PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT FOR THE FORMER BRIZARD'S STORE (APN 530-061-011) LOCATED ON HIGHWAY 169 NEAR WEITCHPEC, CALIFORNIA

Prepared for:
Mr. Ken Henderson
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190 Klamath Boulevard
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September 9, 2009

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of



Freshwater Environmental Services

78 Sunny Brae Center Arcata, California 95519 Phone (707) 839-0091 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.

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.

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1.0 INTRODUCTION

Freshwater Environmental Services (FES) has prepared this Phase I Environmental Site Assessment (Phase I ESA) on the former Brizard's store, located on Highway 169 near Weitchpec, California (hereinafter referred to as the Site, or Subject Property). This Phase I ESA was prepared for the exclusive use of the Yurok Tribe located in Klamath, California and the United Stated Environmental Protection (USEPA) Region 9 Brownfields Program.

This Phase I ESA conforms to the principles of ASTM E 1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM, 2005).

This report is organized as recommended in ASTM E1527-05.

1.1 Purpose

The purpose of this Phase I ESA is to identify Recognized Environmental Conditions (RECs) associated with the Subject Property. An REC is defined by ASTM as the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of release of any hazardous substances or petroleum products in the structures of the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances and petroleum products even under conditions in compliance with law.

This report will include listing of historic RECs if applicable. A historical REC is an environmental condition which, in the past would have been considered a REC, but which may or may not be considered a REC currently.

RECs do not include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be subject to any enforcement action if brought to the attention of appropriate government agencies.

1.2 Detailed Scope of Work

This Phase I ESA conforms to the principles of work described in ASTM E1527–05.

1.3 Significant Assumptions

It is assumed that the groundwater flow direction in the vicinity of the Subject Property is towards the south or southwest, following steep topography towards the Klamath River.

1.4 Limitations and Exceptions

"No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property.

Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the property." (ASTM, 2005). The information included in this report is based on professional opinions from our field reconnaissance and visual observations of the Subject Property and our review and interpretation of available historic information as described in this report.

1.5 Special Terms and Conditions

No special terms or conditions are related to this investigation.

1.6 User Reliance

This report was prepared for the sole and exclusive use of the Yurok Tribe located in Klamath, California, and the USEPA Region 9 Brownfields Program. The scope of work performed in this investigation may not be appropriate to satisfy the needs of others. Any use or reuse of this document and findings is at the sole risk of said user.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Subject Property is located on the north side of Highway 169 near Weitchpec, Humboldt County, California. The Site location is shown in Figure 1.

The Subject Property is located on a portion of Assessors Parcel Number (APN) 530-061-011 in Humboldt County, on allotted lands held in trust status for the Tribe by the Bureau of Indian Affairs (BIA). The parcel map that includes the parcel and Subject Property is included in Figure 2. This investigation is limited to the portion of the above parcel that was occupied by the former Brizard's store shown in Figures 1 through 5. Only the near area around the former Brizard's store was inspected.

2.2 Site and Vicinity General Characteristics

The Subject Property is currently a residence on otherwise undeveloped land on the Yurok Indian Reservation. The residence is accessible from Highway 169. Highway 169 is a one-lane highway through the vicinity of the Subject Property. The area surrounding the Subject Property is used primarily for tribal ceremonies, burial grounds, and residential purposes. The residence on the Subject Property sits on a small landing on a southwest sloping parcel. The area in general slopes steeply to the southwest, towards the Klamath River. There is a dirt road leading uphill to the east on the north side of the residence. There is a residential trailer (occupancy unknown) further up the hill. This road was reportedly the former access to areas further inland, such as Orleans. Highway 169 is adjacent to the south of the Subject Property. Further south, there is a fenced area that is a tribal burial ground, a small access road, bleachers and burn pit used for tribal ceremonies, a second fenced area is a tribal burial ground, and open grassy areas. The Klamath River borders these areas to the south. Properties to the east and west are undeveloped vegetated properties along Highway 169.

2.3 Current Use of the Property

The Subject Property is currently used for residential purposes.

2.4 Description of Structures, Roads, Other Improvements on the Site

The majority of the Site is vacant undeveloped property with a mobile home residence. There is a short driveway to the residence off of Highway 169. A second road goes up the hill on the north side of the residence, forming a "V" shape between the road and Highway 169.

2.5 Current Uses of Adjoining Properties

Currently, the uses of the adjoining properties include primarily vacant vegetated land and residential properties. There are Yurok Tribal burial grounds and ceremonial sites on the south side of Highway 169.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

Mr. Ken Henderson, user of the report, indicated that no property transaction is in progress, therefore, a title report has not been ordered.

3.2 Environmental Liens or Activity and Use Limitations

The user of this report, Mr. Ken Henderson, representing the Yurok Tribe Environmental Program, was not aware of any environmental liens or activity and use limitations. A search conducted by Environmental Data Resources, Inc. (EDR) did not identify any vesting documents for the parcel and indicated that the owner of the property is the United States Government. Since no deed records exist for the property, no environmental liens or activity use limitations were noted. A copy of the EDR search results is included in Appendix A.

3.3 Specialized Knowledge

Mr. Ken Henderson, user of this report, was aware that the Subject Property was a former gasoline station and that an underground storage tank remains in-place. Mr. Henderson also provided a copy of a report prepared in March 2005 titled *Naturally Occurring Asbestos, Underground Storage Tank, Lead in Soil and Ash Preliminary Site Investigation Report, Hum 169 Curve Improvement 01-Hum-169 PM 33.4/33.8 (KP 53.44/54.08) Humboldt County, California, prepared by Geocon Consultants, Inc. (Geocon, 2005) which is discussed in this report and contained in Appendix H.*

3.4 Public Outreach Meeting Results

An essential part of the Phase I ESAs is the collection of historical knowledge directly from Yurok Tribal members about each of the Brownfields Sites including the Brizard's former gas station. FES has facilitated and participated in two Tribal District Meetings for the purpose of public education regarding the Brownfields Program, providing status reports on the four project Sites and collecting historical information regarding the previous uses and activities on the four Brownfields properties. Maps and aerial photographs of the Brownfields Sites were provided prior to and during the meetings and the participants were encouraged to note information directly onto the maps and photographs, as well completing the questionnaire to obtain information from the community.

The district meetings at Weitchpec and Pecwan were attended on June 29, 2009. According to several local Yurok tribe members that recall the presence of the Brizard's store, no vehicle maintenance took place at the store. It was used primarily for fueling vehicles and as a general store and town center where locals would occasionally gather.

Attendees included the current residential occupants of the Site. The occupants indicated that following a recent storm that knocked over a power pole with a

transformer, crews dug and removed soil impacted by transformer oil that was spilled from the transformer. The occupants also indicated that they have visually seen pipes associated with a UST that is present beneath the property. The pipes were made visible during a 2005 Caltrans highway realignment investigation. Several attendees stated that no vehicle maintenance took place at the former Brizard's store. No additional information was provided about this Site.

3.5 Commonly Known or Reasonably Ascertainable Information

Mr. Ken Henderson, user of this report, noted that the property was used as a trading post and general store in the early 1900s and at some point began selling gasoline. Based on appraisal records from 1956, the property contained two pumps and two 500-gallon underground storage tanks (USTs). One UST was discovered by Caltrans in 2005 during site assessment activities for a highway realignment project. Mr. Henderson was not aware of any additional environmental information regarding the Subject Property. The investigation (Geocon, 2005) was performed for Caltrans in preparation for a highway realignment project. Naturally occurring asbestos is beyond the scope of this investigation. Lead-based paint is also beyond the scope of this investigation, however the presence of lead in soil resulting from lead-based paint is within the scope of this investigation.

Information regarding the USTs was reviewed and revealed the following: A concrete footing was visible where the gas pump for the store was reported to have been located. Additionally, the onsite occupant, Lonny McLauphlin, indicated that his mother was familiar with the Brizard's store and indicated to Caltrans that the fuel tanks were never removed. In addition, a geophysical investigation was performed that indicated the presence of one UST. Manual excavation around the concrete pad where the pumps were reportedly located was performed, which uncovered two abandoned pipes at a depth of approximately 1.5 feet below ground level (bgl) on the northeast side of the footing. The pipes were uncovered and traced 7.7 feet to the southwest where they ended. One of the two pipes ended at a horizontal tee with no outlets, and the other ended at a vertical tee that was open at the top, and was connected to a vertical pipe leading into the UST. The depth to the top of the UST was found to be approximately 3.5 feet bgl as determined by measuring down the pipe. The inside diameter of the tank is approximately 40 inches, but the length could not be reliably determined, so the tank's volume is currently unknown. The GPS coordinates recorded for the UST are 41.188350313 degrees north latitude and 123.708561478 degrees west longitude, and the approximate UST location is shown in Figure 5. Geocon reported that liquid that smelled like degraded gasoline was present in the tank and the depth of the liquid was approximately 32 inches. Geocon attempted to hand-auger down to the depth of the bottom of the tank along its sides, but was unable to due to rocks in the backfill around the tank. Since the tank contained product, and the tank excavation will need to be sampled after the tank is removed, Caltrans elected not to collect samples from around the tank during the Geocon investigation. At the conclusion of the Geocon investigation, the pipe leading down into the tank was temporarily plugged with a plastic plug, and the tank and pipes were reburied. A second anomaly was also discovered during the geophysical investigation and was determined to be either a septic tank or buried debris resulting from the store burning down in the 1950s. It was recommended that additional investigation be performed to determine the source of the second anomaly (Geocon, 2005).

Soil sampling performed as part of the Geocon investigation included lead in soil to evaluate impacts from lead-based paint resulting from the former structure, and metals in soil to evaluate impacts from ash resulting from an onsite burn barrel. Lead in soil was detected at concentrations ranging from 7.3 milligrams per kilogram (mg/kg) to 630 mg/kg. Additional analysis was performed on the soil sample with the highest lead concentration (630 mg/kg) to determine the amount of lead that is leachable. Lead was found to be leachable at a concentration of 36 milligrams per liter (mg/l) which exceeds the 5 mg/l limit for California and Federal EPA hazardous waste classification. The Geocon Report (Geocon, 2005) recommended that an additional investigation be performed to delineate the depth and extent of the lead contamination.

3.6 Valuation Reduction for Environmental Issues

Mr. Ken Henderson, user of this report, indicated that no property transaction is underway and no purchase price has been identified for the Subject Property. The property is expected to be continually used for residential purposes, or for highway improvements by Caltrans.

3.7 Owner, Property Manager and Occupant Information

Mr. Ken Henderson, representative of the Site owner, the Yurok Tribe, and the user of this report provided responses to environmental questionnaires. The completed questionnaires are included in Appendix B Mr. Henderson indicated that the current use of the property is for residential housing. Prior to Yurok ownership of the Site it was used as a general store that sold gasoline. Mr. Henderson indicated that there is at least one underground storage tank known to be present at the Site and that it is planned to be removed in the Fall of 2009. Mr. Henderson was not aware of any environmental liens or use activity limitations at the Site.

3.8 Reason for Performing Phase I ESA

Mr. Ken Henderson, user of this report, indicated that the reason for performing a Phase I ESA is to ensure that contamination does not threaten public health and the environment during and after redevelopment of the Subject Property. The Yurok Tribe has selected this Site to be evaluated under the USEPA Brownfields Program.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

FES contracted with Environmental Data Resources (EDR), a company specializing in the acquisition and compilation of local state and federal environmental records, to acquire the ASTM required records. EDR has provided a Radius Map Report, which is provided in Appendix C. EDR searched the Subject Property and surrounding area for standard environmental records as required by ASTM E1527-05. The search radius for each database complies with ASTM E1527-05. A complete listing of the databases searched and the radius searched are included in the EDR Radius map report.

The Subject Property is not listed on any of the databases reviewed by the EDR report. Other sites listed in the EDR report include the following:

- Hoopa Valley Indian Reservation and Yurok Reservation do not have listed addresses and are listed on the "Indian Reservation" database indicating the presence of Indian administered lands that have an area of greater than or equal to 640 acres.
- The "CDOT Weitchpec Maintenance Station" is located on Hwy 169 near Hwy 96 and is listed as a LUST site. This site is a Caltrans property. It is greater than 1/8th mile from the Subject Property and is not anticipated to have had a negative environmental impact on the Subject Property based on distance and topography.

Other sites listed in the EDR Radius Map report are unlikely to have a negative impact on the Subject Property due to distance from the Subject Property, groundwater flow direction, and the reported environmental activities.

4.2 Additional Environmental Record Sources

A database report listing sites with environmental activities in Humboldt County was provided by the Humboldt County Division of Environmental Health. Based on a review of the list, there are no additional properties of environmental concern in the area of the Site.

4.3 Physical Setting Sources

The 1979 United States Geologic Survey (USGS) 7.5 minute topographic map entitled Weitchpec, California, which includes the Subject Property and surrounding area was reviewed and is included in Figure 3. The Subject Property has an elevation of approximately 400 feet above mean sea level. The residence is on a flat area that was probably carved into the hillside. The topography in the area around the Subject Property generally slopes steeply to the southwest. The nearest stream shown on the USGS topographic map is Weitchpec Creek which is approximately 300 feet west of the Subject Property.

The Subject Property is shown on the "Geologic Map of the Weed Quadrangle, California" (Wagner and Saucedo, 1987) as being underlain by the South Fork Mountain Schist. The Geocon investigation reported that the visible outcrops in the vicinity of the Subject Property "appeared to be composed of interbedded slaty to schistose metasedimentary rocks" which is in general agreement with the Geologic Map cited above. The nearest fault zoned as active (within the last 11,000 years) under the Alquist-Priolo Earthquake Fault Zoning Act, is approximately 25 miles southwest of the Subject Property.

4.4 Historical Use Information on the Property

Information in this section of the report is based on acquisition and review of various historical sources including historic photographs, historic aerial photographs, historic topographic maps, and interviews with local officials. City directory data and Sanborn Fire Insurance maps were not available with coverage for the Subject Property.

Based on a review of historical data sources, the oldest documentation is a circa 1915-1920 photograph of the former Brizard's store contained in Figure 6. The photo was obtained from Humboldt County Department of Public Works. In the photograph, two drums are located in front of the store along with a fuel/lubricant container with three separate pumps. There is a drum lying on its side in front of the container. The photograph also shows what appears to be petroleum staining on the structure and on the ground at the Subject Property. It is evident that at the time of the photograph the store was dispensing fuels and lubricants. It is unknown if any additional storage containers were located on the Subject Property at this time. There is also a sign on the front of the store indicating that it was also used as a Post Office. The Brizard's store reportedly burned down in the 1950s.

4.4.1 EDR Historic Aerial Photographs

Aerial photographs from 1947, 1954, 1973, 1989, 1993, and 2005 were provided by EDR. Copies of the aerial photographs are included as Appendix D. The photographs were reviewed and the following observations were made:

1947: Due to the scale and quality of the photograph, features are not distinguishable on the Subject Property.

1954: The roads in the vicinity of the Subject Property are visible. There appears to be a structure on the Subject Property, but features are not clear due to the scale of the photograph. The location of the building is slightly further west than the current residence that is on the Subject Property, therefore, the building is likely the former Brizard's store.

1973: Due to the scale and quality of the photograph, features are not distinguishable on the Subject Property.

1989: The driveway to the residence on the Subject Property is evident in the 1989 photograph, as is the mobile home. A dark patch separating the residence from Highway 169 is likely trees that are no longer present. Several structures, which are likely residences, are present south of the Subject Property.

1993: Due to heavy vegetation growth in the vicinity of the Subject Property, features on the Subject Property are not evident.

2005: Highway 169 near the Subject Property is visible, as is a portion of the road that borders to the Subject Property on the north, however, due to vegetation, features on the Subject Property are not evident. Several structures, which are likely residences, are present south of the Subject Property.

