  
Not Reported  
Not Reported  
03/07/1991

**AQUIFLOW 70333**

### 2G NNE 1/4 - 1/2 Mile Lower

Site ID:  
Groundwater Flow:  
Shallow Water Depth:  
Deep Water Depth:  
Average Water Depth:  
Date:

Not Reported  
Not Reported  
Not Reported  
Not Reported  
6  
03/04/1991

**AQUIFLOW 54524**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

<b>3G</b> <b>NNE</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 6 03/04/1991	<b>AQUIFLOW</b>	<b>54525</b>
<b>4G</b> <b>NE</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SE 4 5.5 Not Reported 06/24/1991	<b>AQUIFLOW</b>	<b>54477</b>
<b>5G</b> <b>East</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 1.57 3.01 Not Reported 05/19/1993	<b>AQUIFLOW</b>	<b>70340</b>
<b>6G</b> <b>East</b> <b>1/4 - 1/2 Mile</b> <b>Lower</b>	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 1.57 3.01 Not Reported 05/19/1993	<b>AQUIFLOW</b>	<b>70341</b>

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: CA Radon

#### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95425	5	0

Federal EPA Radon Zone for SONOMA County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95425

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.467 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

### STREET AND ADDRESS INFORMATION

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## *Appendix G*





## SITE DEVELOPMENT ENGINEERS

### William H. Vick, Ph.D., REA

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#### Environmental Project Manager

##### AREAS OF EXPERTISE

Phase I Environmental Site Assessments  
Environmental Analytical Chemistry  
Pollutant Fate and Effects  
Site Characterization and Remediation  
Physical Characterization of Construction Materials  
Quality Assurance/Quality Control Programs

##### EDUCATION AND CERTIFICATIONS

Bachelor of Science in Molecular Biology  
University of Texas - Dallas  
Doctor of Philosophy in Environmental Sciences  
University of Texas - Dallas  
California Environmental Protection Agency  
Department of Toxic Substances Control  
Registered Environmental Assessor I No. 30165  
Asbestos Building Inspector, Certification No. 3370  
NICET Certified Construction Materials Testing  
CalTrans Certified Construction Materials Testing

##### PROFESSIONAL AFFILIATIONS

Member, American Society for Testing Materials

##### RELEVANT PROFESSIONAL EXPERIENCE

2002 to Present

###### **Senior Technical Staff, Krazan & Associates, Inc.**

Environmental project manager responsible for design, conduct, and management of site investigations, including Phase I Environmental Site Assessments using state-of-the-art research methods, and surface and subsurface contaminant characterization. Additional responsibilities include direction and management of construction materials testing laboratory, including data review, compliance evaluation, and quality assurance/quality control programs.

1981 to 1987

###### **Principal Investigator, Science Applications, Inc.**

Responsible for the design, conduct, and management of environmental research programs for government clients. In this capacity, primary responsibilities included design of multidisciplinary research programs in response to environmental issues of national scope, technical and financial management, design and implementation of project-specific quality assurance/quality control programs, statistical data evaluation/interpretation and report preparation. Representative research programs include development of an analytical chemistry procedure for ultra trace-level analysis of dioxin, investigation of the chronic toxicity of crude

oil to selected marine species, an evaluation of physical encapsulation techniques for remediation of dioxin contaminated soils, and participation in the remedial investigation/feasibility study of the Stringfellow NPL Superfund hazardous waste site.

1979 to 1981

**Graduate Research Assistant, University of Texas - Dallas**

Responsible for the design and conduct of an EPA-funded research program to assess the effectiveness of activated carbon for removal of trace-level organic pollutants from industrial wastewater. Conducted on-site, pilot-scale technology evaluation, characterized pollutant breakthrough profiles, and evaluated system monitoring techniques. Responsible for QA/QC program and for all data analysis and interpretation.

1977 to 1979

**Environmental Chemistry Analyst, Texas Instruments, Inc.**

Responsible for analysis of environmental samples for trace-level organic contaminants using mass spectrometry and gas chromatography. As senior analyst on evening shift, responsible for review, interpretation, and management of all data generated.

## **Art Farkas, R.E.A.**

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### **Vice President Environmental Division**

#### **AREAS OF EXPERTISE**

Project Management and Oversight  
Senior Quality Control Review  
Staff Development  
Information Management  
Marketing, Public Relations and Publicity

#### **EDUCATION AND ACCOMPLISHMENTS**

California Environmental Protection Agency  
Department of Toxic Substances Control  
Registered Environmental Assessor I No. 07818  
Bachelor of Electronic Engineering Technology,  
University of Dayton, Ohio  
CEQA Training: University of California Davis Extension  
NEPA Training: U.S. Department of Housing and Urban  
Development Region 9, San Francisco

### **PROFESSIONAL EXPERIENCE**

February 1998 to Present

#### **Vice President, Krazan & Associates, Inc., Environmental Division**

CEQA and NEPA project management specialist. Project Manager and senior quality control reviewer for Phase I and Phase II Environmental Site Assessments. Activities include division oversight, business development, regional coordination of technical services and delivery of efficient integrated site development engineering services in conjunction with the Geotechnical and Construction Testing and Inspection Divisions of the firm

Dec. 1994 to Feb. 1998

#### **Executive Director, Downtown Association of Fresno**

Responsibilities included management of business association for Central Business District of Fresno; Director of the Fresno Main Street Program; project operations and promotions management; policy formation, budgeting; marketing, public relations; publicity, fundraising and public speaking; management of 18-member Board of Directors for non-profit organization.

Apr. 1974 to Dec. 1994

#### **Operations Manager/Program Director/Air Personality: Radio Broadcasting**

1974 - 1980 KFIG	1981 - 1991 KKDJ
1980 - 1981 KIOY	1991 - 1994 KTHT

Responsibilities included operations management of staff and systems; program direction; on-air performance; production, promotions, public affairs and marketing.

## **F.2 - Phase II Soil Sampling Report**

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GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING  
CONSTRUCTION TESTING & INSPECTION

December 1, 2017

Project No. 034-17125

Mr. Justin Hardt  
Integrated Community Development  
21031 Ventura Boulevard, Suite 200  
Woodland Hills, California 91364  
[jhardt@icdemail.com](mailto:jhardt@icdemail.com)

RE: Report of Findings  
Phase II Limited Subsurface Assessment  
Proposed Residential Development Property  
South of Sandholm Lane and West of Cloverdale Boulevard  
APNs 117-040-053 & -084  
Cloverdale, California 95451

Dear Mr. Hardt:

Krazan & Associates, Inc. (Krazan) has conducted a Phase II Limited Subsurface Assessment (LSA) at the referenced property (subject site). The scope of work was based strictly upon October 6, 2017 telephone correspondence between Krazan and Mr. Justin Hardt with Integrated Community Development (Client) and the findings presented in Krazan's November 3, 2017 Phase I Environmental Site Assessment (ESA) report. The work was reportedly conducted in conjunction with a grant application and not by oversight of a regulatory agency.

## **SITE LOCATION AND DESCRIPTION**

The subject site is located approximately 700 feet southwest of Cloverdale Boulevard on the southeast side of Sandholm Lane within the City of Cloverdale, Sonoma County, California (Figure 1). The subject site is associated with addresses of 28195 Highway 101 and 28195 S. Redwood Highway and consists of two (2) parcels collectively measuring approximately 28.5 acres with the associated Sonoma County Assessor's Parcel Numbers (APNs) of 117-040-053 and -084. According to the United States Geological Survey (USGS), 7.5 minute Cloverdale, California topographic quadrangle map, dated 1960 photorevised 1975, the subject site is located within the southeastern half of Section 19, Township 11 North, Range 10 West, Mount Diablo Baseline and Meridian.

The subject site is currently developed with a rural residence which includes a 1,625-square-foot dwelling with a detached storage building, a canopy shop structure, two (2) sheds/barns, and a well house. The existing subject site dwelling was reportedly originally constructed in 1960/1961 and the easternmost barn has been located on the subject site since sometime prior to 1953. The remainder of the subject site consists of fallow agricultural land (eastern and central portions) and undeveloped forest land (western portion), with unpaved/gravel-paved roads present proximate to and between structures.



## BACKGROUND

According to the client, prior to grant application submission, chemical analysis was requested of on-site shallow soils for pesticides, herbicides and arsenic due to the historical use of the subject site property for agricultural purposes.

During the course of Krazan's November 3, 2017 Phase I ESA prepared for the subject site property, Krazan identified the following recognized environmental conditions (RECs), potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues in connection with the subject site:

### RECs

- According to records on file with the California Regional Water Quality Control Board (RWQCB), two (2) leaking underground storage tank (LUST) cases are associated with the 28181 Redwood Highway address which is located adjacent to the northwest of the access road which comprises the far eastern portion of the subject site. The earliest LUST case which is associated with the removal of two (2) 8,000-gallon fuel underground storage tanks (USTs) and one (1) 1,000-gallon fuel UST was granted closure and no further action status on November 7, 1995. The USTs associated with this LUST case were located approximately 215 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. According to the case closure summary dated November 14, 1994, subsurface soil and groundwater samples were collected and four groundwater monitoring wells were installed. Groundwater was reported to have been first encountered at depths of one (1) to seven (7) feet below ground surface (bgs) and the groundwater flow direction was reported to have been south-southwest to south-southeast, placing the former USTs hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Remediation included excavation and off-site disposal of 750 cubic yards of impacted/potentially impacted soil and the removal of groundwater from the base of the UST excavation pit. Review of the maximum documented contaminant concentrations in soil and groundwater before and after cleanup revealed that a relatively minor subsurface impact existed before and after cleanup. Analysis of groundwater from the base of the excavation for gasoline-range total petroleum hydrocarbons (TPH-g), diesel-range total petroleum hydrocarbons (TPH-d), and benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents reported only TPH-d and xylenes to be present before the cleanup (73 micrograms per liter (µg/l) and 63 µg/l, respectively), and none of the constituents of concern (COCs) were reportedly detected following the cleanup. Additionally, analysis of groundwater samples collected from a monitoring well located between the subject site and the former fuel USTs in April 1991 did not reveal any of the COCs to be present above their respective laboratory reporting limits (RLs). Based on the removal of the contaminant source, the relatively minor subsurface impact, the reported absence of a detectable groundwater impact after cleanup, the absence of a groundwater impact in April 1991 at a well located downgradient of the release and upgradient of the subject site, and the location of the former USTs 215 feet distant, there is no evidence to suggest that these three (3) former fuel USTs previously located at this site currently represent an environmental concern in connection with the subject site.

A portion of the former Jet Trucking facility was recently redeveloped with a fueling station by Renner Petroleum, which according to a County of Sonoma Fire & Emergency Services Department (CSFESD) representative, is currently compliant with UST installation, operation and monitoring requirements. However, during the late-2015/2016 Renner Petroleum fueling station redevelopment, two (2) additional USTs were discovered presumed to have been associated with the former Jet Trucking facility, including a 750-gallon single-wall steel UST containing waste oil and a 1,100-gallon single-wall steel diesel fuel UST. Holes were observed in both USTs at the time of removal and soil samples were collected from beneath each end of both USTs. Records on file with the RWQCB indicate that the waste oil and diesel fuel UST were located

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approximately 105 feet to the northwest of the closest subject site boundary and generally to the north of the subject site. As with the closed LUSTs discussed previously, these two (2) former USTs are located hydraulically upgradient of the access road which comprises the far eastern portion of the subject site. Analysis of soil samples collected from beneath the waste oil UST reported maximum concentrations of TPH-g at 13 milligrams per kilogram (mg/kg), motor oil-range total petroleum hydrocarbons (TPH-mo) at 96 mg/kg, TPH-d at 660 mg/kg, and oil and grease at 930 mg/kg. No other volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or polychlorinated biphenyls (PCBs) were reported in any of the samples analyzed above laboratory RLs. Following over-excavation of the UST pit and sampling at 12 feet bgs, maximum soil concentrations reported TPH-d at 2.2 mg/kg and not detected (ND) above laboratory RLs for TPH-mo, suggesting that over-excavation successfully removed petroleum hydrocarbon constituent (PHC)-impacted soil from the waste oil UST location. Analytical results for the soil samples collected from beneath the diesel UST reported maximum concentrations of TPH-d at 66 mg/kg and BTEX constituents at 0.6 mg/kg (benzene) to 28.8 mg/kg (xylenes). Based on this data, the consultant requested that a case closure and no further action status be granted in correspondence dated January 29, 2016, although groundwater or soil vapor do not appear to have been sampled in connection with the late-2015/early-2016 investigation.

Case closure was not granted by the oversight agencies, and this LUST site was placed in the Sonoma County Department of Health Services – Environmental Health & Safety Division (SCEHSD) Local Oversight Program (LOP). The SCEHSD has requested submission of a work plan for a preliminary site assessment from MLRX2, LLC and Chevron, the apparent responsible parties for the former USTs. The requested work plan was due to the SCEHSD for review by November 8, 2017, and will presumably include an assessment of current groundwater and possibly soil vapor conditions. Given the reported very shallow depth to groundwater and the apparent absence of any groundwater or soil vapor assessment in association with the documented releases from the 750-gallon waste oil UST and the 1,100-gallon diesel fuel UST, coupled with the location of these former USTs hydraulically upgradient of the far eastern portion of the subject site property and approximately 105 feet distant, the potential exists for a release(s) from these former USTs to have migrated downgradient with groundwater flow and impacted the subsurface of the far eastern portion of the subject site property. Consequently, the condition of the subsurface of the subject site in this location is unknown.

### **PAOCs**

- Review of historical aerial photographs and/or information obtained from representatives of the owner of the subject site indicate that the subject site was utilized for the cultivation of hay, prunes, and possibly other crops from at least 1953 until at least 2014. Additionally, a representative of the owner of the subject site indicated that imported soil from an apple orchard is located in the cultivated portion of the subject site. Based on the timeframe in which the subject site was cultivated and the reported presence of imported orchard soil, the potential exists that environmentally persistent pesticides and/or herbicides were historically applied to the crops located on the subject site and/or to the imported orchard soil reportedly located on site. Consequently, given the potential use of environmentally persistent pesticides/herbicides, the agricultural use of the subject site for an extended period of time, the presence of imported orchard soil, and the planned redevelopment of the subject site for residential purposes, assessment of surficial soils for residues of environmentally persistent pesticides/herbicides was considered to be prudent.

### **ASTM Non-Scope Issues**

- The dwelling located on the subject site property was apparently originally constructed in approximately 1960/1961. It is unknown if the on-site structures contain asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or LBP survey and sampling of the on-site structures were not included within the scope of this assessment. However, based on the apparent date of construction of the dwelling, ACMs and LBP may be present at the subject site. During Krazan's October 20, 2017 site reconnaissance, no damaged building materials or friable suspect ACMs which appeared to be posing a health hazard were noted in the on-site dwelling. Furthermore, no evidence of significant peeling paint was observed in association with the accessible portions of the on-site dwelling. Prior to the disturbance of any of the suspect ACMs or LBP at this property via renovation or demolition, a comprehensive asbestos and LBP survey designed to determine if the suspect ACM and LBP are regulated materials is recommended. If such materials are identified and need to be disturbed, repaired, or removed, a licensed abatement contractor should be consulted. Suspect ACMs and LBP can also be managed through the use of an Operations and Maintenance (O&M) plan.

### **Site Development Issues**

- During Krazan's site reconnaissance, a water well no longer in use was observed in the southeastern portion of the subject site, and a representative of the subject owner, Mr. Baumgardner, stated that dwelling located in the western portion of the subject site is connected to an adjacent on-site septic system. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported/presumed use for domestic purposes only. If the water well and/or septic system are not to be used in the planned redevelopment of the subject site, they should be properly abandoned/closed or destroyed in accordance with State and local guidelines.

Additionally, Mr. Baumgardner stated that an agricultural water well was previously located in the central-southern portion of the subject site 75 feet to the north of the tractor shed. Mr. Baumgardner stated that this agricultural water well was a hand-dug well which was properly filled with gravel/sand/soil such that its former location is no longer discernable. If it is discovered during the planned redevelopment of the subject site that the hand-dug well was not properly destroyed, the well should be properly destroyed in accordance with State and local guidelines.

### **PURPOSE**

The purpose of this Phase II LSA was to assess the presence or absence of potentially elevated concentrations of organochlorine pesticides (OCPs), chlorinated herbicides (CHs) and arsenic in shallow soils located on the 16-acre portion of the subject site property historically utilized for agricultural cultivation, to assess the presence or absence of significant concentrations of VOCs in soil vapor and to assess the presence or absence of PHCs, VOCs and lead in groundwater beneath the subject site property adjacent to the south of the previously referenced LUST site.

The scope of work to address the ASTM Non-Scope and Site Development Issues referenced in the Phase I ESA report were not included within the scope of work for this project.

**SCOPE OF WORK** (Please refer to Figure 2 and Figure 3 for referenced locations.)**General Activities**

- A site specific health and safety plan (HASP) was prepared, including appropriate level of personal protection equipment (PPE) for Krazan personnel, to cover field activities.
- Underground Service Alert (USA North) was notified, as required by law, so the member utility companies could mark their facilities within pertinent public rights-of-way and utility easements prior to our proceeding with the subsurface exploration and sampling program. A copy of the USA North “dig” ticket is provided in Appendix A.
- Site safety protocol was followed, including the appropriate level of PPE, and a proper exclusion zone was maintained around the work area.
- Industry standard methods and protocols for sample collection, sampling equipment decontamination, sample storage, transport, hold times, chain-of-custody, etc., were implemented.
- An attempt was made to collect the soil samples utilizing a hand-held soil probe lined with laboratory-grade stainless-steel sleeves. A shovel was utilized to excavate to approximately six (6) inches bgs and a soil probe lined with a stainless-steel sleeve was advanced/driven approximately six (6) inches into the subsurface of the subject site utilizing a sledge hammer, collecting a soil sample from approximately six (6) inches to one (1) foot bgs. However, due to the gravelly, high-dry-strength clayey soils, retaining a sample inside the sleeve was not possible at all the locations. In locations where soil sample collection utilizing the hand-held soil probe was not conducive, a shallow soil grab sample was collected from approximately six (6) inches to one (1) foot bgs utilizing a shovel. Subsequent to sample collection, Teflon film and a plastic end cap were placed on both ends of the stainless-steel sleeves and the soil sample was labeled.
- Soil borings were advanced utilizing a truck-mounted drill rig and hollow-stem auger.
- Soil boring logs were completed in the field during drilling operations. The soils encountered were continuously examined and visually classified in accordance with the Unified Soil Classification System. Evidence of contamination, if any, was recorded on the soil boring logs.
- Field screening utilizing a photoionization detector (PID) was conducted to evaluate soil samples for the presence/absence of volatile constituents of concern (COCs) during sample collection and results were recorded on the soil boring log.
- The soil samples were immediately placed in an iced chest, labeled on a chain-of-custody form and transferred overnight under chain-of-custody protocol to a State-approved laboratory for laboratory analysis.
- Soil vapor wells were installed utilizing direct-push drilling methods.
- Soil vapor wells were constructed with 1/4-inch outside diameter Teflon® tubing connected to a porous vapor probe tip and end cap. The probe tip was placed in the middle of a one-foot-thick sand pack. Approximately one (1) foot of granular dry bentonite was placed on top of the sand pack and the remainder of the soil vapor well was backfilled with hydrated bentonite.
- Each soil vapor well was allowed to equilibrate for at least two (2) hours before purging. Approximately three (3) purge volumes were removed from each soil vapor well at an approximate rate of 150 milliliters per minute (ml/min).