4.4.2 Additional Historic Aerial Photographs

One historical aerial photograph dated August 2, 1966 was obtained in digital format from the Humboldt County Public Works to show the Site area. A copy of the aerial photograph is included as Figure 7. The aerial photograph was reviewed and the following observations were made: The driveway into the residence on the Subject Property is evident; however, due to the presence of a large tree, the residence is not visible. The road on the north edge of the Subject Property leads uphill to several additional residences. There are only one or two structures present south of the Subject Property, which is likely a result of the 1964 flood.

4.4.3 Historic Topographic Maps

Historic topographic maps from 1952, 1979 and 1997 (photo revised) of the Subject Property and surrounding area were provided by EDR. Due to the scale of the 1952 map, no features are distinguishable on the Subject Property. Numerous buildings are evident south of the Subject Property, in an area currently used for tribal burial grounds and ceremonies. The area is referred to as Weitchpec Village and the buildings are likely residences. There are fewer buildings present on the 1979 and 1997 maps. A structure is shown on the Subject Property on the 1979 map. The 1997 map shows the road on the north edge of the Subject Property in a slightly different configuration with a residence on the north side of it. Two additional residences are shown to the east, on both the 1979 and 1997 maps. Both maps also indicate the presence of three structures south of the Subject Property. Copies of the historic topographic maps are included in Appendix E.

4.4.4 Historic City Directories

Historic city directory data was not available with coverage for the town of Weitchpec.

4.4.5 Sanborn Fire Insurance Maps

Historic Sanborn Fire Insurance Maps were not available with coverage for the Subject Property. Documentation of the lack of coverage is included in Appendix F.

4.5 Historical Use Information on Adjoining Properties

Based on historical information, adjacent properties have remained undeveloped with the exception of scattered residences and tribal areas including burial grounds and ceremonial sites.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The Subject Property was inspected by Orrin Plocher, Stan Thiesen and Julie Savona of FES on May 7, 2009. FES was accompanied by Mr. Ken Henderson and Ms. Kate Sloan of the Yurok Tribe Environmental Program. The Subject Property is currently occupied by a residence with one structure. The entire Subject Property was viewed. Photographs from the Site inspection are included in Appendix G.

5.2 General Site Setting

Currently the Site consists of a residence, a driveway, and a backyard area. There is a dirt road leading uphill on the north side of the residence, which is accessible from Highway 169. The two roads form a "V" and the Subject Property is located inside the "V." There is a small steeply sloping grassy area separating the road and the residence from Highway 169. It is reported that the former USTs associated with the former gas station are located under the driveway and/or the grassy area. The property is surrounded by tribal property used for a combination of tribal activities and residential purposes.

5.3 Exterior Observations

Currently the Site consists of a residence. There is a retaining wall under the road leading uphill on the north side of the house and the house is very close to the wall. Mr. Ken Henderson of YTEP indicated that the retaining wall may be one wall of the former gas station building. The residence utilizes an above ground storage tank. The contents of the tank are unknown, though it is likely kerosene. The vegetation under the tank was overgrown, but no staining or stressed vegetation was apparent. As requested by the resident of the house and agreed upon by YTEP representatives, the area was not viewed up close in order to maintain privacy for the resident. An oil and gas can was located on top of a dog house. A small amount of oil appeared to be present in one side of the can. Two discarded automotive batteries were also located near the house.

The area behind the house is entirely overgrown and was not viewed up close in order to maintain privacy for the resident. The area was viewed from roads both above (from the north) and below (from the south) the property. The only features in the backyard are two propane tanks. Near the northwest corner of the property, there is a pole mounted transformer. YTEP representatives indicated that the pole and transformer were knocked down in a recent storm and resulted in a release of transformer oil from the former transformer. In a public meeting, the occupants of the mobile home on the Subject Property indicated that several buckets of soil that may have been impacted by transformer oil were containerized and removed by PG&E. Trees were also knocked down, as evidenced by a bare spot lacking vegetation along Highway 169 where a large tree was uprooted. A fence surrounding a burial plot on the south side of Highway 169 was damaged as a result of the tree fall.

5.4 Interior Observations

The interior of the residence on the Subject Property was not observed.

6.0 INTERVIEWS

6.1 Interview with Owners

The representative of the owner of the Subject Property, Mr. Ken Henderson, provided responses to an environmental questionnaire. A copy of the questionnaire is contained in Appendix B. Mr. Henderson indicated that he was not aware of any environmental issues related to the Site. Mr. Henderson indicated that the Subject Property is allotted lands held in trust status for the Tribe by the Bureau of Indian Affairs (BIA).

6.2 Interview with Site Manager

Mr. Ken Henderson, representative of the Site owner, is also the Site manager, as described in Section 6.1.

6.3 Interviews with Occupants

At the request of the user of this report, the occupants of the residence were not interviewed in order to maintain their privacy. The occupants were present at a public meeting and indicated that they visually saw PG&E remove buckets of soil after a transformer fell during a 2008 winter storm. They also indicated that they have seen a pipe associated with at least one UST that is present beneath the property.

6.4 Interviews with Local Government Officials

FES interviewed Mr. Norm Crawford, of the Humboldt County Department of Health and Human Services. Mr. Crawford is not aware of any environmental concerns in the vicinity of the Subject Property.

Mr. Dave Missell, Senior Environmental Consultant for Pacific Gas and Electric Environmental Services provided the following information:

Release Date: 3/1/2009

Release Time: 3:30 PM

Discovery Date: 3/1/2009

Cause: Weather Related

Release Location: On Hwy 169, two miles west of HWY 96, near Weitchpec just north of graveyard on Caltrans property in Humboldt County.

Substance Released: Insulating Oil with less than 50 ppm PCBs (Mr. Missell stated in a phone conversation on 8-20-09 that the laboratory reported the concentration at 45 parts per million (ppm)).

Quantity: pint

Reportable Quantity? No

Are there any known injuries as a result of this release? No

Description of Incident: During storm, tree fell on wire, snapped the utility pole, causing pole mounted 10 KVA transformer to hit ground releasing 1 pint of insulating oil with unknown concentration of PCB. PG&E crew immediately contained and cleaned up spill. Performed Chlor-n-oil test on sample, which indicated oil to have more than 50 ppm of PCBs. Submitted sample to Alpha Labs, which had test result of 45 ppm of Aroclor 1260. There were no agencies on site; no injuries due to chemical exposure. Waste was transferred to the Eureka Service Center.

Completion Status: Closed 3/1/2009

Agency 1: Humboldt County Environmental Health Department

Agency 1 Contact: John Verbeck

Agency 1 Date & Time: 3/2/2009 9:15 AM

Agency 1 Control #: 09-1759

Agency 2: Office of Emergency Services

Agency 2 Contact: Bob Agency 2 Control #: 09-1759

Agency 2 Date & Time: 3/2/2009 9:42 AM

7.0 FINDINGS

This assessment has identified the following environmental findings:

- The Subject Property was developed sometime prior to the turn of the century as a trading post. Sometime prior to the 1920s it was transformed into a general store, gas station, and Post Office. The store reportedly burned down in the 1950s and the underground storage tanks associated with the gas station were not removed.
- A Caltrans highway realignment investigation performed by Geocon Consultants, Inc. in 2005 indicated the presence of one UST and associated piping. The investigation indicated that residual product is still present in the tank. No sampling for petroleum compounds was performed as part of the investigation.
- Lead has been detected in soil samples at a maximum concentration of 630 mg/kg and may be the result of lead-based paint from the former Brizard's store building. Lead from the soil sample with the highest concentration of lead was found to be leachable at a concentration of 36 mg/l which exceeds the 5 mg/l limit for California and Federal EPA hazardous waste classification.
- An aboveground storage tank is present on the property and is assumed to be used by the occupants for fuel storage. Two automobile batteries, an oil can, and a gasoline can were present and appeared to be in use by the current residential occupant.
- Adjacent properties currently are and historically have been used primarily for residential and tribal purposes, including burial grounds and ceremonial sites.
 This investigation has not revealed any environmental concerns related to near adjacent properties that could potentially impact the Subject Property.
- A pole mounted transformer was damaged on the property resulting in a release of transformer oil and removal of soil by the Pacific Gas & Electric..

8.0 OPINION

Based on information obtained from this investigation, the potential exists for subsurface impact from petroleum compounds. The UST that is still present at the Site is known to contain at least some amount of product, which reportedly smelled like degraded gasoline (Geocon, 2005). Piping associated with the tank is also still present. Based on information provided by long term residents of the area, it is unlikely that any vehicle maintenance, which would have the potential to generate solvents or metals contamination, has ever occurred. Based on information obtained from a Caltrans highway realignment project, lead contamination of soil is present resulting from the lead based paint on the store, the store burned down in the 1950s, and/or from burning household trash.

An AST present on the Subject Property does not have secondary containment and has likely been in use for many years. Though significant staining is not present around or under the AST, the potential exists for previous or future releases of petroleum into the environment.

A transformer oil spill resulting from a pole being knocked down in a recent winter storm is not expected to have had a negative environmental impact on the Subject Property based on the removal of impacted soils by PG&E immediately following the spill.

Qualifications of the environmental professionals that prepared this report are included in Appendix I.

9.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-05 at the residential property on Highway 169 near Weitchpec, California. Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This assessment has revealed the following recognized environmental conditions in connection with the property:

- Former use of the Subject Property as a gas station. At least one UST is still
 present. Various ASTs including drums were historically used for fuel storage.
 According to long time residents of the area, the facility was never used for vehicle
 maintenance.
- Presence of fuel-containing AST with no secondary containment on the Subject Property.
- Lead has been detected in soil samples at a maximum concentration of 630 mg/kg and may be the result of lead-based paint from the former Brizard's store building. Lead from the soil sample with the highest concentration of lead was found to be leachable at a concentration of 36 mg/l which exceeds the 5 mg/l limit for California and Federal EPA hazardous waste classification.

This assessment has revealed the following historical recognized environmental conditions in connection with the property:

 A transformer was knocked over in a recent winter storm and resulted in a spill of transformer oil. The spill was cleaned-up and several buckets of potentially impacted soil were removed from the property by PG&E. Regulatory agencies were notified on the release and clean-up.

10.0 DEVIATIONS

There were no significant deviations from ASTM E 1527-05.

11.0 ADDITIONAL SERVICES

No additional environmental services were provided under this contract.

12.0 REFERENCES

ASTM, 2005. E1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Data Resources (EDR), 2009a Radius Map Report.

Environmental Data Resources (EDR), 2009b Aerial Photograph Decade Package.

Environmental Data Resources (EDR), 2009c Historic Topographic Maps.

Environmental Data Resources (EDR), 2009d Certified Sanborn Map Report.

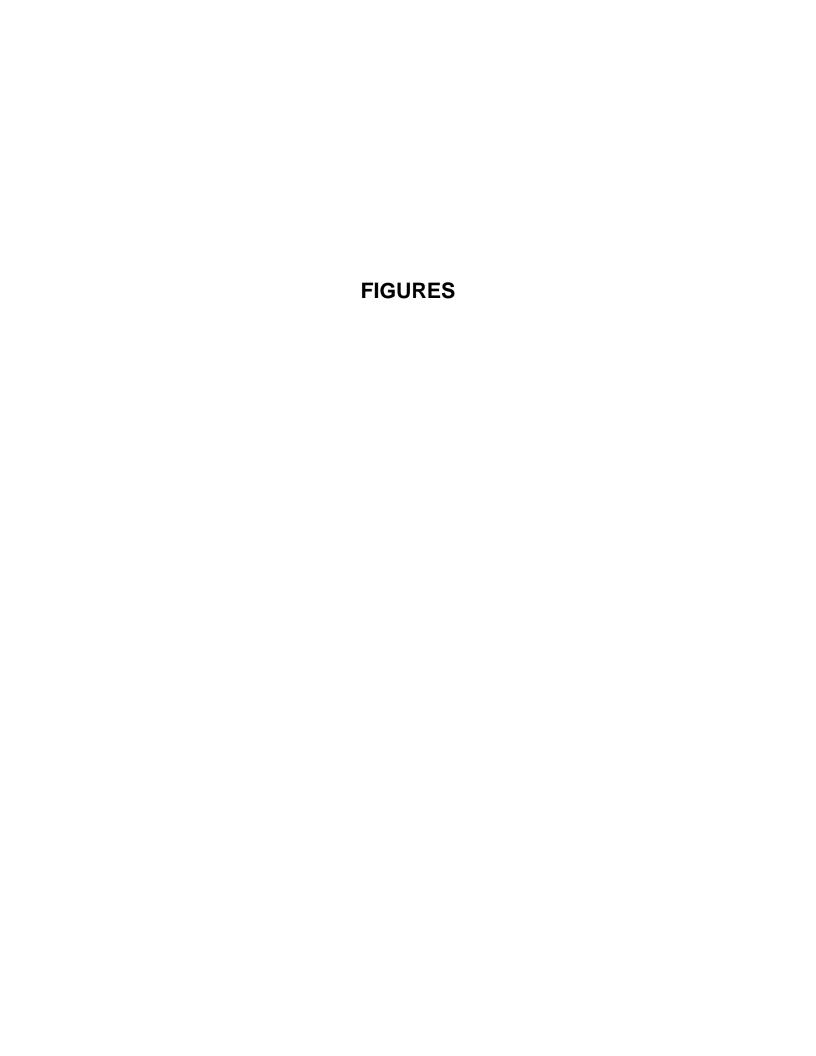
Geocon Consultants, Inc., 2005, "Naturally Occurring Asbestos, Underground Storage Tank, Lead in Soil and Ash Preliminary Site Investigation Report, Hum 169 Curve Improvement 01-Hum-169 PM 33.4/33.8 (KP 53.44/54.08) Humboldt County, California," March 30, 2005.

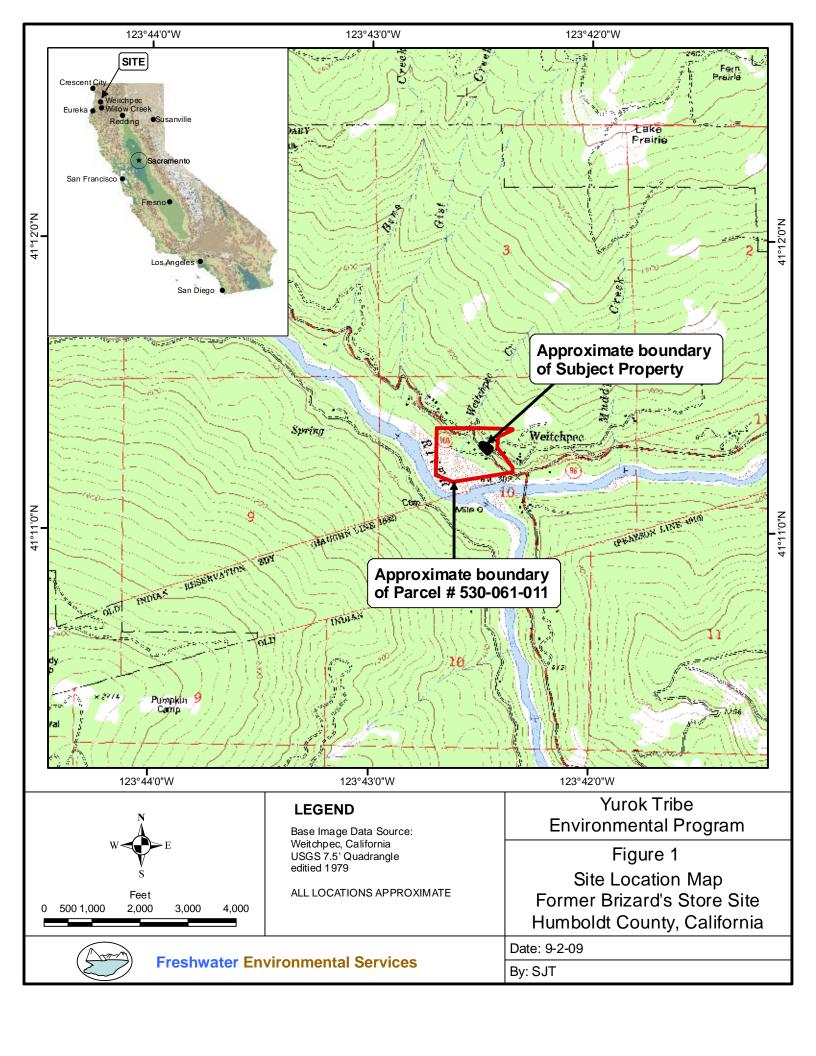
Humboldt County, Public Woks Department, 1966 Aerial Photograph (taken 8-2-66), Photo Number 37B-3.

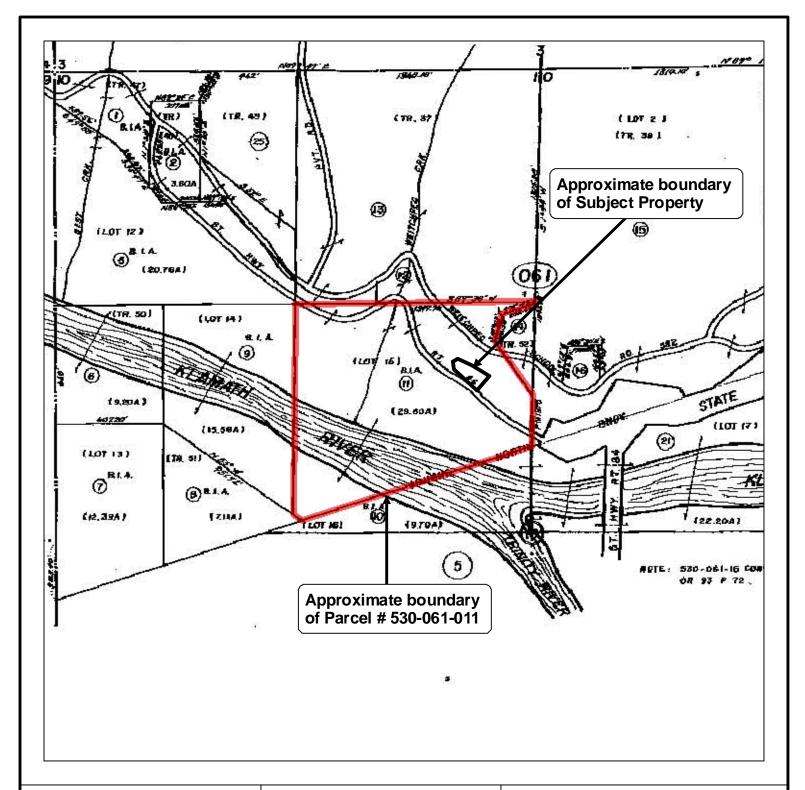
Humboldt County, Public Works Department, 1915-1920 Photograph.

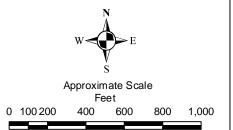
United States Geological Survey (USGS), 1952, photo revised 1997, 7.5 minute topographic quadrangle (Weitchpec, California).

Wagner and Saucedo, 1987, "Geologic Map of the Weed Quadrangle, California", California Division of Mines and Geology.









Parcel Map optained from ParcelQuest.com

ALL LOCATIONS APPROXIMATE

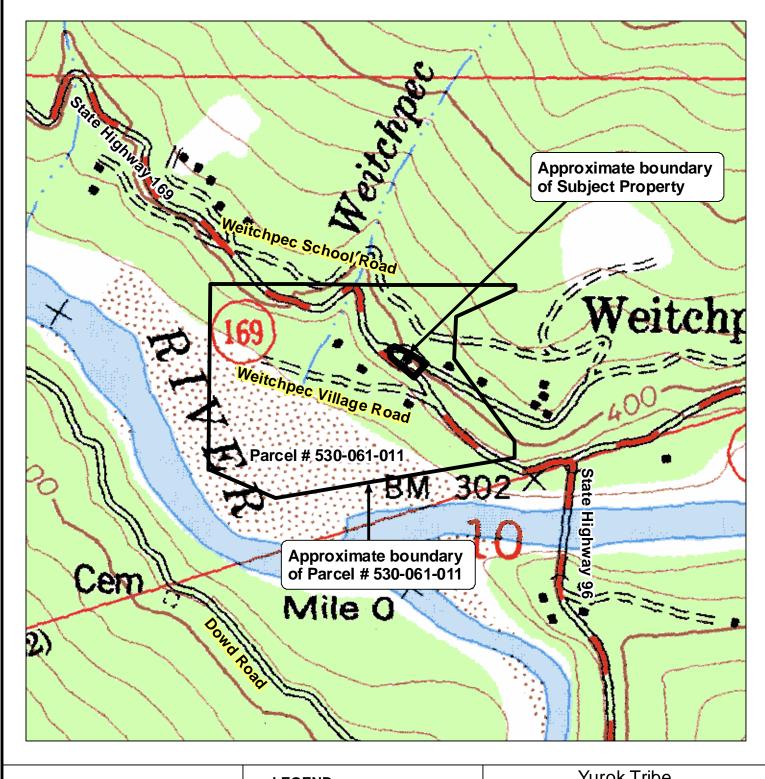
Yurok Tribe Environmental Program

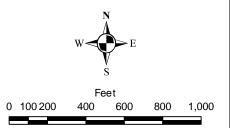
Figure 2
Parcel Map
Former Brizard's Store Site
Humboldt County, California

Date: 9-2-09

By: SJT

Freshwater Environmental Services





Base Image Data Source: Weitchpec, California USGS 7.5' Quadrangle editied 1979

ALL LOCATIONS APPROXIMATE

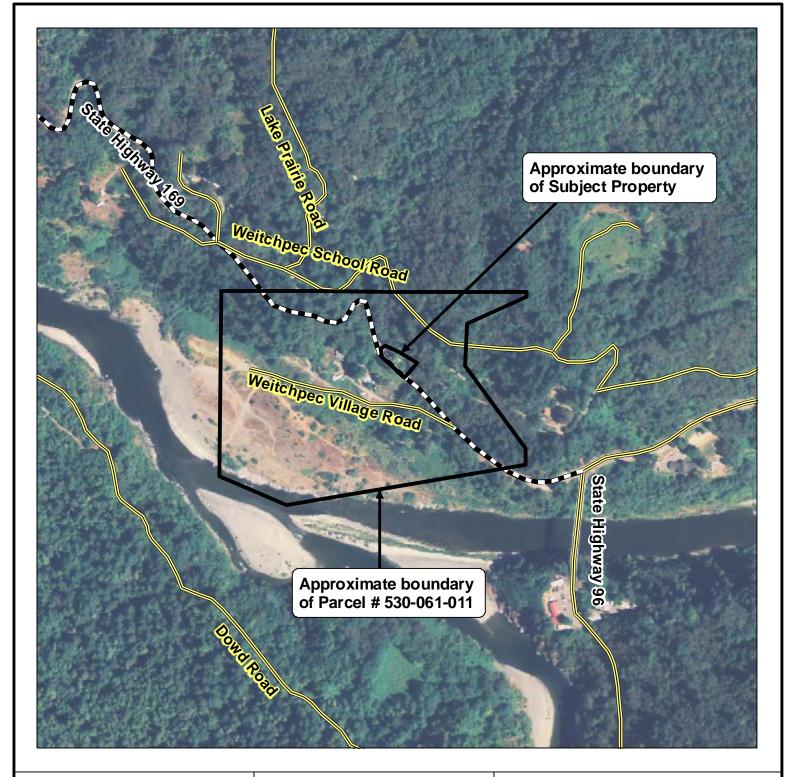
Yurok Tribe Environmental Program

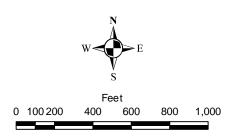
Figure 3

USGS 7.5' Topographic Map Former Brizard's Store Site Humboldt County, California

Date: 9-2-09







Base Image Data Source:USDA-FSA Aerial Photography Field Office Color Digital Ortho Photo Quad Majority image dates 2005

ALL LOCATIONS APPROXIMATE

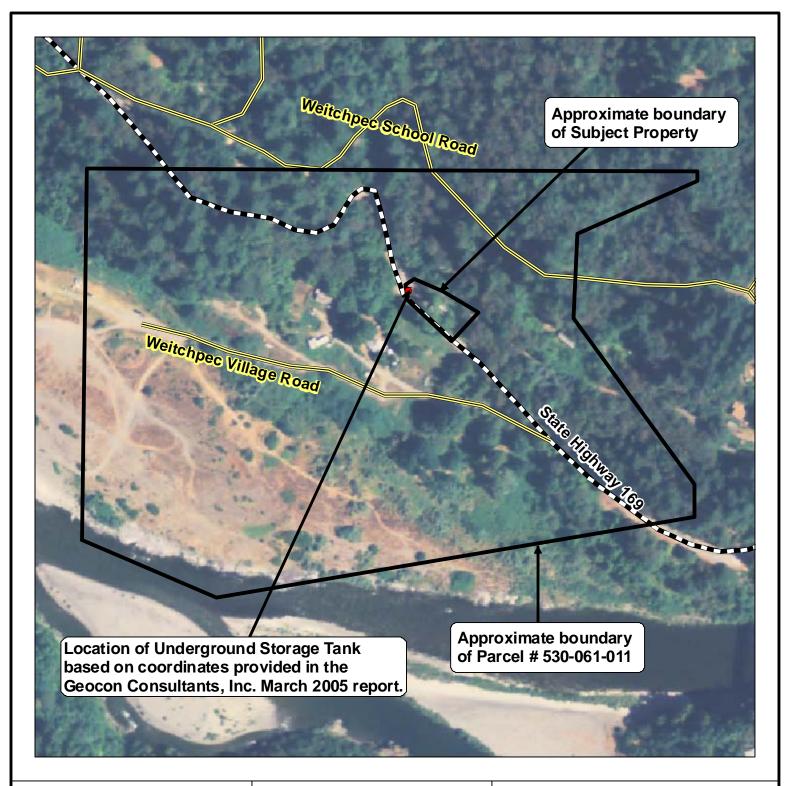
Yurok Tribe Environmental Program

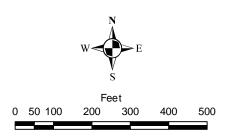
Figure 4

2005 Aerial Photograph Former Brizard's Store Site Humboldt County, California

Date: 9-2-09







Base Image Data Source: USDA-FSA Aerial Photo graphy Field Office Color Digital Ortho Photo Quad Majority image dates 2005

ALL LOCATIONS APPROXIMATE

Yurok Tribe Environmental Program

Figure 5

2005 Aerial Photograph Detail Former Brizard's Store Site Humboldt County, California

Date: 9-2-09





Historical photograph scan obtained by FES from Humboldt County Public Works Department, Titled "A. Brizard Store at Weitchpec Included the Post Office c. 1915-1920"

Yurok Tribe Environmental Program

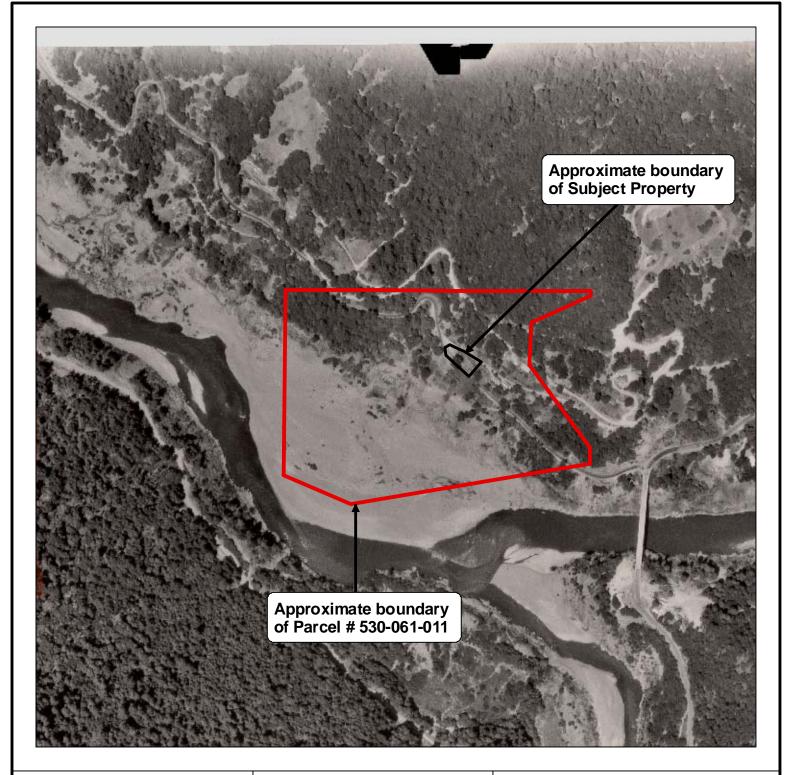
Figure 6

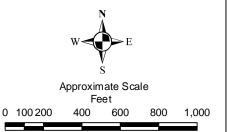
Brizard's Photo (circa 1915-1920) Former Brizard's Store Site Humboldt County, California



Date: 9-2-09







Humboldt County, Public Woks Department, 1966 Aerial Photograph (taken 8-2-66), Photo Number 37B-3.

ALL LOCATIONS APPROXIMATE

Yurok Tribe Environmental Program

Figure 7

1966 Aerial Photograph Former Brizard's Store Site Humboldt County, California

Date: 9-2-09



APPENDIX A EDR ENVIRONMENTAL LIEN SEARCH RESULTS

Ameristar Information Services 500 S. Nolen Ste 100 Southlake, Tx., 76092

Ameristar	Tracking	No.	05-200-	1_7066
Amensiai	Hacking	INO.	90-200-	1-7000

EDR Inquiry No: 2497843.23

No vesting documents were found of record for the parcel number 530-061-11, owned by the United States Government, in the deed records of Humbolt County, California.