- Subsequent to purging, a soil vapor sample was collected from each soil vapor well using laboratory prepared 1-liter Summa canisters. The Summa canisters were fitted with laboratory regulators calibrated not to exceed a sample rate of 150 ml/min. 1,1-difluoroethane (DFE) was used as the leak detection compound.
- Soil vapor samples were collected in batch-laboratory-grade containers. Subsequent to sampling, the soil vapor samples were labeled and identified on a chain-of-custody and transferred overnight to a State-approved analytical laboratory under chain-of-custody protocol for laboratory analysis.
- Grab-groundwater samples were collected utilizing a disposable bailer and laboratory-supplied containers. Subsequent to collection, the grab-groundwater samples were labeled and immediately placed in an iced chest.
- The grab-groundwater samples were labeled on a chain-of-custody form and transferred overnight under chain-of-custody protocol to a State-approved laboratory for laboratory analysis.
- COCs investigated during the course of this assessment and their respective analytical methods included the following:
  - OCPs by EPA Test Method 8081A;
  - CHs by EPA Test Method 8151;
  - Arsenic by EPA Test Method 6010B;
  - Total petroleum hydrocarbons – carbon chain (TPH-cc) by EPA Test Method 8015B;
  - VOCs by EPA Test Method 8260B; and,
  - VOCs in soil vapor by EPA Test Method TO-15.

### **Shallow Soil Sampling**

#### **Organochlorine Pesticides and Herbicides**

- On October 18, 2017, 13 discrete soil samples (S-1 through S-13) were collected from the subject site property and submitted for laboratory analysis.
- Soil samples S-1, S-2 and S-3, soil samples S-4, S-5 and S-6, soil samples S-7, S-8 and S-9, and soil samples S-10, S-11, S-12, and S-13 were laboratory composited into composite soil samples COMP-1, COMP-2, COMP-3, and COMP-4, respectively.
- Each composite soil sample was analyzed for OCPs and CHs.

#### **Arsenic**

- On October 18, 2017, seven (7) discrete soil samples (A-1 through A-7) were collected from the subject site and submitted for laboratory analysis for arsenic.

### **Soil Vapor Sampling**

- On November 1, 2017, soil vapor wells (SV-1 through SV-6) were installed within the fallow agricultural land portion of the subject site.
- On November 1, 2017, one (1) soil vapor sample was collected from each of the soil vapor wells SV-1 through SV-6 and submitted for laboratory analysis for VOCs.
- On November 2, 2017, soil vapor wells SV-7 and SV-8 were installed in the gravelly driveway occupying the easternmost portion of the subject site property.
- On November 2, 2017, one (1) soil vapor sample was collected from each of the soil vapor wells SV-7 and SV-8 and submitted for laboratory analysis for VOCs.

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### **Groundwater Sampling**

- On November 2, 2017, soil borings B1 and B2 were advanced within the gravelly driveway occupying the easternmost portion of the subject site property to a depth of 23 and 27 feet, respectively. Both soil borings were terminated due to auger refusal in bedrock.
- On November 2, 2017, one (1) grab-groundwater sample was collected from each of the soil borings and submitted for laboratory analysis for TPH-cc, VOCs and lead.

### **APPLICABLE REGULATORY AGENCY REFERENCES**

Krazan's evaluation of the results and findings associated with the soil sampling included referencing the November 2007 (Revised February 2016) San Francisco Regional Water Quality Control Board's (SFRWQCB) environmental screening levels (ESLs) referenced in the technical document titled, *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*.

According to the RWQCB's 2007 document, ESLs are considered to be conservative. Under most circumstances and within limits described by the RWQCB, the presence of a chemical in soil, soil-vapor or groundwater at concentrations below the corresponding ESL (Residential Exposure or Commercial/Industrial Exposure) for the respective constituent can be assumed not to pose a significant, long-term (chronic) threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding ESL. Active remediation may or may not be required, however, depending on site-specific conditions and considerations. As stated by the RWQCB, the ESL document may be especially beneficial for use at sites with limited impacts, where the preparation of a formal environmental assessment may not be warranted or feasible due to time and cost constraints.

### **REPORT OF FINDINGS**

#### **General Field Observations**

- Based on our findings, the subsurface conditions encountered appear typical of those found in the geologic region of the subject site. In general, approximately one (1) foot of sandy gravel fill was encountered within soil boring B1 and approximately three (3) feet of clayey sand fill was encountered within soil boring B2. Below the fill material within soil boring B1, approximately 1.5 feet of medium dense clayey sand was encountered and within soil boring B2, approximately 9.5 feet of stiff sandy clay or dense clayey gravel were encountered. Below approximately 2.5 to 12.5 feet, very dense moderately weathered serpentine bedrock was encountered which extended to the termination depth of the soil borings. A copy of the soil boring logs is provided in Appendix B.
- The soil borings were checked for the presence of groundwater during and immediately following drilling operations. Free groundwater was not encountered during drilling operations. Several hours after drilling operations, free groundwater was encountered at 20.71 feet and 18.24 feet bgs in soil borings B1 and B2, respectively. The soil borings were backfilled according to SCEHSD standards prior to groundwater reaching static equilibrium.

#### **Analytical Results**

The laboratory analytical reports are presented in Appendix B.



### **Shallow Soil Sampling**

- Analytical results for the soil samples submitted for laboratory analysis for OCPs and CHs were reported as ND above laboratory RLs.
- Analytical results for the soil samples submitted for laboratory analysis for arsenic reported various concentrations of arsenic ranging from 3.93 to 13.0 mg/kg as shown on Table I. All of the reported concentrations of arsenic exceed the Residential ESL for arsenic of 0.067 mg/kg; however, the reported concentrations appear to be within naturally occurring background concentrations for arsenic in the geologic region of the subject site.

### **Soil Vapor Sampling**

- Analytical results for the soil vapor samples submitted for laboratory analysis for VOCs reported various concentrations of several VOCs as shown on Table II. However, only the concentration of benzene reported in soil vapor sample SV-7 at 70 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) and the concentration of chloroform reported in soil vapor sample SV-8 at  $86 \mu\text{g}/\text{m}^3$  exceed the Residential ESL for benzene of  $48 \mu\text{g}/\text{m}^3$  and chloroform of  $61 \mu\text{g}/\text{m}^3$ .

### **Groundwater Sampling**

- Analytical results for the grab-groundwater samples submitted for laboratory analysis for TPH-cc and VOCs were reported as ND above laboratory RLs.
- Analytical results for the grab-groundwater samples submitted for laboratory analysis for lead had reported concentrations of 700  $\mu\text{g}/\text{l}$  for grab-groundwater sample B1 and 95  $\mu\text{g}/\text{l}$  for grab-groundwater sample B2 as shown on Table III. Both of the reported lead concentrations exceed the SFRWQCB Final Risk Based Screening Level (FRBSL) and the SFRWQCB Final Maximum Contaminant Level Priority Screening Level (MCL) of 0.2  $\mu\text{g}/\text{l}$  and 15  $\mu\text{g}/\text{l}$ , respectively.

## **CONCLUSIONS AND RECOMMENDATIONS**

### **Shallow Soil**

Based upon the findings in the field and the laboratory analytical reports for the soil samples collected and analyzed from the subject site during this investigation, no evidence of a known significant impact (based on a comparison with established regulatory screening levels) was identified with respect to concentrations of organochlorine pesticides, chlorinated herbicides and arsenic in shallow on-site soils within the fallow agricultural portion of the subject site property associated with the historical use of the subject site property for agricultural purposes.

### **Soil Vapor**

Based upon the findings in the field and the laboratory analytical reports for the soil vapor samples collected and analyzed from the subject site during this investigation, no evidence of a known significant impact (based on a comparison with established regulatory screening levels) was identified with respect to concentrations of volatile organic compounds in shallow soil vapor in the area of the proposed residential buildings in the central-northern portion of the subject site or in the eastern area along the north-south border of the subject site adjacent to the reported LUSTs off-site toward the east. Elevated concentrations of benzene and chloroform were reported in shallow soil vapor beneath the easternmost portion of the subject site property along the gravelly driveway; however, it is understood that development of habitable structures is not proposed within this portion of the subject site property and the reported elevated concentrations do not appear to have migrated horizontally toward the area of the proposed residential buildings in the central-northern portion of the subject site.

## **Groundwater**

Based upon the findings in the field and the laboratory analytical reports for the two (2) groundwater samples collected and analyzed during this investigation from within the easternmost portion of the subject site property along the gravelly driveway hydraulically downgradient from the northern-adjacent reported LUST site, no evidence of a known significant impact (based on a comparison with established regulatory screening levels) was identified with respect to concentrations of total petroleum hydrocarbons and volatile organic compounds. However, elevated concentrations of lead were reported in both groundwater samples.

As previously discussed, a leaking waste oil UST and UST containing diesel were removed from the property adjacent and hydraulically upgradient from the gravelly driveway on the subject site property, representing a potential source for the reported lead concentrations in groundwater revealed on the subject site. However, based upon review of available data, laboratory analysis of soil samples collected at eight (8) feet bgs beneath the former adjacent waste oil UST had reported concentrations of lead at 6.7 mg/kg and 8.3 mg/kg and the composite soil sample collected from beneath the former adjacent UST containing diesel had a reported concentration of lead of 16 mg/kg. Therefore, based upon this limited data, there is no evidence that the reported concentrations of lead in groundwater revealed on the subject site would appear to be associated with the two (2) former USTs removed from the adjacent property. However, the SCEHSD has requested submission of a work plan for a preliminary site assessment from MLRX2, LLC and Union Oil Company of California, the apparent responsible parties for the former northern-adjacent USTs. At this time it is unknown what scope of work potentially has been proposed, whether or not the site assessment has been conducted and, if so, what results the assessment produced. Consequently, based on the limited groundwater sampling conducted during this Phase II LSA, the potential source/origin of the reported lead in groundwater revealed beneath the subject site has not been established. Copies of SCEHSD records are provided in Appendix D.

Presently, it is understood that potable water will be provided to the subject site from municipal source(s) and that the proposed development will not utilize groundwater beneath the subject site for any purposes. For a higher level of awareness, a more comprehensive groundwater sampling investigation could be conducted to assess the presence or absence and extent of potential lead concentrations in groundwater beneath the subject site. However, despite the fact that the reported lead concentrations in groundwater revealed on the easternmost portion of the subject site property beneath the gravelly driveway do not appear to be prohibitive to the development of the central-northern area of the subject site for its proposed use, the full legal and financial ramifications of a potential future property owner becoming the responsible party for this on-site contamination currently is unknown. Consequently, it appears that consultation with environmental legal counsel would be warranted and prudent regarding this issue prior to purchase of the subject site property.

## **LIMITATIONS**

This subsurface investigation conducted at the subject site was not intended to characterize or define the extent of possible impact beneath the site; rather, this work was conducted to assess the presence or absence of significant concentrations of COCs in on-site shallow surface soils, soil vapor and groundwater beneath specific areas of the subject site. The findings of this report were based upon the results of our field and laboratory investigations. Therefore, the data are accurate only to the degree implied by review of the data obtained and by professional interpretation.

The soil, soil vapor and groundwater sampling locations were located in the field by review of available maps. Therefore, the location of the samples should be considered accurate only to the degree implied by the methods used to locate them. Chemical testing was done by laboratories certified by the State of

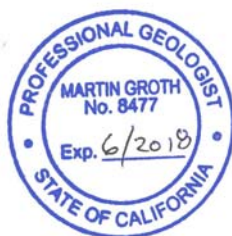
California Department of Health Services. The results of the chemical testing are accurate only to the degree of care of ensuring the testing accuracy and the representative nature of the soil samples obtained.

This investigation of the subject site has been limited in scope. This type of assessment is undertaken with the calculated risk that the presence, full nature and extent of contamination would not be revealed by methods employed. Therefore, no warranty is given; either expressed or implied that hazardous material contamination or buried structures, which would not have been disclosed through this investigation, do not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

This assessment and report were authorized by and prepared for the exclusive use of our Client. Unauthorized use of or reliance on the information contained in this report without the expressed written consent of Krazan & Associates, Inc. is strictly prohibited.

## CLOSING

We appreciate the opportunity to be of service to Integrated Community Development. If you have any questions, or if we can be of further assistance, please feel free to contact me at (559) 348-2200.



Respectfully Submitted,  
KRAZAN & ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Martin Groth".

Martin Groth, P.G. No. 8477  
Project Manager

A handwritten signature in blue ink, appearing to read "Arthur C. Farkas".

Arthur C. Farkas, REA 07818  
Environmental Division Manager

MG/ACF/mlt

### Attachments:

- Figure 1 – Vicinity Map
- Figure 2 – Soil Sampling Site Plan
- Figure 3 – Soil Vapor & Groundwater Sampling Plan
- Appendix A – Underground Service Alert Tickets
- Appendix B – Soil Boring Logs
- Appendix C – Laboratory Analytical Report
- Appendix D – SCEHSD Records

**TABLE I**

Phase II Limited Subsurface Assessment  
Proposed Residential Development Property  
Cloverdale, California

October 18, 2017 Soil Sampling Results – Arsenic

(Concentrations are expressed in milligrams per kilogram [mg/kg])

Sample ID	A-1	A-2	A-3	A-4	A-5	A-6	A-7	ESL
<b>Analyte</b>								
Arsenic	5.95	3.93	9.86	6.11	13.0	10.9	8.62	6.7E-02

ESL = Environmental Screening Level (ESL), Direct Exposure Human Health Risk Levels, Residential Land Use - Shallow Soil Exposure (San Francisco Bay Regional Water Quality Control Board, Revised February 2016), Table S-1.

**TABLE II**

Phase II Limited Subsurface Assessment  
Proposed Residential Development Property  
Cloverdale, California

November 1 and November 2, 2017 Soil Vapor Sampling Results – VOCs

(Concentrations are expressed in micrograms per meter cubed [ $\mu\text{g}/\text{m}^3$ ])

Sample No./ERSL	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	ESLs
<b>Analyte*</b>									
Acetone	400	260	230	340	200	130	110	290	1.6E+07
Benzene	19	ND	8.6	4.1	6.7	8.7	70	34	4.8E+01
2-Butanone (MEK)	74	ND	ND	47	46	ND	ND	71	2.6E+06
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	10	3.8E+01
Carbon Disulfide	ND	ND	ND	ND	ND	4.2	ND	ND	NE
Chloroform	ND	ND	ND	ND	51	ND	31	86	6.1E+01
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	5.3	5.6E+02
Heptane	12	ND	ND	4.8	ND	ND	28	26	NE
Isopropyl alcohol	45	ND	ND	ND	ND	ND	ND	ND	NE
Tetrachloroethene (PCE)	17	56	15	ND	ND	20	ND	ND	2.4E+02
Trichloroethene (TCE)	16	8.1	48	ND	16	12	7.4	ND	3.4E+02
Toluene	8.5	ND	3.9	4.1	8.2	6.7	21	35	1.3E+06
m,p-Xylene	ND	ND	ND	ND	15	ND	ND	ND	4.4E+05
o-Xylene	ND	ND	ND	ND	ND	ND	ND	4.8	4.4E+05

\*Only those VOCs detected are shown

Established Regulatory Screening Level (ERSL)

NE = Not Established

ND = Not Detected at or above the laboratory reporting limit.

ESLs = Subslab/Soil Gas Vapor Intrusion Human Health Risk Screening Levels (Volatile Chemicals Only) – Residential Exposure (San Francisco Bay Regional Water Quality Control Board, Revised February 2016), Table SG-1.