APPENDIX B ENVIRONMENTAL QUESTIONNAIRES

Bizurdy

User/Client

Status: Ven Lunderson Company/organization: Murch Tribe Status: Cliept/Owner
Status: Client Owner
Status: Client Owner Site Manager Occupant Government Official
☑cliep#Owner ☐Site Manager ☐Occupant ☑Government Official
What is the reason why the Phase I is required? Trounded federal opener Project
What is the current use of the property?
What type of property transaction is it? Sale Purchase Exchange Other
Have you engaged a title company or professional to review recorded land title records and lien records? ☐

MK	_
are any services beyond the requirements of Practice E1527 (Phase I ESA) ∈	 required?
☑No f yes describe:	<u>.</u>
Who is the site contact for the property?	
was Yura Planning Depot	
How can the site contact be reached?	
Phone 707-487-1350	_
Who is the owner of the property?	
Trust BIA	
Who are the occupants of the property?	
Larry + Terri McLaupalin	
	
Do any of the parties to the property transaction have a required standard s services?	cope of
☐Yes ☐No If yes describe:	

Other than yourself, wi	nat other parties will rely on the Phase I report?
	∐Yes
If yes describe:	□No
5	20
Leseventide	- Community
	· · · · · · · · · · · · · · · · · · ·
Are there any special to environmental profess	erms and conditions that must be agreed upon by the ional?
	☑Yes □ No
If yes describe:	
See cor	tract
	ž
Do you have any other the environmental prof	knowledge or experience with the property that may be pertinent to essional? □Yes ☑No
F	
<u> </u>	
·	
ř	
Are you aware of any e recorded under federa	environmental cleanup liens against the property that are filed or l, tribal, state or local law?
	<u></u> yes
If yes describe:	No and a second
n yes accorde.	
: 	
·	

	AULs, such as engineering controls, land use restrictions or that are in place at the site and/or have been filed or recorded	l in a
	□Yes	
If yes describe:	⊡NO	
-	- 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	
As the user of this ES the property or nearby	6A do you have any specialized knowledge or experience relat y properties?	ted to
	□Yes	
If yes describe:	⊠NO	
-		
D 40	the being poid for this property responsibly reflect the fair ma	rket
value of the property? contamination?	rice being paid for this property reasonably reflect the fair ma ? If not, have you considered whether the price difference is d	lue to
	□Yes √\\\	
Additional Information	□No	
	*	
-		
Do you know the past	t uses of the property?	
IJ	☑ Yes	
If yes describe:	LINO	
Pesidentia	1 (rus Startion General Stor	r
,		

If yes describe:	☑Yes □No				
Petrode	inn			-	
a 100		Re-4			
Do you know of	spills or other chem	ical releases that	have taken p	lace at the pr	roperty
If yes describe:	∐Yes ⊡Ho		**		
		•			
x - 773	+ 4.5				
Do you know of	any anyiranmental (cleanung that hav	a takan niaca	at the prope	rtv2
Do you know of	any environmental o	cleanups that hav	e taken place	at the prope	rty?
If ves describe:	□Xes ☑No	,			rty?
If ves describe:	□Xes ☑No	,			rty?
If ves describe:	□Xes ☑No	,			rty?
If ves describe:	any environmental of the second of the secon	,			rty?
If ves describe:	□Xes ☑No	,			rty?
If yes describe: October As the user of the	Yes No Ne movul Podd	our knowledge and	place d experience	related to the	e prope
If yes describe: October As the user of the	Tes INO Nemovul (our knowledge and	place d experience	related to the	e prope
If yes describe: October As the user of the are there any income.	Yes No Ne movul Podd	our knowledge and	place d experience	related to the	e prope
If yes describe: October As the user of the are there any income.	Newbyul (our knowledge and	place d experience	related to the	e prope
As the user of the are there any income the property?	Tes No Ne Movul Temovul Tem	our knowledge and	place d experience	related to the	e prope

Property Owner

8/4/09		
Ken Handerson		3.2
Assistant Director	MIEP	
Edippersonal Store Store		
Status:		
☐ Client/Owner☐ Site Manager☐ Occupant☐ Government Official☐ Other		
Document Request		
Please indicate if you have any documents listed below. If yes, provided or reasonable access for review.		
-Environmental Site Assessment Report	Available	Provided
Service and the control of the contr		10
-Environmental Compliance Audit Report	-	9a -
-Environmental Permits	-	1
-Registration for underground or aboveground storage tanks		
-Registration for underground injection systems	_	(2) (2)
-Material safety data sheets	_	<u></u>
-Environmental Site Assessment Reports	€ <u></u>	
-Community right-to-know plan		
-Safety plans; preparedness and prevention plans; spill prevention countermeasures, and control plans; etc.		
-Reports regarding hydrogeologic conditions on the property or surrounding area		
-Notices or other correspondence from any government agency relating to any environmental issues, past or current violations of any environmental law with respect to the property or relating to environmental liens encumbering the property		
-Hazardous waste generator notices or reports	-35	
-Geotechnical studies	2	(
-Risk assessments	2-18-XXX	
-Recorded activity and use limitations (AUL)		

1) Are you aware of any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?
2) Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?
3) Are you aware of any notices form any governmental entity regarding any possible liability relating to hazardous substances or petroleum products?
4) During what time period were you the owner of the property?
5) What was type of business did you have at the property?
Gus Station/ General Store (Not owned by Throx Tite
6) Do you know the past uses of the property?
অYes □No
If yes describe: See guestion 5
See guestion 5
7) Do you know of specific chemicals that are present or once were present at the
property? ☑Yes
□No If yes describe:
Petroleum
8) Do you know of spills or other chemical releases that have taken place at the property?
□Yes ☑No
If yes describe:
Potential petroleum contamination not
YIVUSAINUS

) Do you know of	any environmental cleanu □Yes	os that have taken place at t	ne prope
	☑No		
yes describe:			
	-		
0) Do you have a pertinent to the en	ny other knowledge or exp vironmental professional?	erience with the property tha	at may b
i0) Do you have a pertinent to the en	ny other knowledge or experience or experie	erience with the property tha	at may b
pertinent to the en	vironmental professional?	erience with the property tha	at may b
pertinent to the en	vironmental professional?	erience with the property tha	at may b
pertinent to the en	vironmental professional?	erience with the property tha	at may b
pertinent to the en	vironmental professional?	erience with the property tha	at may b
pertinent to the en	vironmental professional?	erience with the property tha	at may b
10) Do you have as pertinent to the en	vironmental professional?	erience with the property tha	at may b

APPENDIX C EDR RADIUS MAP REPORT

Bizards Former gas station

Hwy 169 Weitchpec, CA 95546

Inquiry Number: 2497843.18s

May 18, 2009

The EDR Radius Map™ Report with GeoCheck®

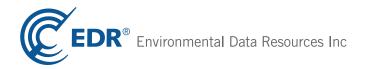


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Government Records Searched/Data Currency Tracking.	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
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Physical Setting Source Map Findings.	A-8
Physical Setting Source Records Searched.	

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

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HWY 169

WEITCHPEC, CA 95546

COORDINATES

Latitude (North): 41.187900 - 41° 11' 16.4" Longitude (West): 123.709100 - 123° 42' 32.8"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 440531.5 UTM Y (Meters): 4559646.0

Elevation: 290 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41123-B6 WEITCHPEC, CA

Most Recent Revision: 1979

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005 Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List

Proposed NPL..... Proposed National Priority List Sites NPL LIENS..... Federal Superfund Liens Federal Delisted NPL site list Delisted NPL..... National Priority List Deletions Federal CERCLIS list Federal CERCLIS NFRAP site List CERC-NFRAP..... CERCLIS No Further Remedial Action Planned Federal RCRA CORRACTS facilities list CORRACTS...... Corrective Action Report Federal RCRA non-CORRACTS TSD facilities list RCRA-TSDF...... RCRA - Transporters, Storage and Disposal Federal RCRA generators list RCRA-LQG..... RCRA - Large Quantity Generators RCRA-SQG..... RCRA - Small Quantity Generators RCRA-CESQG...... RCRA - Conditionally Exempt Small Quantity Generator Federal institutional controls / engineering controls registries US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent NPL

RESPONSE...... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR _____ EnviroStor Database

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

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

..... Statewide SLIC Cases

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities

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

State and tribal voluntary cleanup sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory

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

Local Lists of Hazardous waste / Contaminated Sites

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

LIENS Environmental Liens Listing DEED. Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System CHMIRS..... California Hazardous Material Incident Report System

LDS..... Land Disposal Sites Listing MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen______RCRA - Non Generators DOT OPS______Incident and Accident Data

DOD....... Department of Defense Sites FUDS....... Formerly Used Defense Sites

CONSENT...... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

FTTS______FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

FINDS______Facility Index System/Facility Registry System
RAATS______RCRA Administrative Action Tracking System

CA BOND EXP. PLAN...... Bond Expenditure Plan
CA WDS...... Waste Discharge System
NPDES........NPDES Permits Listing

Cortese Waste & Substances Sites List

WIP..... Well Investigation Program Case List

HAZNET Facility and Manifest Data EMI Emissions Inventory Data

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

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

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/08/2009 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CDOT WEITCHPEC MAINTENANCE ST	RTE 169 NR HWY 96	ESE 1/8 - 1/4 (0.178 mi.)	A1	7

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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 is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WEITCHPEC	ROUTE 169 NR HWY 96	ESE 1/8 - 1/4 (0.178 mi.)	A2	7

Other Ascertainable Records

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].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CDOT WEITCHPEC MAINTENANCE ST	RTE 169 NR HWY 96	ESE 1/8 - 1/4 (0.178 mi.)	A1	7

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there are 2 INDIAN RESERV sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPA VALLEY INDIAN RESERVATIO		SSE 1/4 - 1/2 (0.471 mi.)	0	7
YUROK INDIAN RESERVATION		0 - 1/8 (0.000 mi.)	0	7

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)

JACK NORTON ELEMENTARY SC HIST CORTESE K-T JUSD HOOPA HIGH SCHOO HIST CORTESE HIST CORTESE **BLUFF CREEK RESORT** HIST CORTESE WOLD LOGGING CO. INC. **SWEEPS UST** K-TJUSD HOOPA HIGH SCHOOL **SWEEPS UST** K-TJUSD HOOPA ELEMENTARY SCHL **SWEEPS UST** K-TJUSD CORPORATION YARD **SWEEPS UST** BUSSELL'S HUPA CHEVRON **SWEEPS UST BLUFF CREEK RESORT SWEEPS UST** LEWIS UNION STATION **SWEEPS UST** UNION OIL BULK PLANT #0289 **SWEEPS UST**

CDOT WEITCHPEC MAINTENANCE STN SWEEPS UST
CAL-PACIFIC LUMBER COMPANY - HOOPA RESPONSE, ENVIROSTOR, HIST

LUST

Cal-Sites

COPPER BLUFF MINE (BOLIVAR MINE)-H CERCLIS, FINDS MASONITE MILL MESCAT FIELD SITE CERCLIS, FINDS, INDIAN UST

MASONITE MILL MESCAT FIELD SITE

PG&E HOOPA TRANSFORMER SUBSTA

HAILSTONE ALLOTMENT CAMPBELL FLD H

FOOTBALL FIELD AREA DUMP SITE

CERC-NFRAP

CALIFORNIA PACIFIC LUMBER MILL-HOO

CERC-NFRAP

CALIFORNIA PACIFIC LUMBER MILL-HOO CERC-NFRAP
OLD AIRPORT MILL (ABANDONED) CERC-NFRAP

CDOT WEITCHPEC MAINTENANCE STATION LUST BUSSELL'S HUPA CHEVRON HIST UST

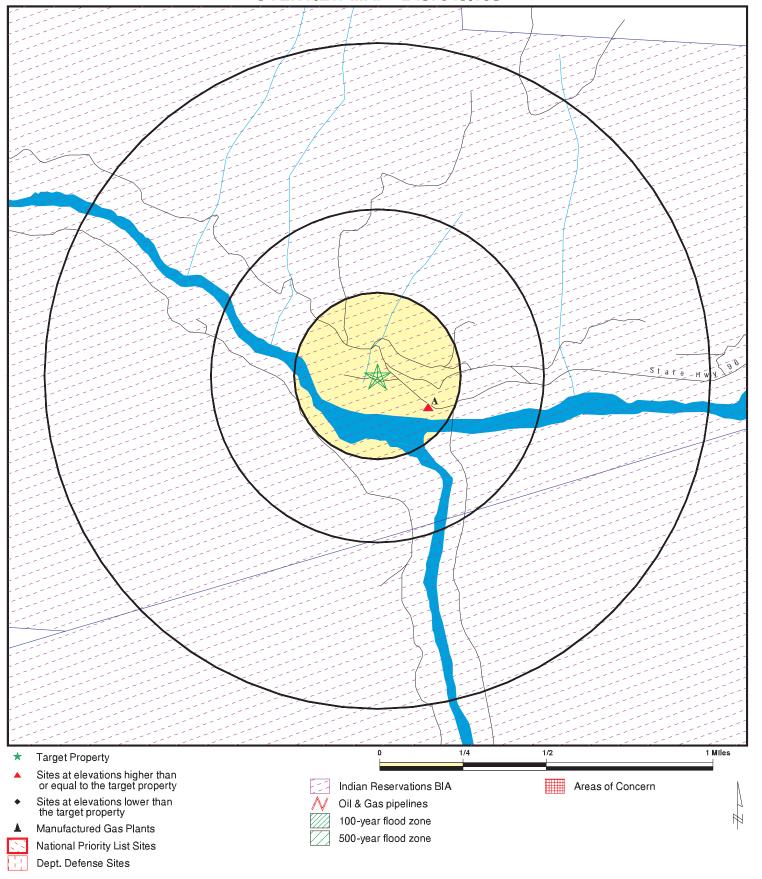
BLUFF CREEK RESORT

UNION OIL SS #3996 HIST UST
UNION OIL BULK PLANT #0289 HIST UST
PEARSON'S GROCERY HIST UST

HOOPA SUBSTATION
CAL-PACIFIC LUMBER - HOOPA
AST
CA BOND EXP. PLAN

PATRIOT MINI MART AKA BP TIS-MIL S INDIAN UST CHESTER MACINTOSH AKA LEWIS UNION INDIAN UST CHESTER MACINTOSH AKA LEWIS UNION INDIAN LUST

OVERVIEW MAP - 2497843.18s



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: Bizards Former gas station

ADDRESS: Hwy 169

LAT/LONG:

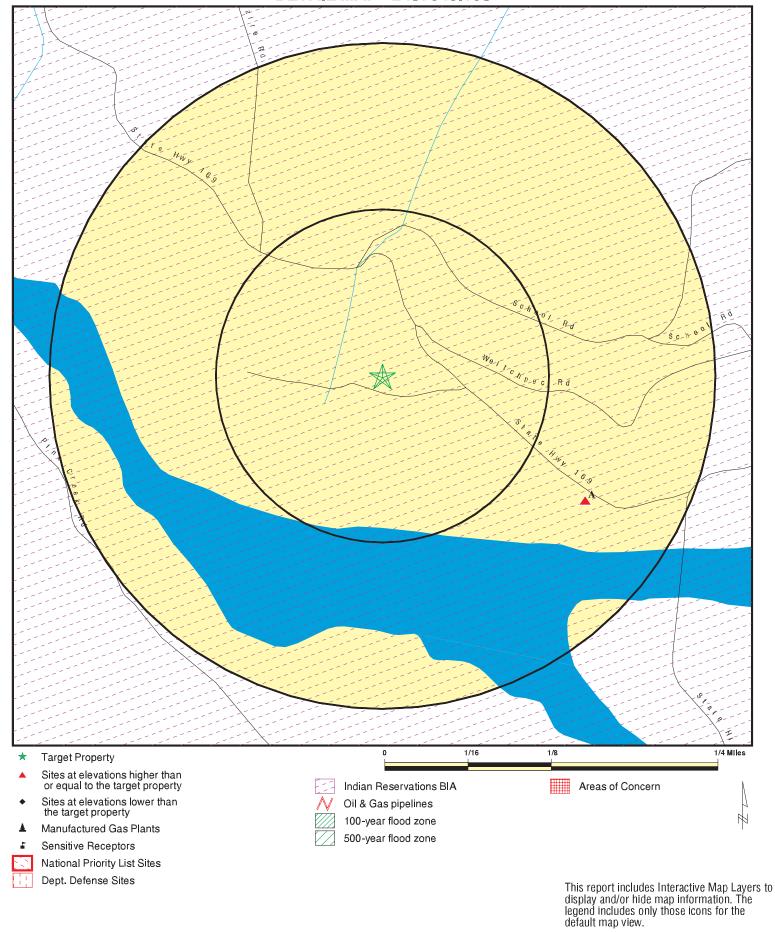
Weitchpec CA 95546 41.1879 / 123.7091 CLIENT: Freshwater Environmental Service CONTACT: Julie Savona

INQUIRY #: 2497843.18s

DATE: May 18, 2009 1:24 pm

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DETAIL MAP - 2497843.18s



SITE NAME: Bizards Former gas station

Weitchpec CA 95546 41.1879 / 123.7091

Hwy 169

ADDRESS:

LAT/LONG:

CLIENT: Freshwater Environmental Service CONTACT: Julie Savona INQUIRY #: 2497843.18s DATE: May 18, 2009 1:24 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls re								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
RESPONSE		1.000	0	0	0	0	NR	0
State- and tribal - equiva	alent CERCLIS	6						
ENVIROSTOR		1.000	0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking	storage tank l	ists						
LUST SLIC INDIAN LUST		0.500 0.500 0.500	0 0 0	1 0 0	0 0 0	NR NR NR	NR NR NR	1 0 0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registere	d storage tai	nk lists						
UST AST INDIAN UST		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal voluntary	cleanup sit	es						
VCP INDIAN VCP		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMEN	TAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
DEBRIS REGION 9 ODI WMUDS/SWAT SWRCY HAULERS INDIAN ODI		0.500 0.500 0.500 0.500 TP 0.500	0 0 0 0 NR 0	0 0 0 0 NR 0	0 0 0 0 NR 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
US CDL HIST Cal-Sites SCH Toxic Pits CDL		TP 1.000 0.250 1.000 TP	NR 0 0 0 NR	NR 0 0 0 NR	NR 0 NR 0 NR	NR 0 NR 0 NR	NR NR NR NR NR	0 0 0 0
Local Lists of Registered	Storage Tai	nks						
CA FID UST HIST UST SWEEPS UST		0.250 0.250 0.250	0 0 0	0 1 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
Local Land Records								
LIENS 2 LUCIS LIENS DEED		TP 0.500 TP 0.500	NR 0 NR 0	NR 0 NR 0	NR 0 NR 0	NR NR NR NR	NR NR NR NR	0 0 0
Records of Emergency R	elease Repo	orts						
HMIRS CHMIRS LDS MCS		TP TP TP TP	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Other Ascertainable Rece	ords							
RCRA-NonGen		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE		0.500	0	1	0	NR	NR	1
Notify 65		1.000	0	0	0	0	NR	0
DRYCLEANERS WIP		0.250	0	0	NR	NR	NR	0
		0.250	0	0	NR	NR	NR	0
HAZNET EMI		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		TP	NR	NR	NR 1	NR 0	NR NR	0 2
SCRD DRYCLEANERS		1.000 0.500	1 0	0 0	1 0	NR	NR NR	0
SCRD DRICLEANERS		0.500	U	U	U	INIX	INIX	U
EDR PROPRIETARY RECOR	<u>EDS</u>							
EDR Proprietary Records	;							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

IND RES HOOPA VALLEY INDIAN RESERVATION INDIAN RESERV CIND100246 N/A

Region

SSE **HOOPA VALLEY INDIAN RESER (County), CA**

1/4-1/2 2489 ft.

INDIAN RESERV:

Indian Reservation Feature:

Name: Hoopa Valley Indian Reservation

Agency: BIA State: CA

IND RES YUROK INDIAN RESERVATION **INDIAN RESERV** CIND100241 N/A

Region

YUROK INDIAN RESERVATION (County), CA

< 1/8 1 ft.

INDIAN RESERV:

Feature: Indian Reservation Name: Yurok Indian Reservation

BIA Agency: State: CA

Α1 **CDOT WEITCHPEC MAINTENANCE ST** LUST S100224059

ESE RTE 169 NR HWY 96 HIST CORTESE N/A

1/8-1/4 WEITCHPEC, CA

0.178 mi.

942 ft. Site 1 of 2 in cluster A

LUST REG 1: Relative:

Region: Higher

1THU101 Facility ID: Actual: Staff Initials: Closed

291 ft.

CORTESE:

Region: CORTESE Facility County Code: 12 Reg By: **LTNKA** 1THU101 Reg Id:

WEITCHPEC A2 HIST UST U001615225 **ESE ROUTE 169 NR HWY 96** N/A

1/8-1/4 WEITCHPEC, CA 95814

0.178 mi.

942 ft. Site 2 of 2 in cluster A

HIST UST: Relative:

Higher Region: STATE Facility ID: 00000067908 Actual: Facility Type: Not reported 291 ft. Other Type: Not reported Total Tanks: 0003

Contact Name: Not reported Telephone: VIAWILCRK

Owner Name: CALIF DEPT OF TRANSPORTATION Map ID MAP FINDINGS Direction

Distance Elevation Site

Site Database(s) EPA ID Number

WEITCHPEC (Continued) U001615225

Owner Address: 1120 N STREET

Owner City, St, Zip: SACRAMENTO, CA 95814

Tank Num: 001

Container Num: 0000000001
Year Installed: 1962
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Not reported

Tank Num: 002

Container Num: 0000000002
Year Installed: 1962
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Not reported

Tank Num: 003

Container Num: 0000000003
Year Installed: Not reported
Tank Capacity: 00000100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Not reported

EDR ID Number

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOOPA	S105024109	JACK NORTON ELEMENTARY SC	HWY 169	95546	HIST CORTESE
HOOPA	S105024111	K-T JUSD HOOPA HIGH SCHOO	HWY 36	95546	HIST CORTESE
HOOPA	S105024110	PL	HWY 36	95546	HIST CORTESE
HOOPA	1009393226	PATRIOT MINI MART AKA BP TIS-MIL S	HWY 96 AT ORCUTT WAY	95546	INDIAN UST
HOOPA	U001611957	BUSSELL'S HUPA CHEVRON	HWY. 96	95546	HIST UST
HOOPA	S106934555	WOLD LOGGING CO. INC.	HIGHWAY 96 NORTH	95546	SWEEPS UST
HOOPA	S106928040	K-TJUSD HOOPA HIGH SCHOOL	HIGHWAY 96	95546	SWEEPS UST
HOOPA	S106928039	K-TJUSD HOOPA ELEMENTARY SCHL	HIGHWAY 96	95546	SWEEPS UST
HOOPA	S106928038	K-TJUSD CORPORATION YARD	HWY 96	95546	SWEEPS UST
HOOPA	S106923681	BUSSELL'S HUPA CHEVRON	HIGHWAY 96	95546	SWEEPS UST
HOOPA	S106923436	BLUFF CREEK RESORT	HWY 96 RR	95546	SWEEPS UST
HOOPA	S106716091	BLUFF CREEK RESORT	HIGHWAY 96 @ WEITCHPEC	95546	LUST
HOOPA	S105749938	CAL-PACIFIC LUMBER COMPANY - HOOPA	HWY 96	95546	RESPONSE, ENVIROSTOR, HIST
					Cal-Sites
HOOPA	S105024112	BLUFF CREEK RESORT	HWY 96 WEITCHPEC	95546	HIST CORTESE
HOOPA	S100833258	CAL-PACIFIC LUMBER - HOOPA	ROUTE 96	95546	CA BOND EXP. PLAN
HOOPA	A100324003	HOOPA SUBSTATION	HWY 96	95546	AST
HOOPA	1002850977	MASONITE MILL MESCAT FIELD SITE	HWY 96 ALLOTTMENT 265A 283-296	95546	CERC-NFRAP
HOOPA	1000346338	COPPER BLUFF MINE (BOLIVAR MINE)-H	OFF HWY 96 IN NORTON FLD	95546	CERCLIS, FINDS
HOOPA	S106928660	LEWIS UNION STATION	W SIDE HIGHWAY 96	95546	SWEEPS UST
HOOPA	U001611963	UNION OIL SS #3996	WEST SIDE HIGHWAY 96	95546	HIST UST
HOOPA	U001611962	UNION OIL BULK PLANT #0289	WEST SIDE HIGHWAY 96	95546	HIST UST
HOOPA	S106933390	UNION OIL BULK PLANT #0289	W SIDE HIGHWAY 96	95546	SWEEPS UST
HOOPA	1011843697	CHESTER MACINTOSH AKA LEWIS UNION	STAR ROUTE 96	95546	INDIAN LUST
HOOPA	1009393160	CHESTER MACINTOSH AKA LEWIS UNION	STAR ROUTE 96	95546	INDIAN UST
HOOPA	U001611961	PEARSON'S GROCERY	WEITCHPEC ROUTE	95546	HIST UST
HOOPA VLY INDIAN RES	1003878575	PG&E HOOPA TRANSFORMER SUBSTA	HWY 96 N AGENCY FLD	95546	CERC-NFRAP
HOOPA VLY INDIAN RES	1003878573	HAILSTONE ALLOTMENT CAMPBELL FLD H	HWY 96	95546	CERC-NFRAP
HOOPA VLY INDIAN RES	1003878567	FOOTBALL FIELD AREA DUMP SITE	HWY 96 ADJACENT TO TRINITY RIV	95546	CERC-NFRAP
HOOPA VLY INDIAN RES	1000339184	MASONITE MILL MESCAT FIELD SITE	HWY 96 ALLOTTMENT 265A 283-296	95546	CERCLIS, FINDS, INDIAN UST
HOOPA VLY INDIAN RES	1003878571	CALIFORNIA PACIFIC LUMBER MILL-HOO	ST HWY 96	95546	CERC-NFRAP
HOOPA VLY INDIAN RES	1003878574	OLD AIRPORT MILL (ABANDONED)	PINE CREEK RD - CHENONE FLD	95546	CERC-NFRAP
WEITCHPEC	S106716454	CDOT WEITCHPEC MAINTENANCE STATION	ROUTE 169 NEAR HIGHWAY 96	95546	LUST
WEITCHPEC	S106924115	CDOT WEITCHPEC MAINTENANCE STN	HWY 169 3 MI W OF HWY 96	95546	SWEEPS UST

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: 02/02/2009 Source: EPA
Date Data Arrived at EDR: 02/12/2009 Telephone: N/A

Date Made Active in Reports: 03/30/2009 Last EDR Contact: 04/20/2009

Number of Days to Update: 46 Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 02/02/2009 Source: EPA
Date Data Arrived at EDR: 02/12/2009 Telephone: N/A

Number of Days to Update: 46 Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: No Update Planned

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: 02/02/2009 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 03/30/2009

Date Made Active in Reports: 03/

Number of Days to Update: 46

Source: EPA Telephone: N/A

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2009
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 05/11/2009

Number of Days to Update: 101

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 05/15/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007 Date Data Arrived at EDR: 12/06/2007 Date Made Active in Reports: 02/20/2008

Number of Days to Update: 76

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 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: 03/25/2009 Date Data Arrived at EDR: 04/02/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 39

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/03/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, 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: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 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: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 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: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 03/31/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 13

Source: Environmental Protection Agency Telephone: 703-603-0695

Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 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: 03/31/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 01/23/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 54

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 05/12/2009

Next Scheduled EDR Contact: 07/20/2009 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: 02/23/2009 Date Data Arrived at EDR: 02/24/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 43

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/24/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 02/23/2009 Date Data Arrived at EDR: 02/24/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 43

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/24/2009

Next Scheduled EDR Contact: 05/25/2009 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 i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/09/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Integrated Waste Management Board

Telephone: 916-341-6320 Last EDR Contact: 03/10/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 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: 05/04/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Varies

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: 03/03/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: No Update Planned

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: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 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: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009 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: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Quarterly

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: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 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: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

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: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2008

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: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 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: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 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: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

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: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 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: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 03/03/2009

Next Scheduled EDR Contact: 06/01/2009
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: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 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: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 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: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Annually

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: 12/15/2008 Date Data Arrived at EDR: 12/16/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 90

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/15/2009 Date Data Arrived at EDR: 02/27/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 17

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/03/2009 Date Data Arrived at EDR: 03/04/2009 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 26

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 12/03/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 20

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/20/2009

Next Scheduled EDR Contact: 05/18/2009 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: 03/13/2009 Date Data Arrived at EDR: 03/17/2009 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 13

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 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: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 36

Source: SWRCB Telephone: 916-480-1028 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007 Date Data Arrived at EDR: 02/10/2009 Date Made Active in Reports: 04/14/2009

Number of Days to Update: 63

Source: State Water Resources Control Board

Telephone: 916-341-5712 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

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: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/06/2009 Date Data Arrived at EDR: 04/07/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

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: 04/01/2008 Date Data Arrived at EDR: 12/30/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 76

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/20/2009

Next Scheduled EDR Contact: 05/18/2009 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 03/13/2009 Date Data Arrived at EDR: 03/17/2009 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 13

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 03/03/2009 Date Data Arrived at EDR: 03/04/2009 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 26

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

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: 12/15/2008 Date Data Arrived at EDR: 12/16/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 90

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 04/20/2009

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: 02/23/2009 Date Data Arrived at EDR: 02/24/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 43

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/24/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008 Date Data Arrived at EDR: 11/14/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 05/15/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 03/25/2008 Date Data Arrived at EDR: 04/17/2008 Date Made Active in Reports: 05/15/2008

Number of Days to Update: 28

Source: EPA, Region 9 Telephone: 415-972-3336 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 06/22/2009 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

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: 03/04/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 04/07/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 04/07/2009 Date Data Arrived at EDR: 04/07/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 34

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 06/08/2009 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: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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: 07/01/2008 Date Data Arrived at EDR: 10/31/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 53

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/26/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/23/2009 Date Data Arrived at EDR: 02/24/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 43

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/24/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Quarterly

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

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: 09/30/2008 Date Data Arrived at EDR: 10/06/2008 Date Made Active in Reports: 10/13/2008

Number of Days to Update: 7

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 04/24/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 04/07/2009 Date Data Arrived at EDR: 04/07/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 37

Source: Department of Public Health Telephone: 707-463-4466

Telephone: 707-463-4466 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: Varies

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

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.

The local agency is the contact for more information on a site on the SWEEPS its

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

Local Land Records

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: 02/06/2009 Date Data Arrived at EDR: 03/20/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

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: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 03/09/2009

Next Scheduled EDR Contact: 06/08/2009

Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/13/2009 Date Data Arrived at EDR: 02/17/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 50

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 05/04/2009

Next Scheduled EDR Contact: 08/03/2009

Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 12/30/2009

Next Scheduled EDR Contact: 06/29/2009 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: 12/31/2008 Date Data Arrived at EDR: 01/30/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 95

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 04/16/2009

Next Scheduled EDR Contact: 07/13/2009 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: 12/31/2007 Date Data Arrived at EDR: 05/09/2008 Date Made Active in Reports: 06/20/2008

Number of Days to Update: 42

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009

Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management

units.

Date of Government Version: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: State Water Qualilty Control Board

Telephone: 866-480-1028 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008 Date Data Arrived at EDR: 05/28/2008 Date Made Active in Reports: 08/08/2008

Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/24/2009

Next Scheduled EDR Contact: 05/25/2009

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: 703-692-8801 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

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: 12/31/2007 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009

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: 01/27/2009 Date Data Arrived at EDR: 04/23/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 18

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/21/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

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: 01/27/2009 Date Data Arrived at EDR: 02/04/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 90

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 1

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Varies

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: 02/19/2009 Date Data Arrived at EDR: 03/24/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 03/24/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 04/09/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Annually

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

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 04/14/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the

Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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: 12/31/2006 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 12/04/2008

Next Scheduled EDR Contact: 07/13/2009 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: 03/20/2009 Date Data Arrived at EDR: 03/20/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 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: 12/04/2007 Date Data Arrived at EDR: 02/07/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 39

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 05/04/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Annually

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: 01/07/2009 Date Data Arrived at EDR: 01/15/2009 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 74

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Quarterly

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: 04/28/2009 Date Data Arrived at EDR: 04/29/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/29/2009

Next Scheduled EDR Contact: 07/27/2009 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: 01/20/2009 Date Data Arrived at EDR: 01/23/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 102

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Quarterly

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

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: 12/31/2005 Date Data Arrived at EDR: 03/06/2007 Date Made Active in Reports: 04/13/2007

Number of Days to Update: 38

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/19/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/09/2009 Date Data Arrived at EDR: 03/13/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 26

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 03/13/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Quarterly

CA 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: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Quarterly

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). This listing is no longer updated by the state agency.

Date of Government Version: 04/20/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 19

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 04/22/2009

Next Scheduled EDR Contact: 07/20/2009 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].