**TABLE III**

Phase II Limited Subsurface Assessment  
 Proposed Residential Development Property  
 Cloverdale, California

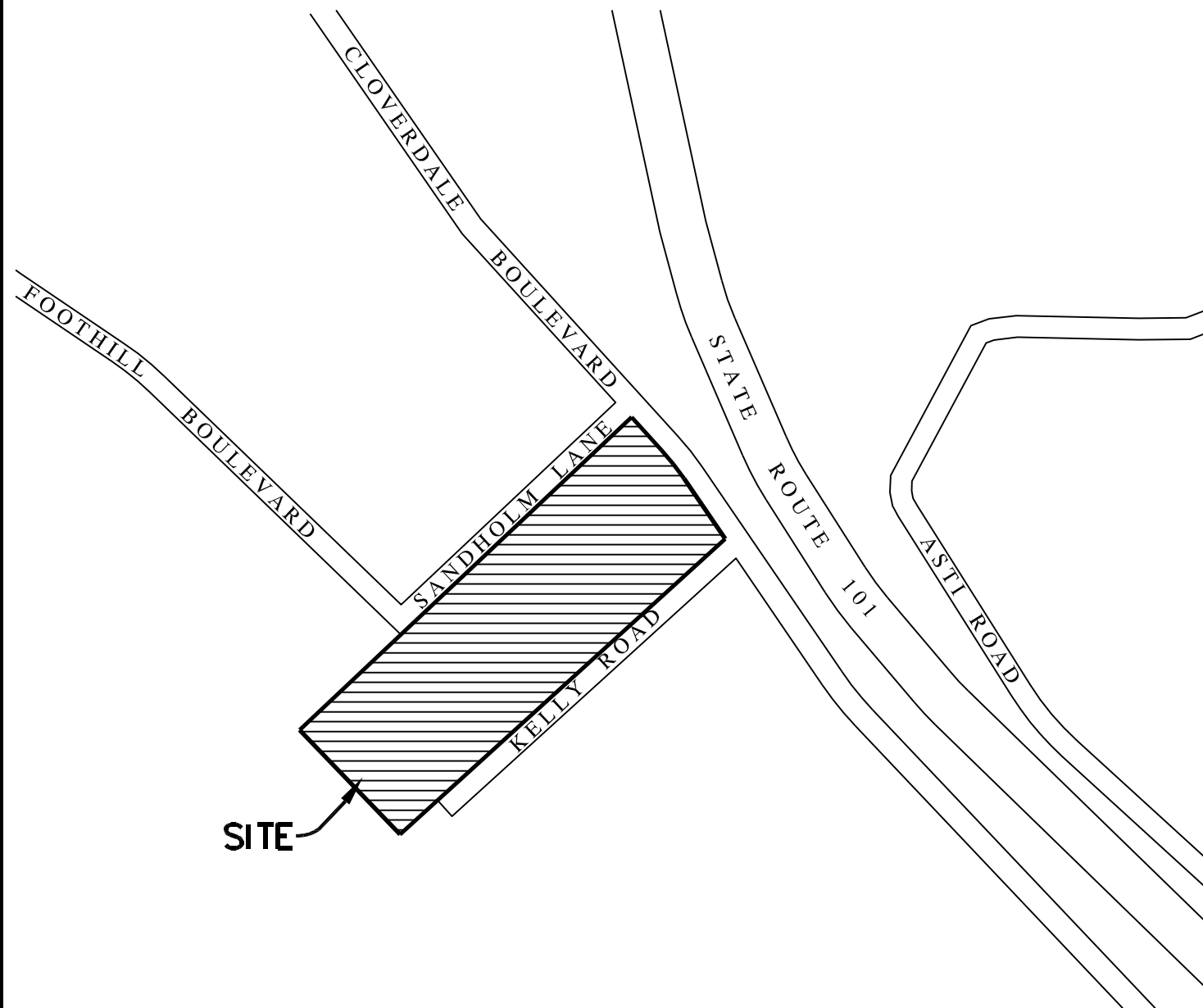
November 2, 2017 Groundwater Sampling Results – Lead

*(Concentrations are expressed in micrograms per liter [µg/l])*

Sample ID	B1	B2	ESL <sup>1</sup>	ESL <sup>2</sup>
<b>Analyte</b>				
Lead	<b>700</b>	<b>95</b>	0.2	15

ESL<sup>1</sup> = Groundwater Direct Exposure Human Health Risk Screening Levels – **Final Human Health Risk Based Screening Level** (California Regional Water Quality Control Board, San Francisco Bay Region – Revised February 2016), Table GW-1.

ESL<sup>2</sup> = Groundwater Direct Exposure Human Health Risk Screening Levels – **Final MCL** (Maximum Contaminant Level) **Priority Screening Level** (California Regional Water Quality Control Board, San Francisco Bay Region – Revised February 2016), Table GW-1.



SCALE IN FEET (±)  
\*ALL LOCATIONS AND DIMENSIONS  
ARE APPROXIMATE

#### VICINITY MAP

PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 &- 084  
CLOVERDALE, CA 95425

Scale:

AS SHOWN

Drawn by:

C. H.

Project No.

034-17125

Date:

NOV. 2017

Approved by:

M. G.

Figure No.

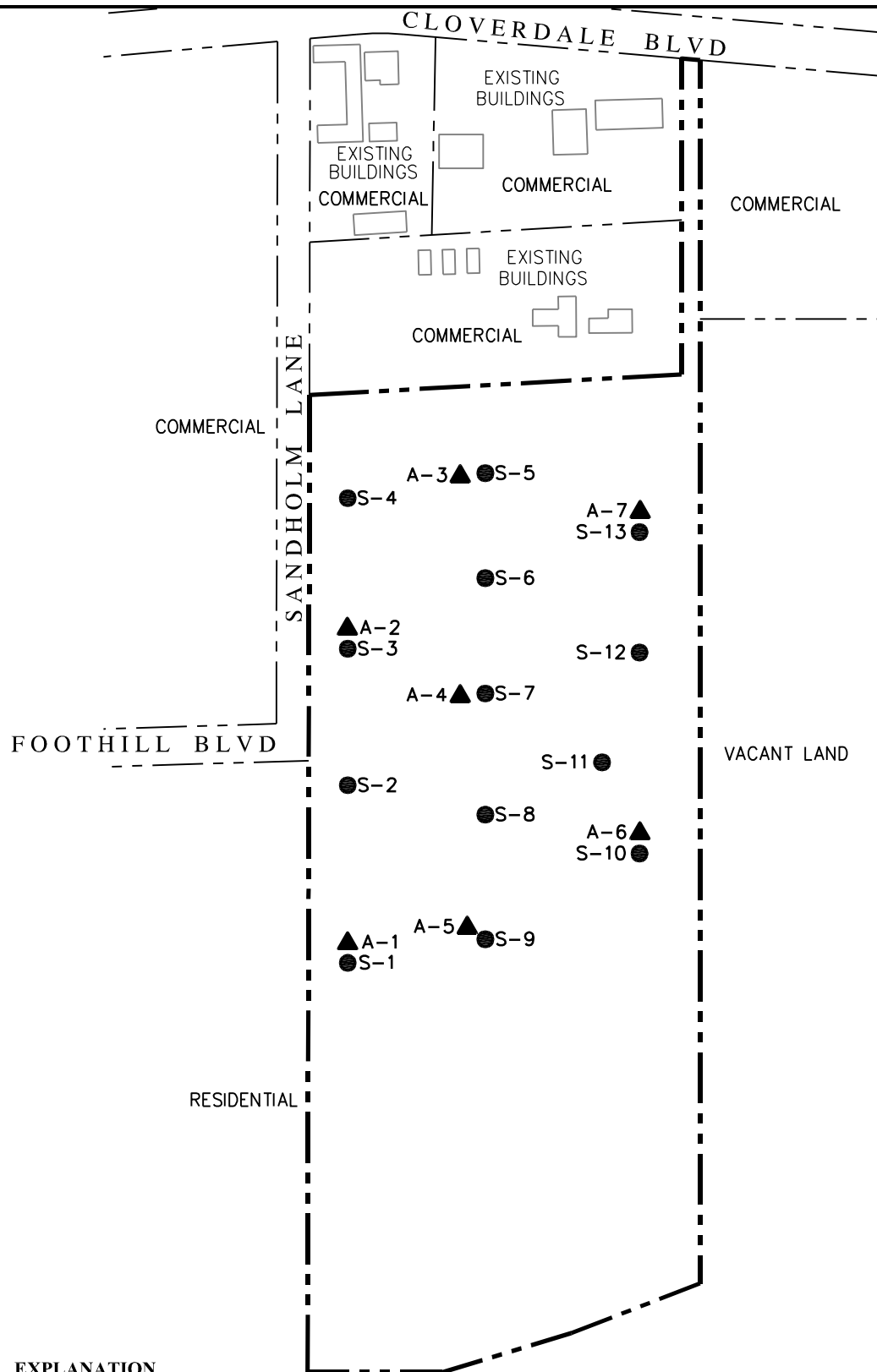
1



**SITE DEVELOPMENT ENGINEERS**

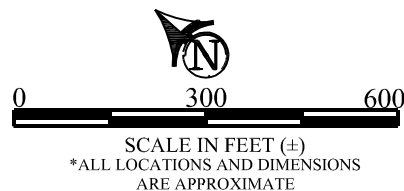
Offices Serving the Western United States





#### EXPLANATION

- SUBJECT SITE BOUNDARY
- - - STREET RIGHT-OF-WAY
- GRAB SOIL SAMPLE LOCATION FOR OCPs & CHs
- ▲ GRAB SOIL SAMPLE LOCATION FOR ARSENIC



#### SOIL SAMPLING SITE PLAN

PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 &- 084  
CLOVERDALE, CA 95425

Scale:

AS SHOWN

Drawn by:

C. H.

Project No.

034-17125

Date:

NOV. 2017

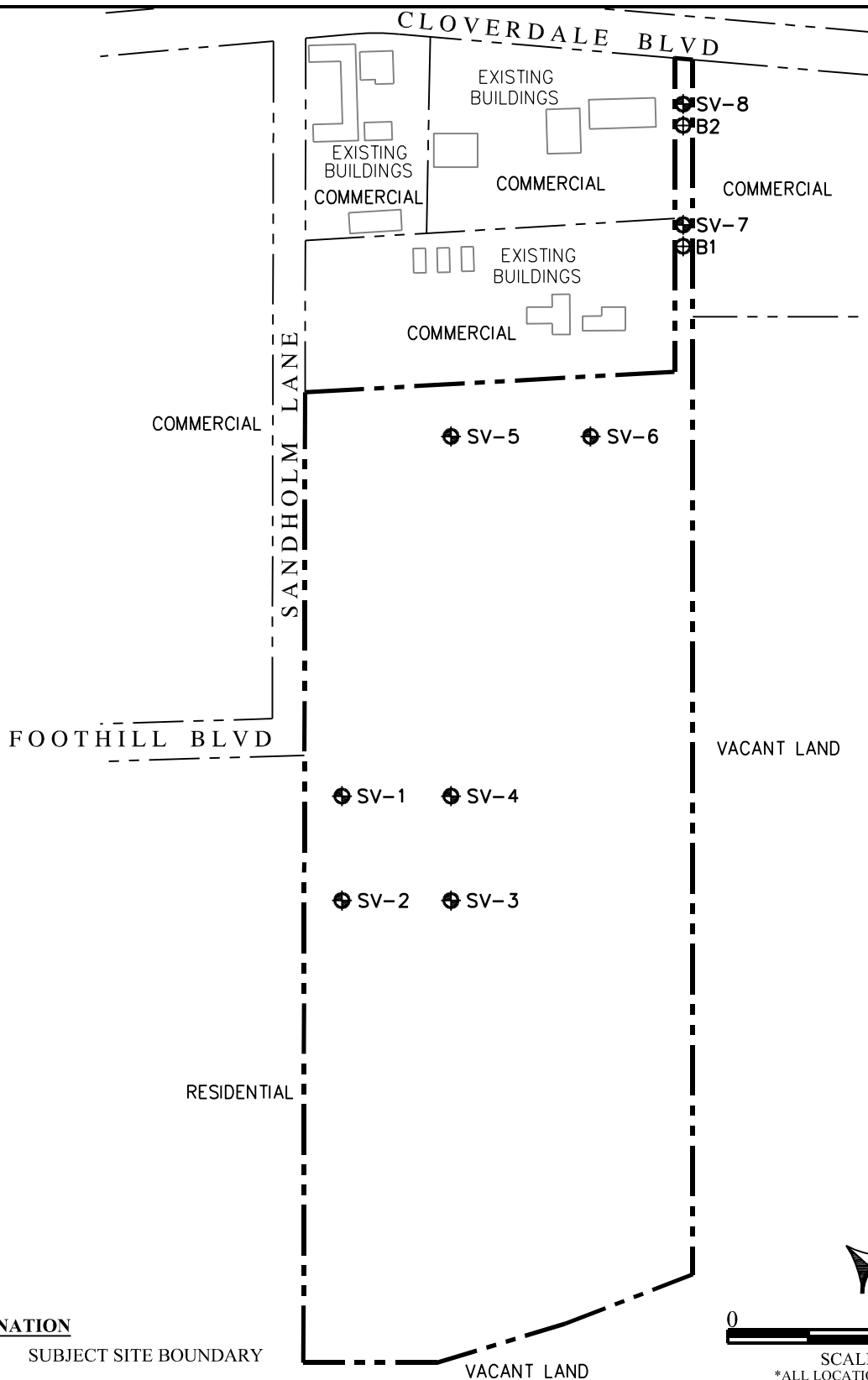
Approved by:

M. G.

Figure No.

2

**Krazan**  
SITE DEVELOPMENT ENGINEERS  
Offices Serving the Western United States



#### EXPLANATION

--- SUBJECT SITE BOUNDARY

--- STREET RIGHT-OF-WAY



SOIL BORING & GROUNDWATER SAMPLING LOCATION WITH SAMPLE NUMBER AS NOTED



SOIL VAPOR SAMPLING LOCATION WITH SAMPLE NUMBER AS NOTED



SCALE IN FEET (±)  
\*ALL LOCATIONS AND DIMENSIONS  
ARE APPROXIMATE

### SOIL VAPOR & GROUNDWATER SAMPLING PLAN

PROPOSED RESIDENTIAL  
DEVELOPMENT PROPERTY  
28195 HIGHWAY 101  
APNS 117-040-053 & -084  
CLOVERDALE, CA 95425

Scale:

AS SHOWN

Drawn by:

C. H.

Project No.

034-17125

Date:

NOV. 2017

Approved by:

M. G.

Figure No.

3

**Krazan**  
SITE DEVELOPMENT ENGINEERS  
Offices Serving the Western United States

# *Appendix A*

## Marty Groth

---

**From:** notification@usan.org  
**Sent:** Thursday, October 19, 2017 10:01 AM  
**To:** Marty Groth  
**Subject:** USA North 811 Confirmation for Ticket X729200355-00X

EMLCFM 00753 USANX 10/19/17 10:00:57 X729200355-00X NORM NEW POLY LREQ

Message Number: X729200355 Rev: 00X Received by USAN at 09:46 on 10/19/17

Work Begins: 10/23/17 at 17:01 Notice: 027 hrs Priority: 2  
Night Work: Weekend Work:

Expires: 11/16/17 at 23:59 Update By: 11/14/17 at 00:00

Caller: MARTIN GROTH  
Company: KRAZAN & ASSOCIATES  
Address: 215 W.DAKOTA AVE  
City: CLOVIS State: CA Zip: 93612  
Business Tel: 559-348-2000 Fax:  
Email Address: MARTYGROTH@KRAZAN.COM

Nature of Work: VERTICAL BORINGS FOR SOIL SAMPLES  
Done for: INTEGRATED COMMUNITY DEV Explosives:  
Foreman: MARTIN GROTH  
Cell Tel: 559-994-1935  
Area Premarked: Y Premark Method: WHITE PAINT  
Permit Type: NO  
Vac / Pwr Equip Use In The Approx Location Of Member Facilities Requested: N  
Excavation Enters Into Street Or Sidewalk Area: N

Location:  
Street Address: SANDHOLM LN Side: SE  
Cross Street: MOONLIGHT CIR  
2nd Cross St: S REDWOOD HWY

BEG PT IS APP 650' SW OF S REDWOOD HWY ON SE SIDE OF SANDHOLM LN, GO APP 1200'  
SW ALONG SE SIDE OF SANDHOLM LN, TURN GO APP APP 700' SE, TURN GO APP 1200' NE,  
TURN GO APP 700' NW BK TO BEG PT, MARK AREA WITHIN.

Place: OCCIDENTAL /U County: SONOMA State: CA

Long/Lat Long: -123.009279 Lat: 38.776491 Long: -123.015602 Lat: 38.781123

Sent to:  
COMNPA = COMCAST-NAPA CTYCLV = CITY CLOVERDALE  
PACBEL = PACIFIC BELL PGESRO = PGE DISTR SANTA ROSA  
SCLWTR = SOUTH CLOVERDALE WATER CO.

## Marty Groth

---

**From:** notification@usan.org  
**Sent:** Thursday, October 19, 2017 10:07 AM  
**To:** Marty Groth  
**Subject:** USA North 811 Confirmation for Ticket X729200361-00X

EMLCFM 00759 USANX 10/19/17 10:06:55 X729200361-00X NORM NEW POLY LREQ

Message Number: X729200361 Rev: 00X Received by USAN at 10:01 on 10/19/17

Work Begins: 10/23/17 at 17:01 Notice: 026 hrs Priority: 2  
Night Work: Weekend Work:

Expires: 11/16/17 at 23:59 Update By: 11/14/17 at 00:00

Caller: MARTIN GROTH  
Company: KRAZAN & ASSOCIATES  
Address: 215 W.DAKOTA AVE  
City: CLOVIS State: CA Zip: 93612  
Business Tel: 559-348-2000 Fax:  
Email Address: MARTYGROTH@KRAZAN.COM

Nature of Work: VERTICAL BORINGS FOR SOIL SAMPLES  
Done for: INTEGRATED COMMUNITY DEV Explosives:  
Foreman: MARTIN GROTH  
Cell Tel: 559-994-1935  
Area Premarked: Y Premark Method: WHITE PAINT  
Permit Type: NO  
Vac / Pwr Equip Use In The Approx Location Of Member Facilities Requested: N  
Excavation Enters Into Street Or Sidewalk Area: N

Location:  
Street Address: S REDWOOD HWY Side: SW  
Cross Street: SANDHOLM LN  
2nd Cross St: KELLY RD

BEG PT IS APP 700' SE OF SANDHOLM LN ON SW SIDE OF S REDWOOD HWY, TURN GO APP 600' SW, TURN GO APP 30' SE, TURN GO APP 600' NE, TURN GO APP 30' NW BK TO BEG PT, MARK AREA WITHIN.




Place: CLOVERDALE County: SONOMA State: CA













Long/Lat Long: -123.007694 Lat: 38.778665 Long: -123.010724 Lat: 38.780907

Sent to:  
CTYCLV = CITY CLOVERDALE PACBEL = PACIFIC BELL  
PGESRO = PGE DISTR SANTA ROSA RCRWTR = RAINS CREEK WATER SYS  
SCLWTR = SOUTH CLOVERDALE WATER CO.

# *Appendix B*



PROJECT NAME: Proposed Residential Development Property						Boring No. B1	
DATE DRILLED: November 2, 2017			TYPE OF BORING: Solid Flight			Project No. 034-17125	
DRILLING EQUIPMENT: CME 45B			ELEVATION & DATUM:			LOGGED BY: M. Groth	
SAMPLING METHOD: SPT/ SS Sleeve			DEPTH TO WATER: FIRST:			COMPL: 20.71 24 HRS:	
ELEVATION DEPTH (ft)	ODOR	PID (ppmv)	UNDISTURBED SAMPLE	BLOW COUNT	GRAPHIC LOG	SOIL CLASSIFICATION	SOIL DESCRIPTION
0	No	0.0	XXX	50/2"		GP	FILL - fine to coarse-grained, Sandy Gravel (GP); light brown, damp.
	No	0.0				SC	Medium dense, fine- to coarse-grained, Clayey Sand (SC); brown, moist.
5	No	0.0					Very dense, moderately weathered serpentine, gray-green, moist.
10	No	0.0					
15	No	0.0					
20	No	0.0					
25							Bottom of boring @ 23'. Auger refusal.
30							
35							
40							
<p align="center"><b>KRAZAN &amp; ASSOCIATES, INC.</b>  215 West Dakota Avenue  Clovis, California 93612</p>							
R = Refusal, greater than 100 blows/foot						Sheet 1 of 1	

PROJECT NAME: Proposed Residential Development Property						Boring No. B2	
DATE DRILLED: November 2, 2017				TYPE OF BORING: Solid Flight		Project No. 034-17125	
DRILLING EQUIPMENT: CME 45B				ELEVATION & DATUM:		LOGGED BY: M. Groth	
SAMPLING METHOD: SPT/ SS Sleeve				DEPTH TO WATER: FIRST:		COMPL: 18.24 24 HRS:	
ELEVATION DEPTH (ft)	ODOR	PID (ppmv)	UNDISTURBED SAMPLE	BLOW COUNT	GRAPHIC LOG	SOIL CLASSIFICATION	SOIL DESCRIPTION
0	No	0.0				GP	FILL - fine- to coarse-grained, Sandy Gravel (GP); light brown, damp.
						SC	FILL - fine- to coarse-grained, Clayey Sand (SC); brown, moist.
	No	0.0				CL	Stiff, fine- to coarse-grained, Sandy Clay (CL); brown, moist.
5	No	0.0					
						GC	Dense, fine- to coarse-grained, Clayey Gravel (GC); brown, moist (weathered serpentine).
							Very dense, moderately weathered serpentine, gray-green, moist.
15	No	0.0					
							
20	No	0.0					
							
25	No	0.0					
							
							Bottom of boring @ 27'. Auger refusal.
30							
35							
40							
<div>KRAZAN &amp; ASSOCIATES, INC. 215 West Dakota Avenue Clovis, California 93612</div> <div>R = Refusal, greater than 100 blows/foot</div> <div>Sheet 1 of 1</div>							

# Appendix C



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

10 November 2017

Martin Groth  
Krazan, Clovis  
215 West Dakota Avenue  
Clovis, CA 93612  
RE: Prop Residential Development Property

Enclosed are the results of analyses for samples received by the laboratory on 11/04/17 08:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen  
Project Manager Assistant



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/10/17 15:44

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1	T172875-01	Water	11/02/17 10:30	11/04/17 08:40
B2	T172875-02	Water	11/02/17 11:45	11/04/17 08:40

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa Nguyen, Project Manager Assistant



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

### DETECTIONS SUMMARY

Sample ID: B1

Laboratory ID: T172875-01

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	700	250	ug/l	EPA 6010b	

Sample ID: B2

Laboratory ID: T172875-02

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Lead	95	50	ug/l	EPA 6010b	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa Nguyen, Project Manager Assistant



Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

**B1**  
**T172875-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	7110616	11/06/17	11/08/17	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		69.3 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Lead	700	250	ug/l	5	7110632	11/06/17	11/07/17	EPA 6010b	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.2	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B	
Bromochloromethane	ND	1.2	"	"	"	"	"	"	
Bromodichloromethane	ND	1.2	"	"	"	"	"	"	
Bromoform	ND	1.2	"	"	"	"	"	"	
Bromomethane	ND	1.2	"	"	"	"	"	"	
n-Butylbenzene	ND	1.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.62	"	"	"	"	"	"	
Chlorobenzene	ND	1.2	"	"	"	"	"	"	
Chloroethane	ND	1.2	"	"	"	"	"	"	
Chloroform	ND	1.2	"	"	"	"	"	"	
Chloromethane	ND	1.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
Dibromochloromethane	ND	1.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.2	"	"	"	"	"	"	
Dibromomethane	ND	1.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.62	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.2	"	"	"	"	"	"	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

# B1

## T172875-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

## SunStar Laboratories, Inc.

### Volatile Organic Compounds by EPA Method 8260B

1,2-Dichloroethane	ND	0.62	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B
1,1-Dichloroethene	ND	1.2	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.2	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.2	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.2	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.2	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.2	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.2	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"
Hexachlorobutadiene	ND	1.2	"	"	"	"	"	"
Isopropylbenzene	ND	1.2	"	"	"	"	"	"
p-Isopropyltoluene	ND	1.2	"	"	"	"	"	"
Methylene chloride	ND	1.2	"	"	"	"	"	"
Naphthalene	ND	1.2	"	"	"	"	"	"
n-Propylbenzene	ND	1.2	"	"	"	"	"	"
Styrene	ND	1.2	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"
Tetrachloroethene	ND	1.2	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	1.2	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.2	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	1.2	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	1.2	"	"	"	"	"	"
Trichloroethene	ND	1.2	"	"	"	"	"	"
Trichlorofluoromethane	ND	1.2	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	1.2	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	1.2	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	1.2	"	"	"	"	"	"
Vinyl chloride	ND	1.2	"	"	"	"	"	"
Benzene	ND	0.62	"	"	"	"	"	"
Toluene	ND	0.62	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/10/17 15:44

**B1**

**T172875-01 (Water)**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.62	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B
m,p-Xylene	ND	1.2	"	"	"	"	"	"
o-Xylene	ND	0.62	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		95.8 %	83.5-119		"	"	"	"
Surrogate: Dibromofluoromethane		116 %	81-136		"	"	"	"
Surrogate: Toluene-d8		108 %	88.8-117		"	"	"	"

SunStar Laboratories, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

**B2**  
**T172875-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	7110616	11/06/17	11/08/17	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		72.0 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Lead	95	50	ug/l	1	7110632	11/06/17	11/07/17	EPA 6010b	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.2	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B	
Bromochloromethane	ND	1.2	"	"	"	"	"	"	
Bromodichloromethane	ND	1.2	"	"	"	"	"	"	
Bromoform	ND	1.2	"	"	"	"	"	"	
Bromomethane	ND	1.2	"	"	"	"	"	"	
n-Butylbenzene	ND	1.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.62	"	"	"	"	"	"	
Chlorobenzene	ND	1.2	"	"	"	"	"	"	
Chloroethane	ND	1.2	"	"	"	"	"	"	
Chloroform	ND	1.2	"	"	"	"	"	"	
Chloromethane	ND	1.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
Dibromochloromethane	ND	1.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.2	"	"	"	"	"	"	
Dibromomethane	ND	1.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.62	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.2	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

## B2

### T172875-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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### SunStar Laboratories, Inc.

#### Volatile Organic Compounds by EPA Method 8260B

1,2-Dichloroethane	ND	0.62	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B
1,1-Dichloroethene	ND	1.2	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.2	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.2	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.2	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.2	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.2	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.2	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"
Hexachlorobutadiene	ND	1.2	"	"	"	"	"	"
Isopropylbenzene	ND	1.2	"	"	"	"	"	"
p-Isopropyltoluene	ND	1.2	"	"	"	"	"	"
Methylene chloride	ND	1.2	"	"	"	"	"	"
Naphthalene	ND	1.2	"	"	"	"	"	"
n-Propylbenzene	ND	1.2	"	"	"	"	"	"
Styrene	ND	1.2	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"
Tetrachloroethene	ND	1.2	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	1.2	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.2	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	1.2	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	1.2	"	"	"	"	"	"
Trichloroethene	ND	1.2	"	"	"	"	"	"
Trichlorofluoromethane	ND	1.2	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	1.2	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	1.2	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	1.2	"	"	"	"	"	"
Vinyl chloride	ND	1.2	"	"	"	"	"	"
Benzene	ND	0.62	"	"	"	"	"	"
Toluene	ND	0.62	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/10/17 15:44

**B2**

**T172875-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.62	ug/l	1	7110613	11/06/17	11/06/17	EPA 8260B
m,p-Xylene	ND	1.2	"	"	"	"	"	"
o-Xylene	ND	0.62	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		97.6 %	83.5-119		"	"	"	"
Surrogate: Dibromofluoromethane		116 %	81-136		"	"	"	"
Surrogate: Toluene-d8		114 %	88.8-117		"	"	"	"

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/10/17 15:44

### Extractable Petroleum Hydrocarbons by 8015B - Quality Control

#### SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7110616 - EPA 3510C GC

##### Blank (7110616-BLK1)

Prepared: 11/06/17 Analyzed: 11/08/17

C6-C12 (GRO)	ND	0.50	mg/l							
C13-C28 (DRO)	ND	0.50	"							
C29-C40 (MORO)	ND	0.50	"							
Surrogate: <i>p</i> -Terphenyl	2.82		"	4.00		70.5	65-135			

##### LCS (7110616-BS1)

Prepared: 11/06/17 Analyzed: 11/08/17

C13-C28 (DRO)	21.3	0.50	mg/l	20.0		107	75-125			
Surrogate: <i>p</i> -Terphenyl	3.52		"	4.00		88.1	65-135			

##### Matrix Spike (7110616-MS1)

Source: T172875-01

Prepared: 11/06/17 Analyzed: 11/08/17

C13-C28 (DRO)	21.4	0.50	mg/l	20.0	ND	107	75-125			
Surrogate: <i>p</i> -Terphenyl	2.79		"	4.00		69.7	65-135			


##### Matrix Spike Dup (7110616-MSD1)

Source: T172875-01

Prepared: 11/06/17 Analyzed: 11/08/17

C13-C28 (DRO)	22.4	0.50	mg/l	20.0	ND	112	75-125	4.42	20	
Surrogate: <i>p</i> -Terphenyl	2.92		"	4.00		72.9	65-135			

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant





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Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7110632 - EPA 3010A**

**Blank (7110632-BLK1)**

Prepared: 11/06/17 Analyzed: 11/07/17

Lead	ND	50	ug/l
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**LCS (7110632-BS1)**

Prepared: 11/06/17 Analyzed: 11/07/17

Lead	510	50	ug/l	500	102	75-125
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**Matrix Spike (7110632-MS1)**

Source: T172875-02

Prepared: 11/06/17 Analyzed: 11/07/17

Lead	522	50	ug/l	500	95.0	85.4	75-125
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**Matrix Spike Dup (7110632-MSD1)**

Source: T172875-02

Prepared: 11/06/17 Analyzed: 11/07/17

Lead	512	50	ug/l	500	95.0	83.4	75-125	1.96	20
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SunStar Laboratories, Inc.

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Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7110613 - EPA 5030 GCMS

##### Blank (7110613-BLK1)

Prepared & Analyzed: 11/06/17

Bromobenzene	ND	1.2	ug/l
Bromochloromethane	ND	1.2	"
Bromodichloromethane	ND	1.2	"
Bromoform	ND	1.2	"
Bromomethane	ND	1.2	"
n-Butylbenzene	ND	1.2	"
sec-Butylbenzene	ND	1.2	"
tert-Butylbenzene	ND	1.2	"
Carbon tetrachloride	ND	0.62	"
Chlorobenzene	ND	1.2	"
Chloroethane	ND	1.2	"
Chloroform	ND	1.2	"
Chloromethane	ND	1.2	"
2-Chlorotoluene	ND	1.2	"
4-Chlorotoluene	ND	1.2	"
Dibromochloromethane	ND	1.2	"
1,2-Dibromo-3-chloropropane	ND	6.2	"
1,2-Dibromoethane (EDB)	ND	1.2	"
Dibromomethane	ND	1.2	"
1,2-Dichlorobenzene	ND	1.2	"
1,3-Dichlorobenzene	ND	1.2	"
1,4-Dichlorobenzene	ND	1.2	"
Dichlorodifluoromethane	ND	0.62	"
1,1-Dichloroethane	ND	1.2	"
1,2-Dichloroethane	ND	0.62	"
1,1-Dichloroethene	ND	1.2	"
cis-1,2-Dichloroethene	ND	1.2	"
trans-1,2-Dichloroethene	ND	1.2	"
1,2-Dichloropropane	ND	1.2	"
1,3-Dichloropropane	ND	1.2	"
2,2-Dichloropropane	ND	1.2	"
1,1-Dichloropropene	ND	1.2	"
cis-1,3-Dichloropropene	ND	0.62	"
trans-1,3-Dichloropropene	ND	0.62	"
Hexachlorobutadiene	ND	1.2	"
Isopropylbenzene	ND	1.2	"

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Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 7110613 - EPA 5030 GCMS

#### Blank (7110613-BLK1)

Prepared & Analyzed: 11/06/17

p-Isopropyltoluene	ND	1.2	ug/l							
Methylene chloride	ND	1.2	"							
Naphthalene	ND	1.2	"							
n-Propylbenzene	ND	1.2	"							
Styrene	ND	1.2	"							
1,1,2,2-Tetrachloroethane	ND	1.2	"							
1,1,1,2-Tetrachloroethane	ND	1.2	"							
Tetrachloroethene	ND	1.2	"							
1,2,3-Trichlorobenzene	ND	1.2	"							
1,2,4-Trichlorobenzene	ND	1.2	"							
1,1,2-Trichloroethane	ND	1.2	"							
1,1,1-Trichloroethane	ND	1.2	"							
Trichloroethene	ND	1.2	"							
Trichlorofluoromethane	ND	1.2	"							
1,2,3-Trichloropropane	ND	1.2	"							
1,3,5-Trimethylbenzene	ND	1.2	"							
1,2,4-Trimethylbenzene	ND	1.2	"							
Vinyl chloride	ND	1.2	"							
Benzene	ND	0.62	"							
Toluene	ND	0.62	"							
Ethylbenzene	ND	0.62	"							
m,p-Xylene	ND	1.2	"							
o-Xylene	ND	0.62	"							
Surrogate: 4-Bromofluorobenzene	9.15		"	10.0		91.5	83.5-119			
Surrogate: Dibromofluoromethane	10.9		"	10.0		109	81-136			
Surrogate: Toluene-d8	9.88		"	10.0		98.8	88.8-117			

#### LCS (7110613-BS1)

Prepared & Analyzed: 11/06/17

Chlorobenzene	27.1	1.2	ug/l	25.0		108	75-125			
1,1-Dichloroethene	28.7	1.2	"	25.0		115	75-125			
Trichloroethene	26.4	1.2	"	25.0		106	75-125			
Benzene	27.8	0.62	"	25.0		111	75-125			
Toluene	27.2	0.62	"	25.0		109	75-125			
Surrogate: 4-Bromofluorobenzene	9.40		"	10.0		94.0	83.5-119			
Surrogate: Dibromofluoromethane	11.4		"	10.0		114	81-136			
Surrogate: Toluene-d8	9.79		"	10.0		97.9	88.8-117			

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Lisa Nguyen, Project Manager Assistant



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Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/10/17 15:44

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 7110613 - EPA 5030 GCMS

##### LCS Dup (7110613-BSD1)

Prepared & Analyzed: 11/06/17

Chlorobenzene	26.4	1.2	ug/l	25.0	106	75-125	2.43	20	
1,1-Dichloroethene	28.8	1.2	"	25.0	115	75-125	0.391	20	
Trichloroethene	26.8	1.2	"	25.0	107	75-125	1.36	20	
Benzene	26.6	0.62	"	25.0	106	75-125	4.42	20	
Toluene	26.1	0.62	"	25.0	104	75-125	4.09	20	
Surrogate: 4-Bromofluorobenzene	9.24		"	10.0	92.4	83.5-119			
Surrogate: Dibromofluoromethane	11.0		"	10.0	110	81-136			
Surrogate: Toluene-d8	9.72		"	10.0	97.2	88.8-117			

SunStar Laboratories, Inc.

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Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Prop Residential Development Property  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/10/17 15:44

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

# Krazan & Associates, Inc.

215 W. Dakota Avenue, Clovis, CA 93612, (559) 348-2200, FAX (559) 348-2190

## CHAIN-OF-CUSTODY RECORD

DATE: 11/03/17 Lab ID: TT2875

Client:		Krazan & Associates, Inc.		REQUESTED ANALYSIS											
Address:		215 West Dakota Avenue Clovis, CA 93612													
Sampled By:		Martin Groth													
Phone:		(559) 348-2200													
FAX:		(559) 348-2190													
Project Manager:		Martin Groth													
Project Job:		03417125 - Prop Residential Development Property													
Client Sample ID				Sample Date	Sample Time	Sample Matrix	Container #	Type	TPH-cc by 8015C	VOCs by 8260B	Lead by 6010B				
1	B1			11/2/17	10:30	Water	3	VOA	X						
2	B1			11/2/17	10:30	Water	3	VOA	X						
3	B1			11/2/17	10:30	Water	1	PB		X					
4	B2			11/2/17	11:45	Water	3	VOA	X						
5	B2			11/2/17	11:45	Water	3	VOA		X					
6	B2			11/2/17	11:45	Water	1	PB		X					
7															
8															
9															
10															
Correct Containers:				Yes	No			RELINQUISHED BY							
Sample Temperature:				Ambient	Cold	Warm			Signature: <u>Martin Groth</u>						
Sample Preservative:				Yes	No			Print: <u>Martin Groth</u>							
Turnaround Time:				Normal	Specify:			Company: <u>Krazan</u>							
								Date: <u>11/03/17</u> Time: <u>2:20</u>							
								Signature: <u>[Signature]</u>							
								Print: <u>[Signature]</u>							
								Company: <u>[Signature]</u>							
								Date: <u>11-4-17</u> Time: <u>8:40</u>							
								Signature: <u>[Signature]</u>							
								Print: <u>[Signature]</u>							
								Company: <u>[Signature]</u>							
								Date: <u>11-4-17</u> Time: <u>8:40</u>							
								Signature: <u>[Signature]</u>							
								Print: <u>[Signature]</u>							
								Company: <u>[Signature]</u>							
								Date: <u>11-4-17</u> Time: <u>8:40</u>							

5.0

PLEASE RETURN ICE CHEST & ICE PACKS

Comments:



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T172875

Client Name: KRAZAN Project: PROP RESIDENTIAL DEVELOPMENT  
PROPERTY

Delivered by: ☐ Client ☐ SunStar Courier ☐ GSO ☒ FedEx ☐ Other

If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_

Lab Received by: SUNNY Date/Time Lab Received: 11-4-17 / 8:40

Total number of coolers received: 1

Temperature: Cooler #1 <u>5.2</u>	°C +/- the CF (- 0.2°C) = <u>5.0</u>	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (- 0.2°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C) =	°C corrected temperature

**Temperature criteria = ≤ 6°C  
(no frozen containers)**

Within criteria?