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: No Update Planned

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: 05/06/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 4

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 04/17/2009

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/24/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 17

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 04/24/2009

Next Scheduled EDR Contact: 07/20/2009

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.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/17/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 50

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009 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: 12/31/2006 Date Data Arrived at EDR: 10/16/2008 Date Made Active in Reports: 11/26/2008

Number of Days to Update: 41

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 04/17/2009

Next Scheduled EDR Contact: 04/13/2009

Data Release Frequency: Varies

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: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 12/08/2008 Date Data Arrived at EDR: 12/09/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 97

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009

Data Release Frequency: Varies

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: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009

Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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

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: 04/24/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 13

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/24/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 16

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 02/25/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 42

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Semi-Annually

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: 04/17/2009 Date Data Arrived at EDR: 04/17/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 24

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 05/04/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

> Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 9

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 07/07/1999 Date Made Active in Reports: N/A

Number of Days to Update: 0

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/26/2008 Date Data Arrived at EDR: 01/27/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 71

Source: Department of Public Works Telephone: 626-458-3517 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/21/2009 Date Data Arrived at EDR: 04/21/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 20

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 05/12/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 03/10/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/11/2009 Date Data Arrived at EDR: 04/23/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 18

Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/09/2009 Date Data Arrived at EDR: 02/17/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 51

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 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: 03/28/2003 Date Data Arrived at EDR: 10/23/2003 Date Made Active in Reports: 11/26/2003

Number of Days to Update: 34

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 02/20/2009

Next Scheduled EDR Contact: 05/18/2009 Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/23/2009 Date Data Arrived at EDR: 02/24/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 44

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/05/2009 Date Data Arrived at EDR: 02/17/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 51

Source: Public Works Department Waste Management

Telephone: 415-499-6647 Last EDR Contact: 04/27/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008 Date Data Arrived at EDR: 07/09/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 22

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 03/02/2009 Date Data Arrived at EDR: 03/18/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 21

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 03/05/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/02/2009 Date Data Arrived at EDR: 03/27/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 12

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 03/05/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/02/2009 Date Data Arrived at EDR: 03/18/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 22

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 12/02/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/27/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 13

Source: Placer County Health and Human Services

Telephone: 530-889-7312 Last EDR Contact: 04/03/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/14/2009 Date Data Arrived at EDR: 04/15/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 26

Source: Department of Public Health

Telephone: 951-358-5055 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 05/06/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 7

Source: Health Services Agency Telephone: 951-358-5055 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/04/2009 Date Data Arrived at EDR: 04/29/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 12

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 04/29/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/04/2009 Date Data Arrived at EDR: 04/29/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 12

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 04/29/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 04/08/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 33

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 03/03/2009

Next Scheduled EDR Contact: 06/01/2009 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: 07/16/2008 Date Data Arrived at EDR: 10/29/2008 Date Made Active in Reports: 11/26/2008

Number of Days to Update: 28

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 04/03/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008 Date Data Arrived at EDR: 12/23/2008 Date Made Active in Reports: 01/27/2009

Number of Days to Update: 35

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009

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: 01/22/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 8

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 03/31/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Quarterly

Underground Storage Tank Information

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: 10/01/2008

Number of Days to Update: 12

Source: Department of Public Health

Telephone: 415-252-3920 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/01/2009 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: 02/10/2009 Date Data Arrived at EDR: 02/25/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 43

Telephone: N/A

Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Semi-Annually

Source: Environmental Health Department

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/29/2009 Date Data Arrived at EDR: 05/01/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 10

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 04/07/2009 Date Data Arrived at EDR: 04/07/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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: 12/29/2008 Date Data Arrived at EDR: 12/29/2008 Date Made Active in Reports: 01/27/2009

Number of Days to Update: 29

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/03/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 36

Source: City of San Jose Fire Department

Telephone: 408-277-4659 Last EDR Contact: 03/03/2009

Next Scheduled EDR Contact: 06/01/2009 Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2009 Date Data Arrived at EDR: 04/07/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 34

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2009 Date Data Arrived at EDR: 04/10/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 34

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/20/2009 Date Data Arrived at EDR: 04/21/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 20

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009 Date Data Arrived at EDR: 04/02/2009 Date Made Active in Reports: 04/09/2009

Number of Days to Update: 7

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Semi-Annually

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: 02/26/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 8

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 03/10/2009

Next Scheduled EDR Contact: 06/08/2009 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: 08/01/2008 Date Data Arrived at EDR: 09/04/2008 Date Made Active in Reports: 09/18/2008

Number of Days to Update: 14

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 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: 06/09/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/08/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 36

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 04/08/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/21/2009 Date Data Arrived at EDR: 05/06/2009 Date Made Active in Reports: 05/14/2009

Number of Days to Update: 8

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Annually

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: 12/31/2006 Date Data Arrived at EDR: 12/11/2008 Date Made Active in Reports: 03/19/2009

Number of Days to Update: 98

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 03/13/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007 Date Data Arrived at EDR: 12/04/2007 Date Made Active in Reports: 12/31/2007

Number of Days to Update: 27

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 05/05/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 01/27/2009 Date Data Arrived at EDR: 02/25/2009 Date Made Active in Reports: 03/12/2009

Number of Days to Update: 15

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/25/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/11/2008 Date Made Active in Reports: 10/02/2008

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/09/2009

Next Scheduled EDR Contact: 06/08/2009 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 03/11/2009

Number of Days to Update: 27

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 03/16/2009

Next Scheduled EDR Contact: 06/15/2009 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BIZARDS FORMER GAS STATION HWY 169 WEITCHPEC, CA 95546

TARGET PROPERTY COORDINATES

Latitude (North): 41.18790 - 41° 11' 16.4" Longitude (West): 123.7091 - 123° 42' 32.8"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 440531.5 UTM Y (Meters): 4559646.0

Elevation: 290 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 41123-B6 WEITCHPEC, CA

Most Recent Revision: 1979

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

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).

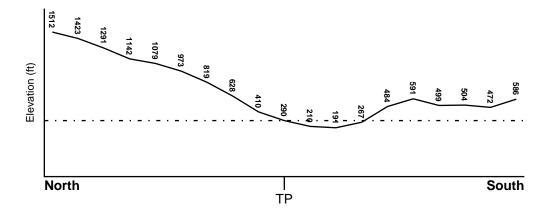
TOPOGRAPHIC INFORMATION

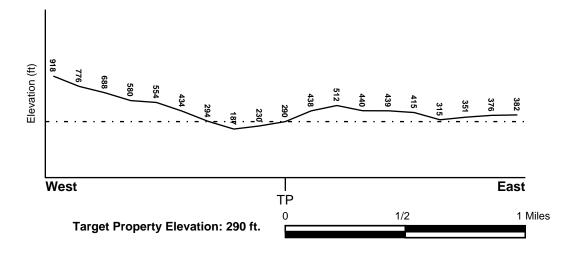
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

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.

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

FEMA Flood

Target Property County

Electronic Data

HUMBOLDT, CA

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

0600000375B

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

HOOPA

Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

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

GEOLOGIC AGE IDENTIFICATION

Era: Mesozoic Category: Eugeosynclinal Deposits

System: Cretaceous
Series: Upper Mesozoic

Code: uMze(decoded above as Era, System & Series)

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: MADONNA

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. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 40 inches

Soil Layer Information							
Layer	Boundary			Classification			
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 5.10
2	7 inches	25 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 5.10
3	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very gravelly - loam

gravelly - loam

Surficial Soil Types: very gravelly - loam

gravelly - loam

Shallow Soil Types: gravelly - loam

very gravelly - loam gravelly - sandy clay loam

Deeper Soil Types: weathered bedrock

very gravelly - sandy clay loam extremely gravelly - silty clay

cobbly - clay

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID WELL ID FROM TP

1 090600134 0 - 1/8 Mile East

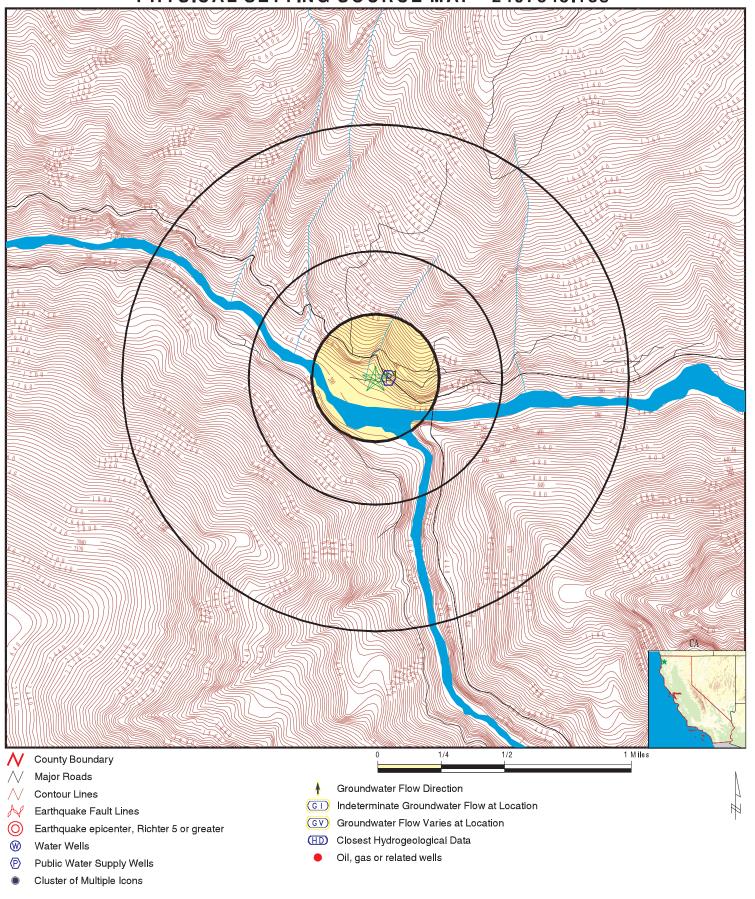
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID WELL ID FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 2497843.18s



SITE NAME: Bizards Former gas station

ADDRESS: Hwy 169

Weitchpec CA 95546 LAT/LONG: 41.1879 / 123.7091

Freshwater Environmental Service

CLIENT: CONTACT: Julie Savona INQUIRY #: 2497843.18s

May 18, 2009 1:24 pm DATE:

Map ID Direction Distance

Elevation Database EDR ID Number

East FRDS PWS 090600134

0 - 1/8 Mile Higher

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water
Pws type: CWS

Status: Active Owner type: Native_Am

Facility id: 0600134DS001

Facility name: PWS# 0600134 distribution system

Facility type: Distribution_system_zone Treatment process: filtration, slow sand

Treatment objective: particulate removal
Contact name: Howard McConnell
Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS Status: Active

Status: Active Owner type: Native_Am

Facility id: 0600134DS200

Facility name: test

Facility type: Distribution_system_zone Treatment process: filtration, slow sand

Treatment objective: particulate removal
Contact name: Howard McConnell
Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS

Status: Owner type: Native_Am

Facility id: 0600134EP001

Facility name: Entry Point to PWS# 0600134 distribution system

Facility type: Common_headers Treatment process: filtration, slow sand

Treatment objective: particulate removal Contact name: Howard McConnell

Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water
Pws type: CWS

Status: Active Owner type: Native_Am

Facility id: 0600134ST001 Facility name: Storage Tank 1

Facility type: Storage Treatment process: filtration, slow sand

Treatment objective: particulate removal Contact name: Howard McConnell

Original name: Yurok Tribe
Contact phone: 7074821350 Contact address1: P.O. Box 1027
Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water Pws type: CWS

Status: Active Owner type: Native_Am

Facility id: 0600134SW001
Facility name: Alceth Creek Intake

Facility type: Intake Treatment process: filtration, slow sand

Treatment objective: particulate removal Contact name: particulate removal Howard McConnell

Original name: Yurok Tribe
Contact phone: 7074821350 Contact address1: P.O. Box 1027

Contact address 1: P.O. Box 1
Contact address 2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS
Status: Active Owner type: Native_Am

Facility id: 0600134TP001

Facility Id: 06001341P001
Facility name: Alceth Creek Intake Treatment Plant

Facility type: Treatment_plant Treatment process: filtration, slow sand

Treatment objective: particulate removal
Contact name: Howard McConnell
Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS

Status: Owner type: Native_Am

Facility id: 0600134DS001

Facility name: PWS# 0600134 distribution system

Facility type: Distribution_system_zone Treatment process: hypochlorination, post

Treatment objective: disinfection

Howard McConnell Contact name:

Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 190 Klamath Blvd. Contact address2: Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region:

State: 09 County: Not Reported

Yurok - Wautec Pws name:

Population Served: 70 18 Pwssvcconn:

PWS Source: Surface_water

CWS Pws type:

Status: Active Owner type: Native_Am

0600134DS200 Facility id: Facility name: test

Facility type: Distribution_system_zone

Treatment process: hypochlorination, post

Treatment objective: disinfection Howard McConnell Contact name: Yurok Tribe Original name:

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Klamath Contact city:

Contact zip: 95548

090600134 09 Pwsid: Epa region:

Not Reported State: County: 09

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: **CWS**

Status: Active Owner type: Native_Am

Facility id: 0600134EP001

Facility name: Entry Point to PWS# 0600134 distribution system

Facility type: Common_headers Treatment process: hypochlorination, post

Treatment objective: disinfection

Contact name: Howard McConnell

Original name: Yurok Tribe

P.O. Box 1027 Contact phone: 7074821350 Contact address1: Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

Not Reported State: 09 County:

Yurok - Wautec Pws name: 70 18

Population Served: Pwssvcconn:

PWS Source: Surface_water

Pws type: **CWS**

Active Owner type: Native_Am Status:

0600134ST001 Facility id: Facility name: Storage Tank 1

Facility type: Storage Treatment process: hypochlorination, post

Treatment objective: disinfection

Howard McConnell Contact name:

Original name: Yurok Tribe

7074821350 Contact address1: P.O. Box 1027 Contact phone: Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS

Status: Active Owner type: Native_Am

Facility id: 0600134SW001
Facility name: Alceth Creek Intake

Facility type: Intake Treatment process: hypochlorination, post

Treatment objective: disinfection
Contact name: Howard McConnell
Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

Pwsid: 090600134 Epa region: 09

State: 09 County: Not Reported

Pws name: Yurok - Wautec

Population Served: 70 Pwssvcconn: 18

PWS Source: Surface_water

Pws type: CWS

Status: Active Owner type: Native_Am

Facility id: 0600134TP001

Facility name: Alceth Creek Intake Treatment Plant

Facility type: Treatment_plant Treatment process: hypochlorination, post

Treatment objective: disinfection
Contact name: Howard McConnell
Original name: Yurok Tribe

Contact phone: 7074821350 Contact address1: P.O. Box 1027 Contact address2: 190 Klamath Blvd. Contact city: Klamath

Contact zip: 95548

PWS ID: 090600134

Date Initiated: Not Reported Date Deactivated: Not Reported

PWS Name: JOHNSONS VILLAGE WEITCHPEC ROUTE

WEITCHPEC ROUTE HOOPA, CA 95546

Addressee / Facility: Mailing

JOHNSONS VILLAGE WEITCHPEC ROUTE HOOPA, CA 95546

Facility Latitude: 41 11 17 Facility Longitude: 123 42 25

City Served: SACRAMENTO IHS

Treatment Class: Not Reported Population: 100

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0300628 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2002-11-01 00:00:00.

Compleren: 2002-11-30 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: Pwstypecod:

0370505 COLIFORM (TCR) Vioid: Contaminant:

Viol. Type: MCL, Monthly (TCR) 2000-09-01 00:00:00. Complperbe:

Complperen: 2000-09-30 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

HEXACHLOROBENZENE (HCB) Vioid: 0371327 Contaminant: Viol. Type: 3

2001-01-01 00:00:00. Complperbe:

Complperen: 2001-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

HEXACHLOROCYCLOPENTADIENE 0371400 Vioid: Contaminant:

Contaminant:

Viol. Type: 3

Complperbe: 2001-01-01 00:00:00.