☒ Yes ☐ No

**If NO:**

Samples received on ice?

☐ Yes

☐ No →

**Complete Non-Conformance Sheet**

If on ice, samples received same day collected?

☐ Yes → Acceptable

☐ No →

**Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample

☐ Yes ☐ No\* ☒ N/A

Sample containers intact

☐ Yes ☒ No\*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No\*

Total number of containers received match COC

☒ Yes ☐ No\*

Proper containers received for analyses requested on COC

☒ Yes ☐ No\*

Proper preservative indicated on COC/containers for analyses requested

☒ Yes ☐ No\* ☐ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☐ Yes ☒ No\*

\* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date:

SL 11-4-17

**Comments:**



## SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T172875

▪ **COOLERS**

- ☐ Not Received (received COC only)
- ☐ Leaking/Damaged
- ☐ Other:

▪ **CUSTODY SEALS**

- ☐ None
- ☐ Not Intact

▪ **TEMPERATURE (Temp criteria =  $\leq 6^{\circ}\text{C}$ )**

- ☐ Cooler/Sample Temp(s)
- ☐ Temperature Blank(s)

▪ **CHAIN OF CUSTODY (COC)**

- ☐ Not relinquished by client; No date/time relinquished
- ☐ Incomplete information provided
- ☐ COC not received – notify PM

▪ **CONTAINERS**

- ☐ Leaking      ☒ Broken
- ☐ Extra        ☐ Missing

▪ **LABELS**

- ☐ Not the same sample ID / info as on the COC
- ☐ Incomplete Information
- ☐ Markings/Info illegible

▪ **SAMPLES**

- ☐ Samples **NOT RECEIVED** but listed on COC
- ☐ Samples received but **NOT LISTED** on COC
- ☐ Logged based on Label Information and not COC
- ☐ Logged according to Work Plan and not COC
- ☐ Logged in, **ON HOLD** until further notice
- ☐ Insufficient quantities for analysis
- ☐ Improper container used
- ☐ Misabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Not preserved/Improper preservative used
- ☐ Without Labels, no information on containers
- ☐ Other

Comments: TWO VIALS FROM SAMPLE (B2) BROKE DURING TRANSIT.

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction													Preser.
VOA													

**WORK ORDER**

**T172875**

**Client: Krazan, Clovis**

**Project: Prop Residential Development Property**

**Project Manager: Lisa Nguyen**

**Project Number: 03417125**

**Report To:**

Krazan, Clovis

Martin Groth

215 West Dakota Avenue

Clovis, CA 93612

Date Due: 11/13/17 17:00 (5 day TAT)

Received By: Sunny Lounethone

Date Received: 11/04/17 08:40

Logged In By: Sunny Lounethone

Date Logged In: 11/04/17 08:47

Samples Received at: 5°C

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confirmed Yes

Analysis	Due	TAT	Expires	Comments
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**T172875-01 B1 [Water] Sampled 11/02/17 10:30 (GMT-08:00) Pacific Time (US &**

6010 Pb	11/13/17 15:00	5	05/01/18 10:30
8015 Carbon Chain	11/13/17 15:00	5	11/09/17 10:30
8260	11/13/17 15:00	5	11/16/17 10:30

**T172875-02 B2 [Water] Sampled 11/02/17 11:45 (GMT-08:00) Pacific Time (US & Two vials broke during transit.**

6010 Pb	11/13/17 15:00	5	05/01/18 11:45
8015 Carbon Chain	11/13/17 15:00	5	11/09/17 11:45
8260	11/13/17 15:00	5	11/16/17 11:45



## Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868

Tel: (714)771-6900 Fax: (714)538-1209

www.enthalpy.com

info-sc@enthalpy.com



Client: Krazan & Associates, Inc.  
Address: 215 W. Dakota Avenue  
Clovis, CA 93612

Attn: Martin Groth

Lab Request: 395784  
Report Date: 11/03/2017  
Date Received: 10/24/2017  
Client ID: 14212

Comments: 03417125 - Proposed Res Dev Property

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

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<u>Sample #</u>	<u>Client Sample ID</u>
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395784-004	Comp-1
395784-008	Comp-2
395784-012	Comp-3
395784-017	Comp-4
395784-018	A-1
395784-019	A-2
395784-020	A-3
395784-021	A-4
395784-022	A-5
395784-023	A-6
395784-024	A-7

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Diane Galvan, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017	<b>Site:</b>	
<b>Sample #:</b> 395784-004	<b>Client Sample #:</b> Comp-1	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8081A NELAC	Prep Method: EPA 3545		QCBatchID: QC1183823				
4,4'-DDD	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDE	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDT	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
a-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Aldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
b-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB L
Chlordane (technical)	ND	1	50	ug/Kg	10/25/17	10/25/17	DB
d-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Dieldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan I	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan II	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan sulfate	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin aldehyde	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin Ketone	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor epoxide	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Methoxychlor	ND	1	10	ug/Kg	10/25/17	10/25/17	DB
Toxaphene	ND	1	100	ug/Kg	10/25/17	10/25/17	DB
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	81		50-150				
Tetrachloro-m-xylene TCMX (SUR)	87		50-150				

Method: EPA 8151A NELAC	Prep Method: See Attached	QCBatchID:
See Attached	1	

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017	<b>Site:</b>	
<b>Sample #:</b> <u>395784-008</u>	<b>Client Sample #:</b> Comp-2	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545		QCBatchID: QC1183823				
4,4'-DDD	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDE	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDT	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
a-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Aldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
b-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB L
Chlordane (technical)	ND	1	50	ug/Kg	10/25/17	10/25/17	DB
d-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Dieldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan I	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan II	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan sulfate	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin aldehyde	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin Ketone	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor epoxide	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Methoxychlor	ND	1	10	ug/Kg	10/25/17	10/25/17	DB
Toxaphene	ND	1	100	ug/Kg	10/25/17	10/25/17	DB
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	74		50-150				
Tetrachloro-m-xylene TCMX (SUR)	79		50-150				

Method: EPA 8151A <i>NELAC</i>	Prep Method: See Attached	QCBatchID:
See Attached	1	

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017	<b>Site:</b>	
<b>Sample #:</b> <u>395784-012</u>	<b>Client Sample #:</b> Comp-3	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545		QCBatchID: QC1183823				
4,4'-DDD	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDE	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDT	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
a-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Aldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
b-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB L
Chlordane (technical)	ND	1	50	ug/Kg	10/25/17	10/25/17	DB
d-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Dieldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan I	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan II	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan sulfate	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin aldehyde	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin Ketone	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor epoxide	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Methoxychlor	ND	1	10	ug/Kg	10/25/17	10/25/17	DB
Toxaphene	ND	1	100	ug/Kg	10/25/17	10/25/17	DB
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	68		50-150				
Tetrachloro-m-xylene TCMX (SUR)	82		50-150				

Method: EPA 8151A <i>NELAC</i>	Prep Method: See Attached	QCBatchID:
See Attached	1	

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017	<b>Site:</b>	
<b>Sample #:</b> <u>395784-017</u>	<b>Client Sample #:</b> Comp-4	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 8081A <i>NELAC</i>	Prep Method: EPA 3545					QCBatchID: QC1183823	
4,4'-DDD	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDE	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
4,4'-DDT	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
a-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Aldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
b-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB L
Chlordane (technical)	ND	1	50	ug/Kg	10/25/17	10/25/17	DB
d-BHC	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Dieldrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan I	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan II	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endosulfan sulfate	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin aldehyde	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Endrin Ketone	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Heptachlor epoxide	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	10/25/17	10/25/17	DB
Methoxychlor	ND	1	10	ug/Kg	10/25/17	10/25/17	DB
Toxaphene	ND	1	100	ug/Kg	10/25/17	10/25/17	DB
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	71		50-150				
Tetrachloro-m-xylene TCMX (SUR)	82		50-150				

Method: EPA 8151A <i>NELAC</i>	Prep Method: See Attached	QCBatchID:
See Attached	1	

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 12:46	<b>Site:</b>	
<b>Sample #:</b> <u>395784-018</u>	<b>Client Sample #:</b> A-1	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>5.95</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 13:09	<b>Site:</b>	
<b>Sample #:</b> <u>395784-019</u>	<b>Client Sample #:</b> A-2	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>3.93</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 13:21	<b>Site:</b>	
<b>Sample #:</b> <u>395784-020</u>	<b>Client Sample #:</b> A-3	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>9.86</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN



<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 13:38	<b>Site:</b>	
<b>Sample #:</b> <u>395784-021</u>	<b>Client Sample #:</b> A-4	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>6.11</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 13:59	<b>Site:</b>	
<b>Sample #:</b> <u>395784-022</u>	<b>Client Sample #:</b> A-5	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>13.0</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 14:08	<b>Site:</b>	
<b>Sample #:</b> <u>395784-023</u>	<b>Client Sample #:</b> A-6	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>10.9</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

<b>Matrix:</b> Solid	<b>Client:</b> Krazan & Associates, Inc.	<b>Collector:</b> Client
<b>Sampled:</b> 10/18/2017 14:33	<b>Site:</b>	
<b>Sample #:</b> <u>395784-024</u>	<b>Client Sample #:</b> A-7	<b>Sample Type:</b>

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1183846	
<b>Arsenic</b>	<b>8.62</b>	1	1	mg/Kg	10/25/17	10/26/17	KLN

QCBatchID: **QC1183823**

Analyst: dbiedenkapp

Method: EPA 8081A

Matrix: Solid

Analyzed: 10/25/2017

Instrument: SVOA-GC (group)

**Blank Summary**

Analyte	Blank Result	Units	RDL	Notes
<b>QC1183823MB1</b>				
4,4'-DDD	ND	ug/Kg	5	
4,4'-DDE	ND	ug/Kg	5	
4,4'-DDT	ND	ug/Kg	5	
a-BHC	ND	ug/Kg	5	
Aldrin	ND	ug/Kg	5	
b-BHC	ND	ug/Kg	5	
Chlordane (technical)	ND	ug/Kg	50	
d-BHC	ND	ug/Kg	5	
Dieldrin	ND	ug/Kg	5	
Endosulfan I	ND	ug/Kg	5	
Endosulfan II	ND	ug/Kg	5	
Endosulfan sulfate	ND	ug/Kg	5	
Endrin	ND	ug/Kg	5	
Endrin aldehyde	ND	ug/Kg	5	
Endrin Ketone	ND	ug/Kg	5	
Heptachlor	ND	ug/Kg	5	
Heptachlor epoxide	ND	ug/Kg	5	
Lindane (Gamma-BHC)	ND	ug/Kg	5	
Methoxychlor	ND	ug/Kg	10	
Toxaphene	ND	ug/Kg	100	

**Lab Control Spike/ Lab Control Spike Duplicate Summary**

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1183823LCS1											
4,4'-DDD	50		54		ug/Kg	108			70-130		
4,4'-DDE	50		48		ug/Kg	96			70-130		
4,4'-DDT	50		49		ug/Kg	98			70-130		
a-BHC	50		51		ug/Kg	102			70-130		
Aldrin	50		47		ug/Kg	94			70-130		
b-BHC	50		28		ug/Kg	56			70-130		L
d-BHC	50		56		ug/Kg	112			70-130		
Dieldrin	50		46		ug/Kg	92			70-130		
Endosulfan I	50		45		ug/Kg	90			70-130		
Endosulfan II	50		46		ug/Kg	92			70-130		
Endosulfan sulfate	50		48		ug/Kg	96			70-130		
Endrin	50		49		ug/Kg	98			70-130		
Endrin aldehyde	50		40		ug/Kg	80			70-130		
Endrin Ketone	50		48		ug/Kg	96			70-130		
Heptachlor	50		50		ug/Kg	100			70-130		
Heptachlor epoxide	50		46		ug/Kg	92			70-130		
Lindane (Gamma-BHC)	50		52		ug/Kg	104			70-130		
Methoxychlor	50		54		ug/Kg	108			70-130		

**Matrix Spike/Matrix Spike Duplicate Summary**

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1183823MS1, QC1183823MSD1												Source: 395784-004
4,4'-DDD	ND	50	50	55	58	ug/Kg	110	116	5.3	70-130	20	
4,4'-DDE	ND	50	50	49	52	ug/Kg	98	104	5.9	70-130	20	
4,4'-DDT	ND	50	50	49	53	ug/Kg	98	106	7.8	70-130	20	

<b>QCBatchID:</b> <u>QC1183823</u>	<b>Analyst:</b> dbiedenkapp	<b>Method:</b> EPA 8081A
<b>Matrix:</b> Solid	<b>Analyzed:</b> 10/25/2017	<b>Instrument:</b> SVOA-GC (group)

Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1183823MS1, QC1183823MSD1											Source: 395784-004	
a-BHC	ND	50	50	53	55	ug/Kg	106	110	3.7	70-130	20	M
Aldrin	ND	50	50	48	51	ug/Kg	96	102	6.1	70-130	20	
b-BHC	ND	50	50	29	33	ug/Kg	58	66	12.9	70-130	20	
d-BHC	ND	50	50	59	63	ug/Kg	118	126	6.6	70-130	20	
Dieldrin	ND	50	50	47	50	ug/Kg	94	100	6.2	70-130	20	
Endosulfan I	ND	50	50	44	48	ug/Kg	88	96	8.7	70-130	20	
Endosulfan II	ND	50	50	45	48	ug/Kg	90	96	6.5	70-130	20	
Endosulfan sulfate	ND	50	50	48	51	ug/Kg	96	102	6.1	70-130	20	
Endrin	ND	50	50	50	54	ug/Kg	100	108	7.7	70-130	20	
Endrin aldehyde	ND	50	50	39	41	ug/Kg	78	82	5.0	70-130	20	
Endrin Ketone	ND	50	50	48	51	ug/Kg	96	102	6.1	70-130	20	
Heptachlor	ND	50	50	52	56	ug/Kg	104	112	7.4	70-130	20	
Heptachlor epoxide	ND	50	50	47	50	ug/Kg	94	100	6.2	70-130	20	
Lindane (Gamma-BHC)	ND	50	50	54	56	ug/Kg	108	112	3.6	70-130	20	
Methoxychlor	ND	50	50	53	56	ug/Kg	106	112	5.5	70-130	20	

<b>QCBatchID:</b> <u>QC1183846</u>	<b>Analyst:</b> dswafford	<b>Method:</b> EPA 6010B
<b>Matrix:</b> Solid	<b>Analyzed:</b> 10/25/2017	<b>Instrument:</b> AAICP (group)

<b>Blank Summary</b>						
Analyte	Blank Result	Units		RDL	Notes	
<b>QC1183846MB1</b>						
Arsenic	ND	mg/Kg		1		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1183846LCS1											
Arsenic	100		102		mg/Kg	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1183846MS1, QC1183846MSD1												Source: 395784-018
Arsenic	5.95	100	100	109	101	mg/Kg	103	95	7.6	75-125	20	

# Data Qualifiers and Definitions

## Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

# Krazan & Associates, Inc.

215 W. Dakota Avenue, Clovis, CA 93612, (559) 348-2200, FAX (559) 348-2190

## CHAIN-OF-CUSTODY RECORD

DATE: 10/23/17 Lab ID: 395-784

Client:				Krazan & Associates, Inc.				REQUESTED ANALYSIS			
Address:				215 West Dakota Avenue Clovis, CA 93612				Organochlorine Pesticides by 808			
Sampled By:				Martin Groth				Organochlorine Herbicides by 81			
Phone:				(559) 348-2200							
FAX:				(559) 348-2190							
Project Manager:				Martin Groth							
Project Job:				03417125 - Proposed Res Dev Property							
Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container #	Type						
1 S-1	10/18/17	12:45	Soil	1	SL						
2 S-2	10/18/17	12:56	Soil	1	SL						
3 S-3	10/18/17	1:07	Soil	1	SL						
4 S-4	10/18/17	1:12	Soil	1	SL						
5 S-5	10/18/17	1:20	Soil	1	SL						
6 S-6	10/18/17	1:27	Soil	1	SL						
7 S-7	10/18/17	1:36	Soil	1	SL						
8 S-8	10/18/17	1:43	Soil	1	SL						
9 S-9	10/18/17	1:57	Soil	1	SL						
Correct Containers:						Yes		No			
Sample Temperature:						Ambient		Cold			
Sample Preservative:						Yes		No			
Turnaround Time:						Normal		Specify:			
<p>Comments:</p> <p>COMP-1 27 COMP-2 27</p> <p>Please composite soil samples (S-1, S-2 &amp; S-3); (S-4, S-5 &amp; S-6); (S-7, S-8 &amp; S-9); and (S-10, S-11, S-12, &amp; S-13)</p> <p>COMP-3 3 COMP-4 4</p> <p>Please run 8081 &amp; 8151 analysis on four (4) composite samples only</p> <p>PLEASE RETURN ICE CHEST &amp; ICE PACKS</p>											
RELINQUISHED BY						RECEIVED BY					
Signature: Martin Groth						Signature: [Signature]					
Print: Martin Groth						Print: [Signature]					
Company: Krazan						Company: [Signature]					
Date: 10/23/17 Time: 3:45						Date: 10/24/17 Time: 14:40					
Signature:						Signature:					
Print:						Print:					
Company:						Company:					
Date:						Date:					
Signature:						Signature:					
Print:						Print:					
Company:						Company:					
Date:						Date:					

# Krazan & Associates, Inc.

215 W. Dakota Avenue, Clovis, CA 93612, (559) 348-2200, FAX (559) 348-2190

## CHAIN-OF-CUSTODY RECORD

DATE: 10/23/17 Lab ID:

Client:		Krazan & Associates, Inc.		REQUESTED ANALYSIS									
Address:		215 West Dakota Avenue Clovis, CA 93612		Organochlorine Pesticides by 808									
Sampled By:		Martin Groth		Organochlorine Herbicides by 81									
Phone:		(559) 348-2200											
FAX:		(559) 348-2190											
Project Manager:		Martin Groth											
Project Job:		03417125 - Proposed Res Dev Property											
Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container		Arsenic by 6010B	CORP-1 X X						
				#	Type								
10 S-10	10/18/17	2:07	Soil	1	SL								
11 S-11	10/18/17	2:17	Soil	1	SL								
12 S-12	10/18/17	2:21	Soil	1	SL								
13 S-13	10/18/17	2:30	Soil	1	SL								
14 A-1	10/18/17	12:46	Soil	1	SL	X							
15 A-2	10/18/17	1:09	Soil	1	SL	X							
16 A-3	10/18/17	1:21	Soil	1	SL	X							
17 A-4	10/18/17	1:38	Soil	1	SL	X							
18 A-5	10/18/17	1:59	Soil	1	SL	X							
19 A-6	10/18/17	2:08	Soil	1	SL	X							
Correct Containers:		Yes	No										
Sample Temperature:		Ambient	Cold										
Sample Preservative:		Yes	No										
Turnaround Time:		Normal	Specify:										
Comments:				RELINQUISHED BY					RECEIVED BY				
<p>comp-1 comp-2</p> <p>Please composite soil samples (S-1, S-2 &amp; S-3); (S-4, S-5 &amp; S-6); (S-7, S-8 &amp; S-9); and (S-10, S-11, S-12, &amp; S-13)</p> <p>comp-3 comp-4</p> <p>Please run 8081 &amp; 8151 analysis on four (4) composite samples only</p> <p>PLEASE RETURN ICE CHEST &amp; ICE PACKS</p>				Signature: Martin Groth					Signature: [Signature]				
				Print: Martin Groth					Print: [Signature]				
				Company: Krazan					Company: [Signature]				
				Date: 10/23/17 Time: 3:45					Date: 10/24/17 Time: 6:00				
				Signature:					Signature:				
				Print:					Print:				
				Company:					Company:				
				Date:					Date:				
				Signature:					Signature:				
				Print:					Print:				
				Company:					Company:				
				Date:					Date:				
				Signature:					Signature:				
				Print:					Print:				
				Company:					Company:				
				Date:					Date:				



# Krazan & Associates, Inc.

215 W. Dakota Avenue, Clovis, CA 93612, (559) 348-2200, FAX (559) 348-2190

## CHAIN-OF-CUSTODY RECORD

DATE: 10/23/17 Lab ID:

Client:		Krazan & Associates, Inc.				REQUESTED ANALYSIS												
Address:		215 West Dakota Avenue Clovis, CA 93612																
Sampled By:		Martin Groth																
Phone:		(559) 348-2200																
FAX:		(559) 348-2190																
Project Manager:		Martin Groth																
Project Job:		03417125 - Proposed Res Dev Property																
Client Sample ID		Sample Date	Sample Time	Sample Matrix	Container #	Type												
20	A-7	10/18/17	2:33	Soil	1	SL	Arsenic by 6010B											
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
Correct Containers:		Yes	No											RELINQUISHED BY		RECEIVED BY		
Sample Temperature:		Ambient	Cold	Warm											Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Sample Preservative:		Yes	No												Print: Martin Groth		Print: <i>[Signature]</i>	
Turnaround Time:		Normal	Specify:												Company: Krazan		Company: <i>[Signature]</i>	
Comments:												Date: 10/23/18		Date: 10/24/17				
												Time: 3:45		Time: 14:00				
												Signature:		Signature:				
												Print:		Print:				
												Company:		Company:				
												Date:		Date:				
												Signature:		Signature:				
												Print:		Print:				
												Company:		Company:				
												Date:		Date:				
												Signature:		Signature:				
												Print:		Print:				
												Company:		Company:				
												Date:		Date:				

PLEASE RETURN ICE CHEST & ICE PACKS



# ENTHALPY ANALYTICAL

## SAMPLE ACCEPTANCE CHECKLIST

### Section 1

Client: Krazan & AssociatesProject: Proposed Res DevDate Received: 10/24/17Sampler's Name Present: ☒ Yes ☐ No

### Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)Sample Temp (°C)  
(No Cooler) : \_\_\_\_\_Sample Temp (°C), One from each cooler: #1: 4.8 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_*(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)*

Shipping Information: \_\_\_\_\_

### Section 3

Was the cooler packed with: ☐ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other \_\_\_\_\_Cooler Temp (°C): #1: -0.3 #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

### Section 4

	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>		
Are sample IDs present?	<input checked="" type="checkbox"/>		
Are sampling dates & times present?	<input checked="" type="checkbox"/>		
Is a relinquished signature present?	<input checked="" type="checkbox"/>		
Are the tests required clearly indicated on the COC?	<input checked="" type="checkbox"/>		
Are custody seals present?		<input checked="" type="checkbox"/>	
If custody seals are present, were they intact?			<input checked="" type="checkbox"/>
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			<input checked="" type="checkbox"/>
Did all samples arrive intact? If no, indicate in Section 4 below.	<input checked="" type="checkbox"/>		
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>		
Were the samples collected in the correct containers for the required tests?	<input checked="" type="checkbox"/>		
Are the containers labeled with the correct preservatives?			<input checked="" type="checkbox"/>
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			<input checked="" type="checkbox"/>
Was a sufficient amount of sample submitted for the requested tests?	<input checked="" type="checkbox"/>		

### Section 5 Explanations/Comments

### Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
☐ Email (email sent to/on): \_\_\_\_\_ / \_\_\_\_\_

Project Manager's response: \_\_\_\_\_

Completed By: G Date: 10/25/17

ORIGIN D/FATA (559) 348-2200  
 MARTIN GROTH  
 KRAZAN & ASSOCIATES, INC  
 215 W DAKOTA AVE  
 CL OVIS, CA 93612  
 UNITED STATES US

SHIP DATE: 23OCT17  
 ACTWGT: 10.00 LB  
 CAD: 8360127IN/NET 3920

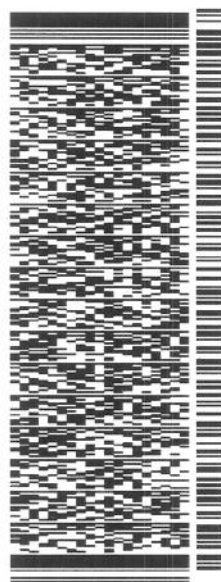
BILL SENDER

TO

**ENTHALPY ANALYTICAL, INC.**  
**931 WEST BARKLEY AVENUE**

**ORANGE CA 92868**

(714) 771-6900 REF: 03417126 IMG  
 INV DEPT



J172117091301un

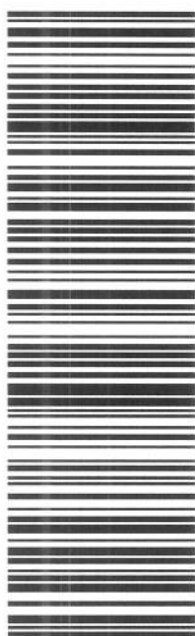
549J494FC104C

TRK# 7705 6733 1316  
 0201

**TUE - 24 OCT 10:30A**  
**PRIORITY OVERNIGHT**

**WZ APVA**

92868  
 CA-US SNA



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

### Ordered By

Enthalpy Analytical  
1 Park Plaza Suite 1000  
Irvine, CA 92614-

Number of Pages 4  
Date Received 10/26/2017  
Date Reported 11/03/2017

Telephone: (714)771-6900  
Attention: Diane Galvan

Job Number	Order Date	Client
90009	10/26/2017	ENTANA

Project ID: 395784  
Project Name: PO# 395784

Enclosed please find results of analyses of 4 solid samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# Enthalpy Analytical

Formerly Associated Labs

1 Park Plaza, Suite 1000

Irvine, CA 92614

Tel: 714.771.6900 Fax: 714.538.1209

info-sc@enthalpy.com



## Subcontract Laboratory:

American Environmental Testing Lab

2834 North Naomi Street

Burbank, CA 91504

818-845-8200

ATTN: Jim Lin

PO# 395784

Project: 395784 Due:

PM: Diane Galvan

Email: diane.galvan@enthalpy.com

CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

90009

## Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Solid	10/18/17 00:00	Comp-1 (395784-004)	8151_OUT	Herbicides 90009.01
Solid	10/18/17 00:00	Comp-2 (395784-008)	8151_OUT	Herbicides 90009.02
Solid	10/18/17 00:00	Comp-3 (395784-012)	8151_OUT	Herbicides 90009.03
Solid	10/18/17 00:00	Comp-4 (395784-017)	8151_OUT	Herbicides 90009.04

## Note:

Standard TAT.

Relinquished By

Date/Time

Date/Time

Received By:

Date/Time

Date/Time



# American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

## COOLER RECEIPT FORM

Client Name: <u>Ecatholpy Analytical</u>			
Project Name:			
AETL Job Number: <u>90007, 90008 &amp; 90009</u>			
Date Received: <u>10/26/17</u> Received by: <u>Sean Claude</u>			
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler ( <u>1</u> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>34°</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <u>HNO<sub>3</sub></u> , <u>NaOH</u> , <u>ZnOAc</u> , <u>HCl</u> , <u>Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub></u> , <u>MeOH</u>			
Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>		
2. Are the Sample labels legible?	<input checked="" type="checkbox"/>		
3. Do samples match the COC?	<input checked="" type="checkbox"/>		
4. Are the required analyses clear?	<input checked="" type="checkbox"/>		
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>		
6. Are samples sealed with evidence tape?	<u>NA</u>		
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>		
8. Are samples preserved?	<input checked="" type="checkbox"/>		
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>		
10. Are the VOAs free of headspace?	<u>NA</u>		
11. Are the jars free of headspace?	<input checked="" type="checkbox"/>		

Explain all "No" answers for above questions:




# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

## Ordered By

Enthalpy Analytical  
1 Park Plaza Suite 1000  
Irvine, CA 92614-

Project ID: 395784  
Date Received 10/26/2017  
Date Reported 11/03/2017

Telephone: (714) 771-6900  
Attention: Diane Galvan

Job Number	Order Date	Client
90009	10/26/2017	ENTANA

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 4 samples with the following specification on 10/26/2017.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
90009.01	Comp-1 (395784-004)	10/18/2017	Solid	1
90009.02	Comp-2 (395784-008)	10/18/2017	Solid	1
90009.03	Comp-3 (395784-012)	10/18/2017	Solid	1
90009.04	Comp-4 (395784-017)	10/18/2017	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(8151A)	11/02/2017	2	Normal	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody.  
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director





## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

### ANALYTICAL RESULTS

#### Ordered By

Enthalpy Analytical  
1 Park Plaza  
Suite 1000  
Irvine, CA 92614-

Telephone: (714)771-6900

Attn: Diane Galvan

Page: 2

Project ID: 395784

Project Name: PO# 395784

AETL Job Number	Submitted	Client
90009	10/26/2017	ENTANA

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 103017MB1

Our Lab I.D.			Method Blank	90009.01	90009.02	90009.03	90009.04
Client Sample I.D.				Comp-1 (395784-004)	Comp-2 (395784-008)	Comp-3 (395784-012)	Comp-4 (395784-017)
Date Sampled				10/18/2017	10/18/2017	10/18/2017	10/18/2017
Date Prepared			10/30/2017	10/30/2017	10/30/2017	10/30/2017	10/30/2017
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			10/31/2017	10/31/2017	10/31/2017	10/31/2017	10/31/2017
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

### ANALYTICAL RESULTS

Page: 3

Project ID: 395784  
Project Name: PO# 395784

AETL Job Number	Submitted	Client
90009	10/26/2017	ENTANA

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.			Method Blank	90009.01	90009.02	90009.03	90009.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150		67.6	61.2	44.8	66.8	52.6



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## QUALITY CONTROL RESULTS

### Ordered By

Enthalpy Analytical  
1 Park Plaza  
Suite 1000  
Irvine, CA 92614-

Telephone: (714)771-6900

Attn: Diane Galvan

Page: 4

Project ID: 395784

Project Name: PO# 395784

AETL Job Number	Submitted	Client
90009	10/26/2017	ENTANA

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 103017MB1; Dup or Spiked Sample: 90007.05; LCS: Blank; QC Prepared: 10/30/2017; QC Analyzed: 10/31/2017;  
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
2,4-D	0.00	25.0	24.7	98.8	25.0	25.5	102	3.2	40-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	25.0	14.0	56.0	25.0	15.4	61.6	9.5	40-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	25.0	14.9	59.6	25.0	18.1	72.4	19.4	40-140	<40
<b>Surrogates</b>										
DCAA	0.00	50.0	51.5	103	50.0	48.8	97.6	5.4	40-140	<40

QC Batch No: 103017MB1; Dup or Spiked Sample: 90007.05; LCS: Blank; QC Prepared: 10/30/2017; QC Analyzed: 10/31/2017;  
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
2,4-D	25.0	19.1	76.4	25.0	22.3	89.2	15.5	50-140	<40	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	22.9	91.6	25.0	22.9	91.6	<1	50-140	<40	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	20.9	83.6	25.0	22.9	91.6	9.1	50-140	<40	
<b>LCS</b>										
Dalapon	25.0	20.3	81.2	25.0	23.7	94.8	15.5	50-140	<40	
2,4-DB	25.0	21.6	86.4	25.0	22.7	90.8	5.0	50-140	<40	
Dicamba	25.0	22.6	90.4	25.0	21.2	84.8	6.4	50-140	<40	
Dichloroprop	25.0	15.5	62.0	25.0	18.7	74.8	18.7	50-140	<40	
MCPA	2,500	1,970	78.6	2,500	2,240	89.7	13.2	50-140	<40	
MCPP	2,500	2,700	108	2,500	2,470	98.7	9.0	50-140	<40	
2,4,5-TP	25.0	23.1	92.4	25.0	26.8	107	14.6	50-140	<40	
<b>Surrogates</b>										
DCAA	50.0	46.8	93.6	50.0	39.8	79.6	16.2	50-140	<40	



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### Data Qualifiers and Descriptors

#### ***Data Qualifier:***

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

#### ***Definition:***

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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### Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

---



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

14 November 2017

Martin Groth  
Krazan, Clovis  
215 West Dakota Avenue  
Clovis, CA 93612  
RE: Proposed Residential

Enclosed are the results of analyses for samples received by the laboratory on 11/06/17 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen  
Project Manager Assistant



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1	T172879-01	Air	11/01/17 03:56	11/06/17 09:45
SV-2	T172879-02	Air	11/01/17 04:12	11/06/17 09:45
SV-3	T172879-03	Air	11/01/17 04:15	11/06/17 09:45
SV-4	T172879-04	Air	11/01/17 04:28	11/06/17 09:45
SV-5	T172879-05	Air	11/01/17 04:45	11/06/17 09:45
SV-6	T172879-06	Air	11/01/17 05:03	11/06/17 09:45
SV-7	T172879-07	Air	11/02/17 09:26	11/06/17 09:45
SV-8	T172879-08	Air	11/02/17 09:03	11/06/17 09:45

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa Nguyen, Project Manager Assistant



Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

### DETECTIONS SUMMARY

**Sample ID:** SV-1

**Laboratory ID:** T172879-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	400	12	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	45	13	ug/m <sup>3</sup> Air	TO-15	
Heptane	12	4.2	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	17	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	16	5.5	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	74	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	19	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	8.5	3.8	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-2

**Laboratory ID:** T172879-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	260	12	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	56	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	8.1	5.5	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-3

**Laboratory ID:** T172879-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	230	12	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	15	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	48	5.5	ug/m <sup>3</sup> Air	TO-15	
Benzene	8.6	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	3.9	3.8	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-4

**Laboratory ID:** T172879-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	340	12	ug/m <sup>3</sup> Air	TO-15	
Heptane	4.8	4.2	ug/m <sup>3</sup> Air	TO-15	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**Sample ID:** SV-4

**Laboratory ID:** T172879-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
2-Butanone (MEK)	47	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	4.1	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	4.1	3.8	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-5

**Laboratory ID:** T172879-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	200	12	ug/m <sup>3</sup> Air	TO-15	
Chloroform	51	5.0	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	16	5.5	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	46	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	6.7	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	8.2	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-6

**Laboratory ID:** T172879-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	130	12	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	4.2	3.2	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	20	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	12	5.5	ug/m <sup>3</sup> Air	TO-15	
Benzene	8.7	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	6.7	3.8	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SV-7

**Laboratory ID:** T172879-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	110	12	ug/m <sup>3</sup> Air	TO-15	
Chloroform	31	5.0	ug/m <sup>3</sup> Air	TO-15	
Heptane	28	4.2	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	7.4	5.5	ug/m <sup>3</sup> Air	TO-15	
Benzene	70	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	21	3.8	ug/m <sup>3</sup> Air	TO-15	

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**Sample ID:** SV-8

**Laboratory ID:** T172879-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Acetone	290	12		ug/m <sup>3</sup> Air	TO-15	
Bromodichloromethane	10	6.8		ug/m <sup>3</sup> Air	TO-15	
Chloroform	86	5.0		ug/m <sup>3</sup> Air	TO-15	
Heptane	26	4.2		ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	71	15		ug/m <sup>3</sup> Air	TO-15	
Benzene	34	3.3		ug/m <sup>3</sup> Air	TO-15	
Toluene	35	3.8		ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	5.3	4.4		ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.8	4.4		ug/m <sup>3</sup> Air	TO-15	

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-1**  
**T172879-01 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.61	7110722	11/07/17	11/13/17	TO-15
<b>Acetone</b>	<b>400</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
<b>Isopropyl alcohol</b>	<b>45</b>	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
<b>Heptane</b>	<b>12</b>	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-1**  
**T172879-01 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.61	7110722	11/07/17	11/13/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>17</b>	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>16</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>74</b>	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>19</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>8.5</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 91.5 % 40-160 " " " "

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-2**  
**T172879-02 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.62	7110722	11/07/17	11/08/17	TO-15
<b>Acetone</b>	<b>260</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
Heptane	ND	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-2**  
**T172879-02 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.62	7110722	11/07/17	11/08/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>56</b>	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>8.1</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
2-Butanone (MEK)	ND	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
Benzene	ND	3.3	"	"	"	"	"	"
Toluene	ND	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		84.6 %	40-160		"	"	"	"

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Lisa Nguyen, Project Manager Assistant



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215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-3**  
**T172879-03 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.63	7110722	11/07/17	11/08/17	TO-15
<b>Acetone</b>	<b>230</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
Heptane	ND	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-3**  
**T172879-03 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.63	7110722	11/07/17	11/08/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>15</b>	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>48</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
2-Butanone (MEK)	ND	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>8.6</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>3.9</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 82.9 % 40-160 " " " "

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Lisa Nguyen, Project Manager Assistant

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Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-4**

**T172879-04 (Air)**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.53	7110722	11/07/17	11/08/17	TO-15
<b>Acetone</b>	<b>340</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
<b>Heptane</b>	<b>4.8</b>	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-4**

**T172879-04 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.53	7110722	11/07/17	11/08/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
Tetrachloroethene	ND	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
Trichloroethene	ND	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>47</b>	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>4.1</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>4.1</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 87.4 % 40-160 " " " "

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-5**

**T172879-05 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.73	7110722	11/07/17	11/10/17	TO-15
<b>Acetone</b>	<b>200</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
<b>Chloroform</b>	<b>51</b>	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
Heptane	ND	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-5**

**T172879-05 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.73	7110722	11/07/17	11/10/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
Tetrachloroethene	ND	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>16</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>46</b>	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>6.7</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>8.2</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
<b>m,p-Xylene</b>	<b>15</b>	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 88.3 % 40-160 " " " "

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Lisa Nguyen, Project Manager Assistant

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Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-6**  
**T172879-06 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.58	7110722	11/07/17	11/10/17	TO-15
<b>Acetone</b>	<b>130</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
<b>Carbon Disulfide</b>	<b>4.2</b>	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
Heptane	ND	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant



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215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-6**  
**T172879-06 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.58	7110722	11/07/17	11/10/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>20</b>	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>12</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
2-Butanone (MEK)	ND	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>8.7</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>6.7</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 89.0 % 40-160 " " " "

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-7**

**T172879-07 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.39	7110722	11/07/17	11/10/17	TO-15
<b>Acetone</b>	<b>110</b>	12	"	"	"	"	"	"
1,3-Butadiene	ND	4.5	"	"	"	"	"	"
Carbon Disulfide	ND	3.2	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"
Isopropyl alcohol	ND	13	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
Bromoform	ND	11	"	"	"	"	"	"
Bromomethane	ND	4.0	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Chlorobenzene	ND	4.7	"	"	"	"	"	"
Chloroethane	ND	2.7	"	"	"	"	"	"
<b>Chloroform</b>	<b>31</b>	5.0	"	"	"	"	"	"
Chloromethane	ND	11	"	"	"	"	"	"
Cyclohexane	ND	3.5	"	"	"	"	"	"
<b>Heptane</b>	<b>28</b>	4.2	"	"	"	"	"	"
Hexane	ND	3.6	"	"	"	"	"	"
Dibromochloromethane	ND	8.7	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-7**

**T172879-07 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

4-Ethyltoluene	ND	5.0	ug/m <sup>3</sup> Air	1.39	7110722	11/07/17	11/10/17	TO-15
Methylene chloride	ND	3.5	"	"	"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
Tetrachloroethene	ND	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
<b>Trichloroethene</b>	<b>7.4</b>	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
2-Butanone (MEK)	ND	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>70</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>21</b>	3.8	"	"	"	"	"	"
Ethylbenzene	ND	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
o-Xylene	ND	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 87.8 % 40-160 " " " "

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

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Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-8**

**T172879-08 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air	1.52	7110722	11/07/17	11/13/17	TO-15	
<b>Acetone</b>	<b>290</b>	12	"	"	"	"	"	"	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>10</b>	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>86</b>	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>26</b>	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**SV-8**

**T172879-08 (Air)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TO-15**

Methylene chloride	ND	3.5	ug/m <sup>3</sup> Air	1.52	7110722	11/07/17	11/13/17	TO-15
Styrene	ND	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"
Tetrachloroethene	ND	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"
Trichloroethene	ND	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
Vinyl acetate	ND	3.6	"	"	"	"	"	"
Vinyl chloride	ND	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	18	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>71</b>	15	"	"	"	"	"	"
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"
<b>Benzene</b>	<b>34</b>	3.3	"	"	"	"	"	"
<b>Toluene</b>	<b>35</b>	3.8	"	"	"	"	"	"
<b>Ethylbenzene</b>	<b>5.3</b>	4.4	"	"	"	"	"	"
m,p-Xylene	ND	8.8	"	"	"	"	"	"
<b>o-Xylene</b>	<b>4.8</b>	4.4	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 94.1 % 40-160 " " " "

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7110722 - Canister Analysis**

**Blank (7110722-BLK1)**

Prepared: 11/07/17 Analyzed: 11/10/17

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air
Acetone	ND	12	"
1,3-Butadiene	ND	4.5	"
Carbon Disulfide	ND	3.2	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"
Isopropyl alcohol	ND	13	"
Bromodichloromethane	ND	6.8	"
Bromoform	ND	11	"
Bromomethane	ND	4.0	"
Carbon tetrachloride	ND	6.4	"
Chlorobenzene	ND	4.7	"
Chloroethane	ND	2.7	"
Chloroform	ND	5.0	"
Chloromethane	ND	11	"
Cyclohexane	ND	3.5	"
Heptane	ND	4.2	"
Hexane	ND	3.6	"
Dibromochloromethane	ND	8.7	"
1,2-Dibromoethane (EDB)	ND	7.8	"
1,2-Dichlorobenzene	ND	6.1	"
1,3-Dichlorobenzene	ND	6.1	"
1,4-Dichlorobenzene	ND	6.1	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	4.1	"
1,2-Dichloroethane	ND	4.1	"
1,1-Dichloroethene	ND	4.0	"
cis-1,2-Dichloroethene	ND	4.0	"
trans-1,2-Dichloroethene	ND	4.0	"
1,2-Dichloropropane	ND	4.7	"
cis-1,3-Dichloropropene	ND	4.6	"
trans-1,3-Dichloropropene	ND	4.6	"
4-Ethyltoluene	ND	5.0	"
Methylene chloride	ND	3.5	"
Styrene	ND	4.3	"
1,1,2,2-Tetrachloroethane	ND	7.0	"

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7110722 - Canister Analysis**

**Blank (7110722-BLK1)**

Prepared: 11/07/17 Analyzed: 11/10/17

Tetrahydrofuran	ND	3.0	ug/m <sup>3</sup> Air							
Tetrachloroethene	ND	6.9	"							
1,1,2-Trichloroethane	ND	5.6	"							
1,1,1-Trichloroethane	ND	5.6	"							
Trichloroethene	ND	5.5	"							
Trichlorofluoromethane	ND	5.7	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl acetate	ND	3.6	"							
Vinyl chloride	ND	2.6	"							
1,4-Dioxane	ND	18	"							
2-Butanone (MEK)	ND	15	"							
Methyl isobutyl ketone	ND	42	"							
Benzene	ND	3.3	"							
Toluene	ND	3.8	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
o-Xylene	ND	4.4	"							
Surrogate: 4-Bromofluorobenzene	38.6		"	45.3		85.3	40-160			

**Duplicate (7110722-DUP1)**

Source: T112879-01

Prepared: 11/07/17 Analyzed: 11/13/17

1,1-Difluoroethane (Freon 152)	ND	27	ug/m <sup>3</sup> Air		ND				30	
Acetone	381	12	"		401			5.16	30	
1,3-Butadiene	ND	4.5	"		ND				30	
Carbon Disulfide	ND	3.2	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"		ND				30	
Isopropyl alcohol	41.0	13	"		44.7			8.46	30	
Bromodichloromethane	ND	6.8	"		ND				30	
Bromoform	ND	11	"		ND				30	
Bromomethane	ND	4.0	"		ND				30	
Carbon tetrachloride	ND	6.4	"		ND				30	
Chlorobenzene	ND	4.7	"		ND				30	
Chloroethane	ND	2.7	"		ND				30	
Chloroform	ND	5.0	"		ND				30	
Chloromethane	ND	11	"		ND				30	

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant



Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7110722 - Canister Analysis**

Duplicate (7110722-DUP1)	Source: T172879-01			Prepared: 11/07/17 Analyzed: 11/13/17						
Cyclohexane	ND	3.5	ug/m <sup>3</sup> Air		ND				30	
Heptane	11.7	4.2	"		12.1			2.82	30	
Hexane	ND	3.6	"		ND				30	
Dibromochloromethane	ND	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	7.8	"		ND				30	
1,2-Dichlorobenzene	ND	6.1	"		ND				30	
1,3-Dichlorobenzene	ND	6.1	"		ND				30	
1,4-Dichlorobenzene	ND	6.1	"		ND				30	
Dichlorodifluoromethane	2.84	5.0	"		ND				30	
1,1-Dichloroethane	ND	4.1	"		ND				30	
1,2-Dichloroethane	ND	4.1	"		ND				30	
1,1-Dichloroethene	ND	4.0	"		ND				30	
cis-1,2-Dichloroethene	ND	4.0	"		ND				30	
trans-1,2-Dichloroethene	ND	4.0	"		ND				30	
1,2-Dichloropropane	ND	4.7	"		ND				30	
cis-1,3-Dichloropropene	ND	4.6	"		ND				30	
trans-1,3-Dichloropropene	ND	4.6	"		ND				30	
4-Ethyltoluene	ND	5.0	"		ND				30	
Methylene chloride	ND	3.5	"		ND				30	
Styrene	ND	4.3	"		ND				30	
1,1,2,2-Tetrachloroethane	ND	7.0	"		ND				30	
Tetrahydrofuran	ND	3.0	"		ND				30	
Tetrachloroethene	17.1	6.9	"		17.4			1.93	30	
1,1,2-Trichloroethane	ND	5.6	"		ND				30	
1,1,1-Trichloroethane	ND	5.6	"		ND				30	
Trichloroethene	15.7	5.5	"		16.3			3.86	30	
Trichlorofluoromethane	ND	5.7	"		ND				30	
1,3,5-Trimethylbenzene	ND	5.0	"		ND				30	
1,2,4-Trimethylbenzene	ND	5.0	"		ND				30	
Vinyl acetate	ND	3.6	"		ND				30	
Vinyl chloride	ND	2.6	"		ND				30	
1,4-Dioxane	ND	18	"		ND				30	
2-Butanone (MEK)	71.1	15	"		73.5			3.40	30	
Methyl isobutyl ketone	12.3	42	"		11.9			2.77	30	
Benzene	17.8	3.3	"		18.6			4.02	30	
Toluene	8.21	3.8	"		8.52			3.69	30	

SunStar Laboratories, Inc.

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Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

Reported:  
11/14/17 11:41

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7110722 - Canister Analysis**

**Duplicate (7110722-DUP1)**

Source: T172879-01

Prepared: 11/07/17 Analyzed: 11/13/17

Ethylbenzene	ND	4.4	ug/m <sup>3</sup> Air		ND				30	
m,p-Xylene	ND	8.8	"		ND				30	
o-Xylene	ND	4.4	"		ND				30	
Surrogate: 4-Bromofluorobenzene	41.9		"	45.3		92.5	40-160			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Nguyen, Project Manager Assistant



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Krazan, Clovis  
215 West Dakota Avenue  
Clovis CA, 93612

Project: Proposed Residential  
Project Number: 03417125  
Project Manager: Martin Groth

**Reported:**  
11/14/17 11:41

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Lisa Nguyen, Project Manager Assistant

Client:		Krazan & Associates, Inc.		REQUESTED ANALYSIS															
Address:		215 West Dakota Avenue Clovis, CA 93612																	
Sampled By:		Martin Groth																	
Phone:		(559) 348-2200																	
FAX:		(559) 348-2190																	
Project Manager:		MARTIN GROTH																	
Project Job:		03417125-PROPOSED RESIDENTIAL																	
Client Sample ID				Sample Date	Sample Time	Sample Matrix	Container #	Container Type											
SV-1 01				11/1/17	3:56	VAPOR	1	SUMMA											
SV-2 02				11/1/17	4:12	V	↓	↓											
SV-3 03				11/1/17	4:15														
SV-4 04				11/1/17	4:28														
SV-5 05				11/1/17	4:45														
SV-6 06				11/1/17	5:03														
SV-7 07				11/2/17	9:26														
SV-8 08				11/2/17	9:03														
Correct Containers:				Yes	No														
Sample Temperature:				Ambient	Cold	Warm													
Sample Preservative:				Yes	No														
Turnaround Time:				Normal	Specify:														
Comments:																			
RELINQUISHED BY: [Signature] RECEIVED BY: [Signature]																			
Signature: Martin Groth																			
Print: Martin Groth																			
Company: Krazan																			
Date: 11/3/17 Time: 2:15																			
Signature: [Signature]																			
Print: [Signature]																			
Company: [Signature]																			
Date: 11/6/17 Time: 9:45																			
Signature: [Signature]																			
Print: [Signature]																			
Company: [Signature]																			
Date: 11/6/17 Time: 9:45																			
Signature: [Signature]																			
Print: [Signature]																			
Company: [Signature]																			
Date: [Signature]																			

\* PLEASE DO **NOT** WRITE ON OR PLACE LABELS ON SUMMA CANS



# Canister Data Sheet

Client: **KRAZAN MARTY 10-31-17\_18+2**

Shipping Information				Sampling Information				
Canister Serial #	CHECK	Pressure (-30 +/- 2 psia)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
	Date							
SSAT: 0041	10/31/2017	-30	SV-1	11/1/17	-28	-2	3:48	3:56
SSAT: 0047	10/31/2017	-30	SV-2	↓	-26	-2	4:03	4:12
SSAT: 0091	10/31/2017	-30	SV-3		-28	-2	4:07	4:15
SSAT: 0227	10/31/2017	-30	SV-4		-28	-1	4:19	4:28
SSAT: 0358	10/31/2017	-30	SV-5		-28	-3	4:37	4:45
SSAT: 0737	10/31/2017	-30	SV-6		-26	-2	4:55	5:03
SSAT: 0772	10/31/2017	-30	SV-7	11/2/17	-28	-1	9:17	9:26
SSAT: 0774	10/31/2017	-30	SV-8	11/2/17	-28	-2	8:55	9:03
SSAT: 0805	10/31/2017	-30						
SSAT: 0857	10/31/2017	-30						
SSAT: 0608	10/31/2017	-30						
SSAT: 2037	10/31/2017		MANIFOLD (150)					
SSAT: 2054	10/31/2017		MANIFOLD (150)					
SSAT: 0004	10/31/2017	-30	PURGE CAN					

(949) 297-5020  
(949) 297-5027 fax  
(530) 304-5525 Bill Hannell

Form F-LP0005-1.2  
Effective Date: 01/01/2017

[illegible]



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: TI72879

Client Name: KRAZAN Project: PROPOSED RESIDENTIAL

Delivered by: ☐ Client ☐ SunStar Courier ☐ GSO ☒ FedEx ☐ Other

If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_

Lab Received by: SUNNY Date/Time Lab Received: 11-6-17 / 9:45

Total number of coolers received: 0

Temperature: Cooler #1	- °C +/- the CF (- 0.2°C) = -	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (- 0.2°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C) =	°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>If NO:</b>		
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Sample containers intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Sample labels match Chain of Custody IDs	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Total number of containers received match COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Proper containers received for analyses requested on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Proper preservative indicated on COC/containers for analyses requested	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*

\* Complete Non-Conformance Receiving Sheet if checked      Cooler/Sample Review - Initials and date: 82 11-6-17

**Comments:**

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<b>Project Name: PROP. RESIDENTIAL DEV</b>			<b>KATHERINE</b>	
<b>Company: KRAZAN</b>				
<b>Name: MARTY</b>				
Item	Quantity	Unit		
2 oz Jars 24/CS				
4 oz Jars 24/CS				
8 oz Jars 12/CS				
40 ml unpreserved VOAs 100/box	18			
40 ml HCL-preserved VOAs 72/box				
250 ml Poly 24/CS	2-HNO3			
1 Liter Poly 12/CS				
500 ml Poly 16/CS				
500 ml Amber Bottle Wide 12/CS				
1 Liter Amber Bottle 12/CS				
1 Gallon Poly 4/box				
5035 kits:(2)Sodium Bisulfate VOAs 72/box				
(1) Methanol VOA 72/box				
(1)Syringe 50/pack				
Lock-N-Load Handle 1/pack				
Tedlar Bags 10/pack				
Sub Slab Insert w/ washer & N/F				
Soil Gas SS 16" Drop Tubes				
Gas Extraction Fittings				
Soil Gas Filters				
	# Sent	Used	Unused	Unreturned
<b>Batch Certified Summa Canisters</b>	400cc			
	1L	17 (4-P,2-N)	8	
	3L			
	6L	1-P	1	
<b>Individually Certified Summa Canisters</b>	400cc			
	1L			
	3L			
	6L			
<b>ManifoldS: Inst. Sampler, Variable Sampler</b>	<b>2- MANIFOLDS (150)</b>		<b>CHARGE - 2</b>	
<b>Swagelok Fittings: Nuts/Ferrules, Ts</b>				
<b>Cooler (Sm, Med, Lrg) Number &amp; Quantity</b>	<b>1 MED COOLER</b>			
<b>Other: Poly Tube, Valves,Silicon Tape, etc.</b>	<b>LABELS</b>			
<b>Prepared By: BRIAN</b>	<b>Date: 10/31/17</b>			
<b>Reviewed By:</b>	<b>Date:</b>			

# Asset Check-In Receipt

SunStar Laboratories Inc.