Complperen: 2001-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: С

0371480 Contaminant: **NITRATE** Vioid:

Viol. Type: 3

Complperbe: 2000-01-01 00:00:00.

Complperen: 2000-12-31 00:00:00. Enfdate: 02-04-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname: Retpopsrvd: С 70 Pwstypecod:

0371609 Viol. Type: CCR Complete Failure to Report

Complperbe: 2002-07-01 00:00:00.

Complperen: 2005-08-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Vioid:

090600134 12/16/2008 Truedate: Pwsid:

Yurok - Wautec Pwsname:

Retpopsrvd: 70 Pwstypecod: С 0371631 Contaminant: 7000 Vioid:

Viol. Type: CCR Complete Failure to Report

Complperbe: 2001-07-01 00:00:00.

Complperen: 2005-08-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL** 7000

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0371663 Contaminant: 7000

Viol. Type: CCR Complete Failure to Report

Complperbe: 2000-07-01 00:00:00.

Complperen: 2005-08-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372060 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2001-10-01 00:00:00. Complperen: 2001-10-31 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372061 Contaminant: COLIFORM (TCR)

Viol. Type: MCL, Monthly (TCR)
Complperbe: 2001-11-01 00:00:00.

Complperen: 2001-11-30 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372070 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2001-12-01 00:00:00.

Complperen: 2001-12-31 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372072 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2001-09-01 00:00:00.

Compleren: 2001-09-30 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372073 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complerbe: 2001-08-01 00:00:00.

Complperen: 2001-08-31 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372074 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2001-07-01 00:00:00.

Complperen: 2001-07-31 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372091 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 2001-06-01 00:00:00. Complperen: 2001-06-30 00:00:00. Enfdate: 03-23-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372120 Contaminant: COLIFORM (TCR)

Viol. Type: MCL, Monthly (TCR)
Complperbe: 2000-08-01 00:00:00.

Compleren: 2000-08-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372121 Contaminant: COLIFORM (TCR)

 Viol. Type:
 MCL, Monthly (TCR)

 Complperbe:
 2000-07-01 00:00:00.

Complperen: 2000-07-31 00:00:00. Enfdate: 03-21-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0372131 Contaminant: COLIFORM (TCR)

 Viol. Type:
 MCL, Monthly (TCR)

 Complperbe:
 2000-06-01 00:00:00.

Complperen: 2000-06-30 00:00:00. Enfdate: 03-21-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec
Retpopsrvd: 70 Pwstypecod:

Vioid: 0488061 Contaminant: NITRATE

Viol. Type: 3

Complerbe: 2003-01-01 00:00:00.

Complperen: 2003-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503086 TOLUENE Vioid: Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

CARBON TETRACHLORIDE Vioid: 0503087 Contaminant:

Viol. Type: 3 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503088 XYLENES, TOTAL Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

0503089 Contaminant: BENZENE Vioid:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname: Retpopsrvd: Pwstypecod:

70

CHLORDANE Vioid: 0503090 Contaminant:

Viol. Type: Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid: Yurok - Wautec Pwsname:

Retpopsrvd: 70 Pwstypecod:

0503091 Contaminant: DI (2-ETHYLHEXYL) ADIPATE Vioid:

Viol. Type:

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

TRANS-1,2-DICHLOROETHYLENE 0503092 Vioid: Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: 0503093 **DALAPON** Vioid: Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005 Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503094 OXAMYL (VYDATE) Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: С

0503095 Contaminant: P-DICHLOROBENZENE Vioid:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00. Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

ETHYLBENZENE Vioid: 0503096 Contaminant:

Viol. Type: Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

090600134 12/16/2008 Truedate: Pwsid:

Yurok - Wautec Pwsname:

Retpopsrvd: 70 Pwstypecod: 0503097 Contaminant: **ENDOTHALL** Vioid:

Viol. Type: Complperbe:

2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503098 Contaminant: MERCURY

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503099 Contaminant: STYRENE

Viol. Type: 3 Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503100 Contaminant: 1,2-DICHLOROETHANE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503101 Contaminant: SIMAZINE

Viol. Type: 3

Complere: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503102 Contaminant: 1,2-DICHLOROPROPANE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503103 Contaminant: MONOCHLOROBENZENE (CHLOROBENZENE)

Viol. Type: 3

Complerbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0503104 Contaminant: BARIUM

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0503105 Contaminant: CYANIDE

Viol. Type: 3

Complerbe: 2004-01-01 00:00:00. Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503106 Contaminant: ETHYLENE DIBROMIDE (EDB)

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0503107 Contaminant: ENDRIN

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00. Complperen: 2004-12-31 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503108 Contaminant: DI (2-ETHYLHEXYL) PHTHALATE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec
Retpopsrvd: 70 Pwstypecod:

Vioid: 0503109 Contaminant: TRICHLOROETHYLENE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0503110 Contaminant: DIQUAT

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0503111 Contaminant: PENTACHLOROPHENOL

Viol. Type: 3

 Complperbe:
 2004-01-01 00:00:00.

 Complperen:
 2004-12-31 00:00:00.
 Enfdate:

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503112 Contaminant: CADMIUM

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503113 Contaminant: THALLIUM, TOTAL

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0503114 Contaminant: 2,4-D

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec
Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503115 Contaminant: GLYPHOSATE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

08-31-2005

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: 0

Vioid: 0503116 Contaminant: BENZO (A) PYRENE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503117 Contaminant: HEPTACHLOR

Viol. Type: 3 Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503118 Contaminant: ALACHLOR (LASSO)

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503119 Contaminant: 1,1,1-TRICHLOROETHANE

Viol. Type: 3 Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C

Vioid: 0503120 Contaminant: ATRAZINE

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Compleren: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0503121 Contaminant: DINOSEB

Viol. Type: 3

Complerbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: NULL

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

METHOXYCHLOR Vioid: 0503122 Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

1,1,2-TRICHLOROETHANE Vioid: 0503123 Contaminant:

Viol. Type: 3 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec 70 Pwstypecod:

Retpopsrvd:

HEXACHLOROBENZENE (HCB) 0503124 Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

0503125 Contaminant: **CARBOFURAN** Vioid:

Viol. Type: 3 Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

1,2 DIBROMO-3-CHLOROPROPANE (DBCP) Vioid: 0503126 Contaminant:

Viol. Type:

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

090600134 12/16/2008 Truedate: Pwsid:

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70 **FLUORIDE** 0503127 Contaminant: Vioid:

Viol. Type:

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

SELENIUM Vioid: 0503128 Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

Vioid: 0503129 Contaminant: **TETRACHLOROETHYLENE**

Viol. Type: 3 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503130 **NITRATE** Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

0503131 Contaminant: HEPTACHLOR EPOXIDE Vioid:

Viol. Type: 3 Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

2,4,5-TP (SILVEX) Vioid: 0503132 Contaminant:

Viol. Type:

Complperbe: 2004-01-01 00:00:00.

2004-12-31 00:00:00. Complperen: Enfdate: 08-31-2005 Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Yurok - Wautec Pwsname:

Retpopsrvd: 70 Pwstypecod:

0503133 Contaminant: **HEXACHLOROCYCLOPENTADIENE** Vioid:

Viol. Type:

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

1,1-DICHLOROETHYLENE Vioid: 0503134 Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

Vioid: 0503135 Contaminant: 1,2,4-TRICHLOROBENZENE 3

Viol. Type: 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503136 METHYLENE CHLORIDE (DICHLOROMETHANE) Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

0503137 Contaminant: **TOXAPHENE** Vioid:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

ANTIMONY, TOTAL Vioid: 0503138 Contaminant:

Viol. Type: Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

12/16/2008 Truedate: Pwsid:

Yurok - Wautec Pwsname: Retpopsrvd: 70 Pwstypecod:

0503139 Contaminant: **BHC-GAMMA (LINDANE)** Vioid:

Viol. Type:

Complperbe: 2004-01-01 00:00:00. Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL** 090600134

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

VINYL CHLORIDE Vioid: 0503140 Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: **ARSENIC** Vioid: 0503141 Contaminant:

Viol. Type: 3

2004-01-01 00:00:00. Complperbe: Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

NULL Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503142 **PICLORAM** Vioid: Contaminant:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

0503143 Contaminant: **CHROMIUM** Vioid:

Viol. Type: 3

Complperbe: 2004-01-01 00:00:00. Complperen: 2004-12-31 00:00:00. Enfdate:

08-31-2005

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

Violmeasur:

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

O-DICHLOROBENZENE Vioid: 0503144 Contaminant:

Viol. Type:

Complperbe: 2004-01-01 00:00:00. Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

NULL

12/16/2008 090600134 Truedate: Pwsid:

Yurok - Wautec Pwsname:

Retpopsrvd: 70 Pwstypecod:

0503145 Contaminant: BERYLLIUM, TOTAL Vioid: Viol. Type:

Complperbe: 2004-01-01 00:00:00.

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Enf action: Fed Compliance Achieved

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

Vioid: 0503146 Contaminant:

Viol. Type: 3 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate:

Enf action: Fed Compliance Achieved

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0503147 CIS-1,2-DICHLOROETHYLENE Vioid: Contaminant:

Viol. Type: 3 2004-01-01 00:00:00. Complperbe:

Complperen: 2004-12-31 00:00:00. Enfdate: 08-31-2005

Fed Compliance Achieved Enf action:

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

0600134034000102007 GROSS ALPHA, EXCL. RADON & U Vioid: Contaminant:

Viol. Type: 3

Complperbe: 10-01-2007

Complperen: 12-31-2007 Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

060013403400012008 Contaminant: GROSS ALPHA, EXCL. RADON & U Vioid:

Viol. Type: 3

Complperbe: 01-01-2008 Complperen: 03-31-2008 No Enf Action as of Enfdate:

Enf action: Not Reported

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod: 70

060013403400042008 GROSS ALPHA, EXCL. RADON & U Vioid: Contaminant:

Viol. Type:

Complperbe: 04-01-2008

Complperen: 06-30-2008 Enfdate: No Enf Action as of

Not Reported Enf action:

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Pwstypecod: Retpopsrvd: 70 **COMBINED URANIUM**

0600134034006102007 Contaminant: Vioid:

Viol. Type:

Complperbe: 10-01-2007

12-31-2007 Complperen: Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: **NULL** TOTAL POLYCHLORINATED BIPHENYLS (PCB)

08-31-2005

Contaminant:

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: Pwstypecod:

060013403400612008 Vioid: Viol. Type: 3

Complperbe: 01-01-2008

Complperen: 03-31-2008 Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid:

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

COMBINED URANIUM Vioid: 060013403400642008 Contaminant:

Viol. Type: 3 Complperbe: 04-01-2008

Complperen: 06-30-2008 Enfdate: No Enf Action as of

Not Reported Enf action:

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec Retpopsrvd: 70 Pwstypecod:

0600134034010102007 COMBINED RADIUM (-226 & -228) Vioid: Contaminant:

Viol. Type: 3

Complperbe: 10-01-2007

Complperen: 12-31-2007 Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

С Retpopsrvd: 70 Pwstypecod:

060013403401012008 Contaminant: COMBINED RADIUM (-226 & -228) Vioid:

Viol. Type: 3 Complperbe: 01-01-2008

Complperen: 03-31-2008 No Enf Action as of Enfdate:

Enf action: Not Reported Violmeasur: **NULL**

Truedate: 12/16/2008 Pwsid: 090600134

Yurok - Wautec Pwsname:

Retpopsrvd: Pwstypecod:

060013403401042008 COMBINED RADIUM (-226 & -228) Vioid: Contaminant:

Viol. Type:

Complperbe: 04-01-2008

Complperen: 06-30-2008 Enfdate: No Enf Action as of Not Reported

Enf action:

Violmeasur: **NULL**

12/16/2008 090600134 Truedate: Pwsid: Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod:

COMBINED RADIUM (-226 & -228)

060013403401072008 Contaminant: Vioid:

Viol. Type: Complperbe: 07-01-2008

Complperen: 09-30-2008 Enfdate: No Enf Action as of

Enf action: Not Reported Violmeasur: **NULL**

COMBINED URANIUM

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 060013431020012006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Unfilt)

Complperbe: 2006-01-01 00:00:00.

Complperen: 2006-01-31 00:00:00. Enfdate: 04-16-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 060013431020012006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Unfilt)
Complperbe: 2006-01-01 00:00:00.

Compleren: 2006-01-31 00:00:00. Enfdate: 08-21-2006

Enf action: Fed Tech Assistance Visit

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 060013431020042006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Unfilt)

Complperbe: 2006-04-01 00:00:00.

Compleren: 2006-04-30 00:00:00. Enfdate: 04-16-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 060013431020042006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Unfilt)

Complperbe: 2006-04-01 00:00:00.

Complperen: 2006-04-30 00:00:00. Enfdate: 08-21-2006

Enf action: Fed Tech Assistance Visit

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 0600134360200102006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 2006-10-01 00:00:00.

Complperen: 2006-10-31 00:00:00. Enfdate: 04-16-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0600134360200102007 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 10-01-2007

Complperen: 10-31-2007 Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0600134360200112006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 2006-11-01 00:00:00.

Compleren: 2006-11-30 00:00:00. Enfdate: 04-16-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 0600134360200112007 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 11-01-2007

Complperen: 11-30-2007 Enfdate: No Enf Action as of

Enf action: Not Reported

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C
Vioid: 060013436020012006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 2006-01-01 00:00:00.

Complperen: 2006-01-31 00:00:00. Enfdate: 04-16-2007

Enf action: Fed Compliance Achieved

Violmeasur: NULL

Truedate: 12/16/2008 Pwsid: 090600134

Pwsname: Yurok - Wautec

Retpopsrvd: 70 Pwstypecod: C Vioid: 060013436020012006 Contaminant: SWTR

Viol. Type: Monitoring, Routine/Repeat (SWTR-Filter)

Complperbe: 2006-01-01 00:00:00.

Complperen: 2006-01-31 00:00:00. Enfdate: 08-21-2006

Enf action: Fed Tech Assistance Visit

Violmeasur: NULL

CONTACT INFORMATION:

Name: Yurok - Wautec Population: 70

Contact: Maria Trip Phone: 7074821350

Address: P.O. Box 1027
Address 2: 190 Klamath Blvd.