Check-In Date: 11/6/2017

User Name: Lounethone, Sunny

Asset Tag	Asset Type	Serial No	Location	Customer No.	Customer Name
0004	1000cc: 1000cc Summa	0004	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0041	1000cc: 1000cc Summa	0041	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0047	1000cc: 1000cc Summa	0047	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0091	1000cc: 1000cc Summa	0091	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
0117	1000cc: 1000cc Summa	0117	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0176	1000cc: 1000cc Summa	0176	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0214	1000cc: 1000cc Summa	0214	Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth
0227	1000cc: 1000cc Summa	0227	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
0358	1000cc: 1000cc Summa	0358	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
0737	1000cc: 1000cc Summa	0737	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0772	1000cc: 1000cc Summa	0772	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0774	1000cc: 1000cc Summa	0774	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0805	1000cc: 1000cc Summa	0805	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0828	1000cc: 1000cc Summa	0828	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0857	1000cc: 1000cc Summa	0857	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
0873	1000cc: 1000cc Summa	0873	Sunstar Labs, SunStar Labs - South	Krazan-Marty	Marty Groth
2037	Vapor Manifold: Vapor Manifold	2037	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
2054	Vapor Manifold: Vapor Manifold	2054	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
6002	6 L: 6 L Summa	6002	Sunstar Labs, Lake Forest Air Lab	Krazan-Marty	Marty Groth
608	1000cc: 1000cc Summa		Sunstar Labs, Tustin Air Lab	Krazan-Marty	Marty Groth



**WORK ORDER**

**T172879**

**Client:** Krazan, Clovis  
**Project:** Proposed Residential

**Project Manager:** Lisa Nguyen  
**Project Number:** 03417125

**Report To:**

Krazan, Clovis  
Martin Groth  
215 West Dakota Avenue  
Clovis, CA 93612

Date Due: 11/13/17 17:00 (5 day TAT)

Received By: Sunny Lounethone

Date Received: 11/06/17 09:45

Logged In By: Sunny Lounethone

Date Logged In: 11/06/17 10:13

**Samples Received at:**

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
<b>T172879-01 SV-1 [Air] Sampled 11/01/17 03:56 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 03:56	+1,1-DFA
<b>T172879-02 SV-2 [Air] Sampled 11/01/17 04:12 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 04:12	+1,1-DFA
<b>T172879-03 SV-3 [Air] Sampled 11/01/17 04:15 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 04:15	+1,1-DFA
<b>T172879-04 SV-4 [Air] Sampled 11/01/17 04:28 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 04:28	+1,1-DFA
<b>T172879-05 SV-5 [Air] Sampled 11/01/17 04:45 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 04:45	+1,1-DFA
<b>T172879-06 SV-6 [Air] Sampled 11/01/17 05:03 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/01/17 05:03	+1,1-DFA
<b>T172879-07 SV-7 [Air] Sampled 11/02/17 09:26 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	11/13/17 15:00	5	12/02/17 09:26	+1,1-DFA

**WORK ORDER**

**T172879**

**Client: Krazan, Clovis**  
**Project: Proposed Residential**

**Project Manager: Lisa Nguyen**  
**Project Number: 03417125**

Analysis	Due	TAT	Expires	Comments
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T172879-08 SV-8 [Air] Sampled 11/02/17 09:03 (GMT-08:00) Pacific Time (US &				
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TO-15	11/13/17 15:00	5	12/02/17 09:03	+1,1-DFA
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## *Appendix D*



**sonoma county**  
DEPARTMENT OF HEALTH SERVICES  
PUBLIC HEALTH DIVISION

Stephan Betz, PhD – Director  
Ellen Bauer, PhD, MPP – Division Director

Certified Mail — Return Receipt Requested

March 15, 2016

Union Oil Company or California  
Attn: Bob Hopkins  
276 Farm Tank Road  
San Luis Obispo, CA 93406

Subject: Responsible Party Information for Investigation and/or Remediation Due to an Unauthorized Fuel Release at: 28181 Old Redwood Highway, Cloverdale, CA

Dear Mr. Hopkins:

The Sonoma County Department of Health Services–Environmental Health and Safety Section (EHS) has received information which indicates that a release of petroleum hydrocarbon products into the environment occurred from one or more underground storage tanks located at 28181 Old Redwood Highway, Cloverdale, CA. The information we received also indicates that the Union Oil Company of California owned or operated the tanks immediately before the discontinuation of its use.

We are writing to inform you, as a responsible party, of your obligation and responsibility to begin a site investigation, and how this Department will oversee the investigation. Please refer to the enclosed Notice of Responsibility that, as part of our contract with the State Water Resources Control Board, this Department is required to send.

A determination of secondary responsible party status may be made if it is shown that one or more of the responsible parties are performing corrective action and it is clear that the party seeking secondary status did not in any way initiate or contribute to the actual discharge. If the primary responsible party fails to perform corrective action, then the secondary responsible party will be considered a primary responsible party.

The EHS will oversee the environmental investigation at the referenced site. Our oversight includes providing regulatory directives, issuing drilling permits for investigation and remediation, reviewing and commenting on work plan proposals and reports, conducting site inspections, providing technical guidance, and case closure.

You may wish to meet with me to familiarize yourself with our program and discuss the current site status. If you choose to meet with me, several documents will be provided to you and discussed with you at that time, otherwise, the documents can be mailed to you.

A work plan to investigate the site must be completed by a qualified consultant and be submitted to this Department for review prior to its implementation. The work plan must adhere to the requirements for a Preliminary Site Assessment (PSA) found in the "State Underground Storage Tank Regulations," and for work plan submittals found in this Department's "Guidelines for Site Investigations." The PSA must include a provision with details for completing a Sensitive Receptor Survey. The purpose of this survey is to identify potential impacts of the release on water supply wells, basements, etc. **May 15, 2016** has been established as the due date for submittal of the work plan. Please note that completion and submission of an Unauthorized Release Form (URF) is also due by this date.

A State Cleanup fund is available which will reimburse eligible parties many of the costs for Leaking Underground Storage Tank (LUST) investigations and cleanups. An application for the Cleanup Fund should be completed and submitted as soon as possible as funding is based on a first-come basis. The Cleanup Fund application can be obtained by calling (800) 813-FUND.

In accordance with Section 25297.15 (a) of Chapter 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title for the site have been informed of the proposed action before the local agency may do any of the following: 1) consider a cleanup proposal (corrective action plan), 2) consider a site closure proposal, 3) make a determination that no further action is required, or, 4) issue a closure letter.

You may use the enclosed Certification Form of Notification to Record Fee Title Owners of Proposed Action to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, this Department will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

The referenced site is within Regional Water Quality Control Board jurisdiction. This Regional Board requests that copies of letters, reports, proposals, etc. not be sent to them. Copies of all correspondence, work plans and reports must be sent to this Department as well as uploaded to Geotracker the State database.

Other responsible parties identified for this site are as follows:

MLRX2, LLC  
1940 Home Avenue  
Fortuna, CA 95540

If you have any questions or wish to set up a meeting, please call me at (707) 565-6571.

Sincerely,



Darcy M. Bering  
Senior Environmental Health Specialist  
Leaking Underground Storage Tank Local Oversight Program

db

Enclosures

cc: Mr. Craig Hunt, NCRWQCB (via email)  
Geotracker  
MLRX2, LLC, Attn: Mike Renner, 1940 Home Avenue, Fortuna, CA 95540  
Blue Rock Environmental Inc., 911 Third Street, Eureka, CA 95501





Certified Mail — Return Receipt Requested

March 15, 2016

MLRX2, LLC  
Attn: Mike Renner  
1940 Home Avenue  
Fortuna, CA 95540

Subject: Responsible Party Information for Investigation and/or Remediation Due to an Unauthorized Fuel Release at: 28181 Old Redwood Highway, Cloverdale, CA

Dear Mr. Renner:

The Sonoma County Department of Health Services—Environmental Health and Safety Section (EHS) has received information which indicates that a release of petroleum hydrocarbon products into the environment occurred from one or more underground storage tanks located at 28181 Old Redwood Highway, Cloverdale, CA. The information we received also indicates that the MLRX2 LLC is the current property owner of the property where the release occurred.

We are writing to inform you, as a responsible party, of your obligation and responsibility to begin a site investigation, and how this Department will oversee the investigation. Please refer to the enclosed Notice of Responsibility that, as part of our contract with the State Water Resources Control Board, this Department is required to send.

A determination of secondary responsible party status may be made if it is shown that one or more of the responsible parties are performing corrective action and it is clear that the party seeking secondary status did not in any way initiate or contribute to the actual discharge. If the primary responsible party fails to perform corrective action, then the secondary responsible party will be considered a primary responsible party.

The EHS will oversee the environmental investigation at the referenced site. Our oversight includes providing regulatory directives, issuing drilling permits for investigation and remediation, reviewing and commenting on work plan proposals and reports, conducting site inspections, providing technical guidance, and case closure.

You may wish to meet with me to familiarize yourself with our program and discuss the current site status. If you choose to meet with me, several documents will be provided to you and discussed with you at that time, otherwise, the documents can be mailed to you.

A work plan to investigate the site must be completed by a qualified consultant and be submitted to this Department for review prior to its implementation. The work plan must adhere to the requirements for a Preliminary Site Assessment (PSA) found in the "State Underground Storage Tank Regulations," and for work plan submittals found in this Department's "Guidelines for Site Investigations." The PSA must include a provision with details for completing a Sensitive Receptor Survey. The purpose of this survey is to identify potential impacts of the release on water supply wells, basements, etc. **May 15, 2016** has been established as the due date for submittal of the work plan. Please note that completion and submission of an Unauthorized Release Form (URF) is also due by this date.

A State Cleanup fund is available which will reimburse eligible parties many of the costs for Leaking Underground Storage Tank (LUST) investigations and cleanups. An application for the Cleanup Fund should be completed and submitted as soon as possible as funding is based on a first-come basis. The Cleanup Fund application can be obtained by calling (800) 813-FUND.

In accordance with Section 25297.15 (a) of Chapter 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title for the site have been informed of the proposed action before the local agency may do any of the following: 1) consider a cleanup proposal (corrective action plan), 2) consider a site closure proposal, 3) make a determination that no further action is required, or, 4) issue a closure letter.

You may use the enclosed Certification Form of Notification to Record Fee Title Owners of Proposed Action to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, this Department will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

The referenced site is within Regional Water Quality Control Board jurisdiction. This Regional Board requests that copies of letters, reports, proposals, etc. not be sent to them. Copies of all correspondence, work plans and reports must be sent to this Department as well as uploaded to Geotracker the State database.

Other responsible parties identified for this site are as follows:

Union Oil Company of California  
276 Tank Farm Road  
San Luis Obispo, CA 93406

If you have any questions or wish to set up a meeting, please call me at (707) 565-6571.

Sincerely,



Darcy M. Bering  
Senior Environmental Health Specialist  
Leaking Underground Storage Tank Local Oversight Program

db

Enclosures

cc: Mr. Craig Hunt, NCRWQCB (via email)  
Geotracker  
Mr. Bob Hopkins, Union Oil Company of California, 276 Farm Tank Road, San Luis Obispo, CA 93406  
Blue Rock Environmental, Inc., 911 Third Street, Eureka, CA 95501





Notice of Responsibility

Site Code: 00027854 Date First Reported: 1/29/2016  
Site Name: Renner Cloverdale Substance: 12034, 12035  
Address: 28181 Old Redwood Highway State [ X ]  
City/State/Zip: Cloverdale, CA 95425  
Responsible Party: MLRX2, LLC ]  
Responsible Party Contact: Mike Renner  
Address: 1940 Home Avenue  
City/State/Zip: Fortuna, CA 95540

Pursuant to Section 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active responsible party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified MLRX2, LLC as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice which identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days of when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5851.

Pursuant to Section 25296.10 (c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the site designation process.

Sincerely

Darcy M. Bering  
Registered Environmental Health Specialist

Phone: (707) 565-6571

Date: March 15, 2016

Add Reason: CCR, Title 23, Section 2720—Named party is the current fee title owner of property where fuel release was reported on 1/29/2016 (definition 3).

c: Geotracker



Notice of Responsibility

Site Code: 00027854 Date First Reported: 1/29/2016  
Site Name: Renner Cloverdale Substance: 12034, 12035  
Address: 28181 Old Redwood Highway State [ X ]  
City/State/Zip: Cloverdale, CA 95425  
Responsible Party: Union Oil Company of California  
Responsible Party Contact: Bob Hopkins  
Address: 276 Tank Farm Road  
City/State/Zip: San Luis Obispo, CA 93406

Pursuant to Section 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active responsible party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified Union Oil Company of California as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice which identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days of when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 341-5808 or telephone (916) 341-5851.

Pursuant to Section 25296.10 (c)(6) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact this office for further information about the site designation process.

Sincerely

A handwritten signature in black ink, appearing to read "Darcy M. Bering".

Darcy M. Bering  
Registered Environmental Health Specialist

Phone: (707) 565-6571

Date: March 15, 2016

Add Reason: CCR, Title 23, Section 2720–Named party is the owner and operator of an underground storage tank immediately before the discontinuation of its use where fuel release was reported on 1/29/2016 (definition 2).

c: Geotracker





**Notice of Pending Action  
on  
Leaking Underground Storage Tank Site**

*Date:* March 15, 2016  
*Site Address:* 28181 Old Redwood Highway, Cloverdale, CA  
*LOP #:* 00027854  
*Regional Board #:* 1TSO### (to be determined)

The referenced site is under the oversight of this Department for investigation and cleanup of a petroleum release from underground storage tank(s). Pursuant to California Code of Regulations Title 23, Division 3, Chapter 16, Article 11, Section 2728 and to Department policy, public participation notice is hereby made of the following pending action on the referenced site:

**Site Addition to the Leaking Underground Storage Tank Program**

This site is being added to the LUST program because of a reported fuel release. Investigation and cleanup is required.

Notification is made by *Darcy Bering*

Telephone: (707) 565-6571

CC: NCRWQCB (via email)  
Geotracker  
Responsible Parties  
Consultant



General Property Report 117-040-066	
Owner Name	Mlr2 Llc
Owner Address	1940 Home Ave Fortuna Ca
Situs Address	28181 Hwy 101 Un
Supervisor District	District 4
City Limit	Unincorporated
City Sphere of Influnence	Cloverdale
City Urban Growth Boundary	City Of Cloverdale
Census Tract	154200
Sec/Township/Range	19 / 11N / 10W
Assessed Area*	3.25
Area of Parcel Polygon	3.16
X:	6274003.8069365
Y:	2047626.5402381
USGS Quad	Cloverdale
Record of Survey	Unknown
Assessor Map	<a href="#">Click Here</a>



[Home](#)

## Sonoma

MBS Intranet for Sonoma County

Assessor In

[Tax Collector Inquiry](#)[Assessor Inquiry](#)

### SONOMA County Intranet

Main [New Search](#) | [Print](#)**Assessment Information**Assessment 117-040-066-  
No. 000

No Images

Parcel  
Number 117-040-066-000Asmt Desc 75 FORM 117-040-08 C/W 07  
M/D

Status A

Date

Taxability 000

TRA 065-009

Supl Cnt. 1

Base Date 01/01/2015

Zoning

Dwelling

Acres 3.25

N/C CRS

Flags

Ag Preserve N

EtAl N

Notes Y

Bonds N

Multiple

Flag1 N

Situs

Flag2 N

Asmt

Tax PP Pen

PP Pen

Split Pend N

Appeal

Address

Pend N

1940 HOME

AVE

FORTUNA

CA 95540

**Taxroll Values**

Land 764,985

Structure 476,330

Fixtures

Growing

Total L&amp;I 1,241,315

Fix R/P

MM PP

PP

Hox

Exmpt.

Other

Exmpt.

Net

1,241,315

RC No.

T/R Date

R/C

Status

- Choose a search field by typing you search criteria in the corresponding blank row the "Search Criteria" column. N Owner for is LAST F MIDDLE (PUBLIC J Q) with no commas c periods.
- Select a "Search T from the d down mer the row correspond to the sea criteria you have chosen (the default "Begins w
- Click "Submit once and for our search system to display a list records that match your criteria.
- Click the underlined assessment number of record in the results list view detailed information about that assessment

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COUNTY of SONOMA  
DEPARTMENT OF HEALTH SERVICES

**FILE**  
Mark A. Kostielney - Director

*Environmental Health Division*

Jonathan J. Krug - Director

REMEDIAL ACTION COMPLETION CERTIFICATION

November 7, 1995

Penny Silzer  
Unocal Corporation  
P.O. Box 5155  
San Ramon, CA 94583

Johnnie & Katherine Edgar  
900 Hiatt Road  
Cloverdale, CA 95425

UNDERGROUND STORAGE TANK (UST) CASE

Jet Trucking, 28181 Redwood Highway, Cloverdale  
[SCDHS-EHD Site #00001220, NCRWQCB Site # 1TSO383]

Dear Ms. Silzer and Mr. & Mrs. Edgar:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Cliff Ives at (707) 525-6574 if you have any questions in this matter.

Sincerely,

JONATHAN J. KRUG, R.E.H.S.  
Director of Environmental Health

cc: Ms. Lola Barba, SWRCB w/ attachments  
Mr. Luis Rivera, NCRWQCB

[228181REDRAC]

RESPONSIBLE PARTY INVESTIGATION

Date: January 29, 1991  
ID: 1220

FACILITY

Name: Jet Trucking  
Address: 28181 Redwood Highway  
City: Cloverdale, CA 95425 /  
Assessor's Parcel No.: 117-040-66

OWNER

Name: Johnnie Edgar  
Address: 900 Hiatt Road  
City: Cloverdale, CA 95425

OPERATOR

Name: Unocal Corp.  
Address: 2000 Crow Canyon Place, Suite 400, P.O. Box 5155  
City: San Ramon, CA 94583

Same                      Different

UT1

UT2

TA

If different, specify:

Rectify difference and reference source:

28181RED.rpi

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**CERTIFIED MAIL RECEIPT**  
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Restricted Delivery Fee (Endorsement Required)	

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MLRX2 LLC  
ATTN MIKE RENNER  
1940 HOME AVE  
FORTUNA CA 95540

U.S. Postal Service  
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(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

DB

Postmark  
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UNION OIL CO OF CALIFONRNIA  
MR BOB HOPKINS  
276 FARM TANK RD  
SAN LUIS OBISPO CA 93406

7989 7989 7520 0002 0000 0360 7001

See Reverse for Instructions

See Reverse for Instructions

See Reverse for Instructions