Klamath, CA 95548

AREA RADON INFORMATION

Federal EPA Radon Zone for HUMBOLDT 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 HUMBOLDT COUNTY, CA

Number of sites tested: 32

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.375 pCi/L	97%	3%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.900 pCi/L	100%	0%	0%

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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 Health Services

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

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 Radon Database for California

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D EDR AND OTHER HISTORICAL AERIAL PHOTOGRAPHS

Bizards Former gas station

Hwy 169 Weitchpec, CA 95546

Inquiry Number: 2497843.21

May 19, 2009

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography May 19, 2009

Target Property:

Hwy 169

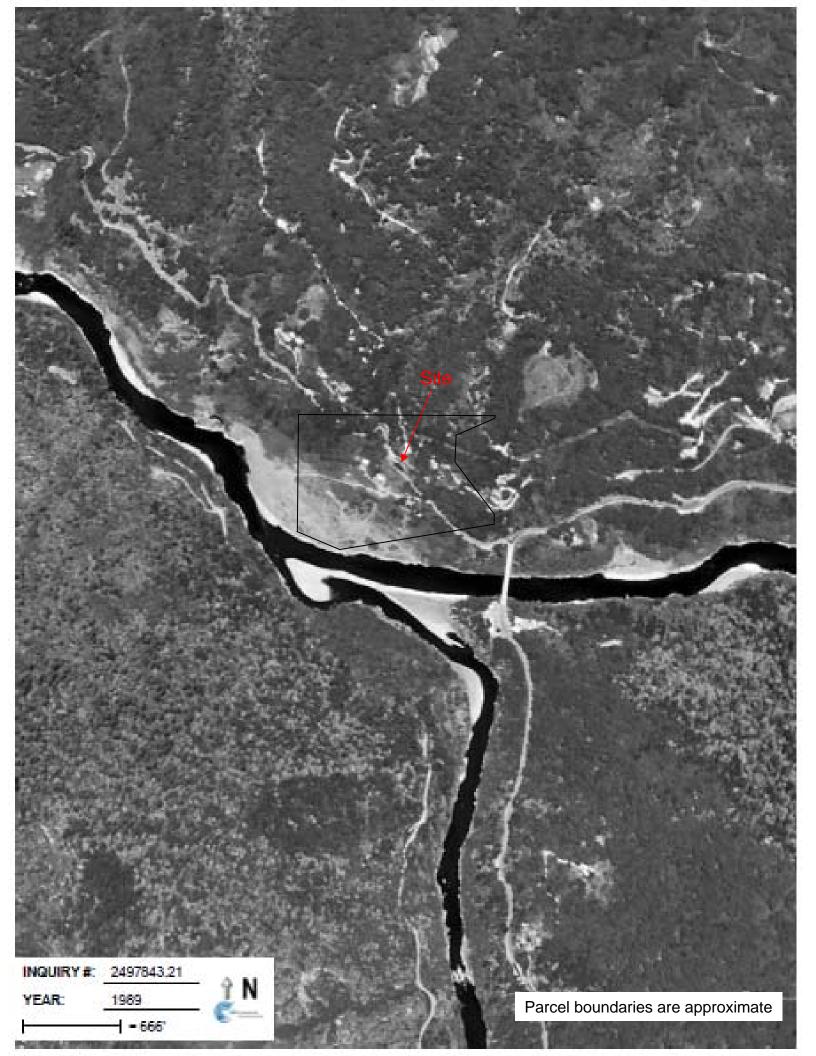
Weitchpec, CA 95546

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1947	Aerial Photograph. Scale: 1"=623'	Flight Year: 1947	USGS
1954	Aerial Photograph. Scale: 1"=555'	Flight Year: 1954	Clyde Sunderland
1973	Aerial Photograph. Scale: 1"=533'	Flight Year: 1973	USGS
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
2005	Aerial Photograph. Scale: 1"=492'	Flight Year: 2005	EDR















Humboldt County, Public Woks Department, 1966 Aerial Photograph (taken 8-2-66), Photo Number 37B-3.

APPENDIX E EDR HISTORIC TOPOGRAPHIC MAPS

Bizards Former gas station

Hwy 169 Weitchpec, CA 95546

Inquiry Number: 2497843.20

May 18, 2009

The EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

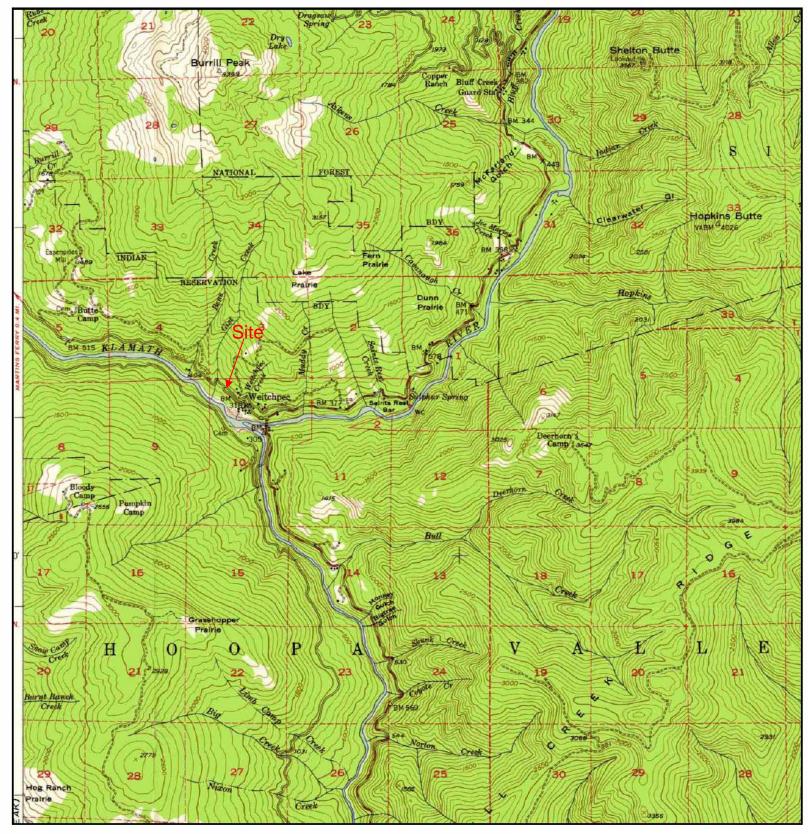
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Historical Topographic Map



Parcel boundaries are approximate

N

TARGET QUAD NAME: HOOPA

MAP YEAR: 1952

SERIES: 15 SCALE: 1:62500 SITE NAME: Bizards Forme

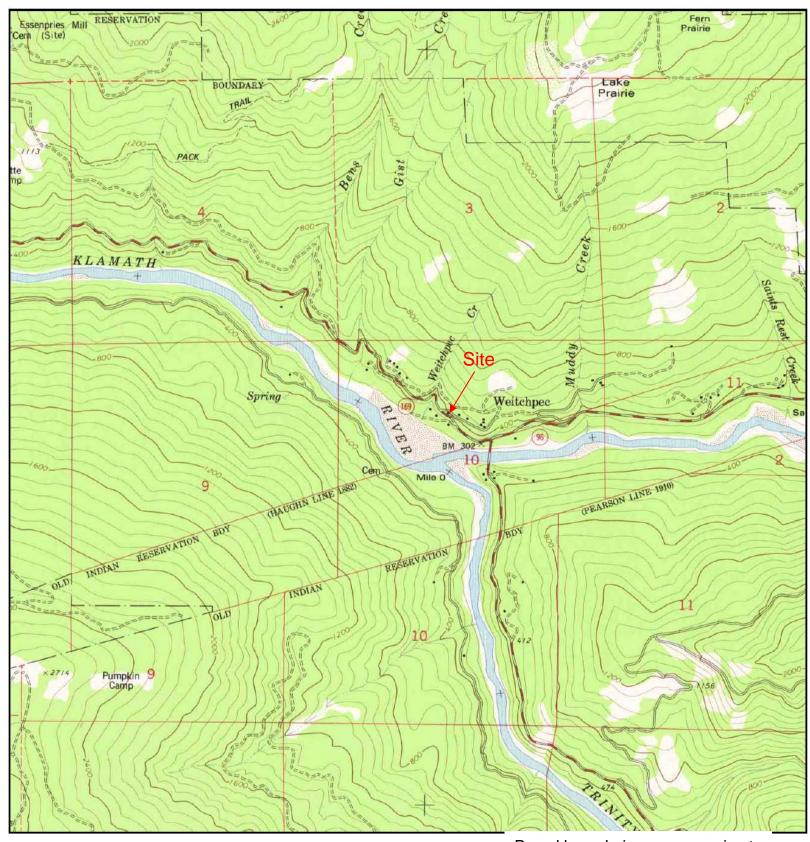
Bizards Former gas station

ADDRESS: Hwy 169

Weitchpec, CA 95546 LAT/LONG: 41.1879 / 123.709 CLIENT: Freshwater Environmental Service

CONTACT: Julie Savona INQUIRY#: 2497843.20 RESEARCH DATE: 05/18/2009

Historical Topographic Map



Parcel boundaries are approximate

N

TARGET QUAD

NAME: WEITCHPEC

MAP YEAR: 1979

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Bizards Former gas

station

ADDRESS: Hwy 169

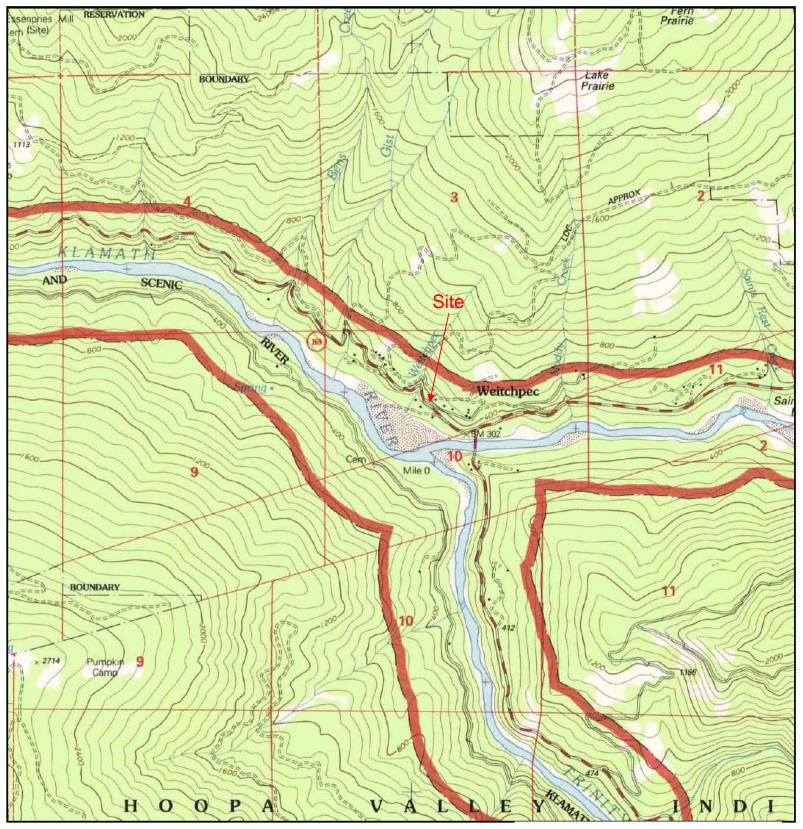
Weitchpec, CA 95546

LAT/LONG: 41.1879 / 123.709

CLIENT: Freshwater Environmental Service

CONTACT: Julie Savona INQUIRY#: 2497843.20 RESEARCH DATE: 05/18/2009

Historical Topographic Map



Parcel boundaries are approximate

N

TARGET QUAD

NAME: WEITCHPEC

MAP YEAR: 1997

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Bizards Former gas

station

ADDRESS: Hwy 169

Weitchpec, CA 95546

LAT/LONG: 41.1879 / 123.709

CLIENT: Freshwater Environmental Service

CONTACT: Julie Savona INQUIRY#: 2497843.20 RESEARCH DATE: 05/18/2009

APPENDIX F EDR SANBORN FIRE INSURANCE MAPS NO COVERAGE SEARCH DOCUMENTATION

Bizards Former gas station

Hwy 169 Weitchpec, CA 95546

Inquiry Number: 2497843.19

May 18, 2009

Certified Sanborn® Map Report



Certified Sanborn® Map Report

5/18/09

Site Name: Client Name:

Bizards Former gas station

Hwy 169

Weitchpec, CA 95546

Freshwater Environmental 1372 Anderson Avenue McKinleyville, CA 95519

EDR Inquiry # 2497843.19 Contact: Julie Savona



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Freshwater Environmental Service were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Bizards Former gas station

Address: Hwy 169

City, State, Zip: Weitchpec, CA 95546

Cross Street:

P.O. # NA Project: Yurok

Certification # C8F4-44C4-A22A



Sanborn® Library search results Certification # C8F4-44C4-A22A

UNMAPPED PROPERTY

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

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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

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APPENDIX G SITE PHOTOGRAPHS



Driveway to residence on Subject Property. UST may be located under driveway.



View of driveway and Hwy 169 from the north



View of Subject Property and general vicinity of UST



View of Subject Property, including AST, from the north.



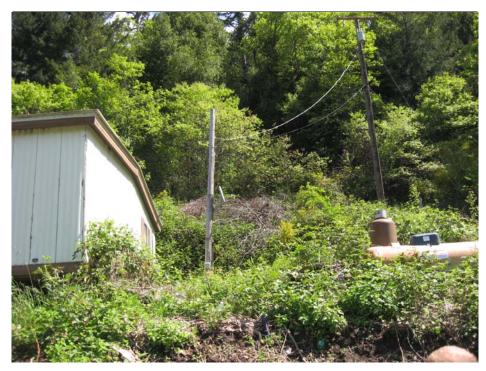
Gas can on Subject Property



Discarded batteries on Subject Property

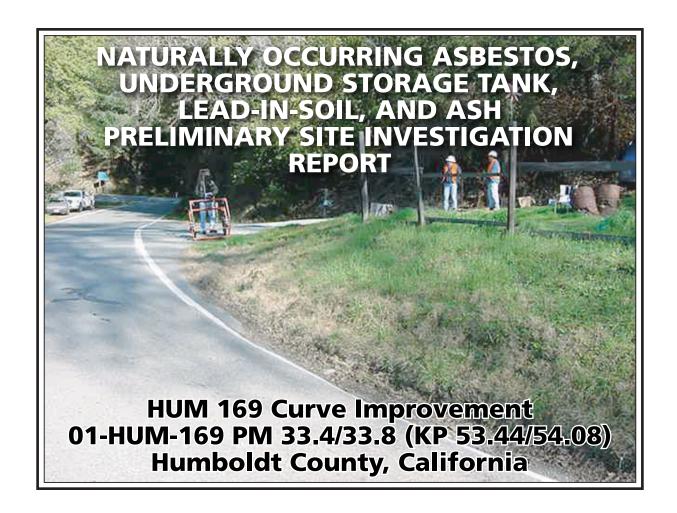


View of west portion of Subject Property



East portion of Subject Property (back of residence) including location of transformer

APPENDIX H GEOCON CONSULTANTS, INC. REPORT



PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION DISTRICT 1
EUREKA, CALIFORNIA 95501



PREPARED BY:

GEOCON CONSULTANTS, INC. 3160 GOLD VALLEY ROAD, SUITE 800 RANCHO CORDOVA, CALIFORNIA 95742





GEOTECHNICAL - ENVIRONMENTAL - MATERIALS



Project No. S8875-06-19 March 30, 2005

Mr. Steve Werner California Department of Transportation - District 1 North Region Environmental Engineering Office 1656 Union Street Eureka, California 95501

Subject: HUM 169 CURVE IMPROVEMENT

WEITCHPEC, HUMBOLDT COUNTY, CALIFORNIA

CONTRACT NO. 03A0937

TASK ORDER NO. 19, EA 01-430500

NATURALLY OCCURRING ASBESTOS, UNDERGROUND STORAGE TANK, LEAD-IN-SOIL, AND ASH PRELIMINARY SITE INVESTIGATION REPORT

Dear Mr. Werner:

In accordance with California Department of Transportation (Caltrans) Contract No. 03A0937 and Task Order Number (TO) No. 19, EA 01-430500, Geocon Consultants, Inc. has performed environmental engineering services at the above referenced site (the Site). The Site consists of the Caltrans right-of-way and an adjacent parcel affected by the roadway improvement activities in the area of the State Route 169 in the town of Weitchpec, Humboldt County, California from Post Mile 33.4 to 33.8 (Kilometer Post 53.44 to 54.08).

The accompanying report summarizes the services performed including a geological reconnaissance, the excavation of seven hand-auger borings for naturally occurring asbestos sampling, the excavation of seven hand-auger borings for lead sampling, confirmation of a suspected underground storage tank location, and characterization of burn-barrel ash.

The contents of this report reflect the views of the author, who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact the undersigned if there are any questions concerning the contents of this report or if Geocon may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

David W. Bieber

John E. Juhrend

David W. Bieber, CEG, CHG, RGP Project Manager John E. Juhrend, PE, CEG Principal

DWB:JEJ:ss

(5) Addressee (+ 3 CDs)

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	2.2	Abandoned Underground Storage Tanks										
	2.3	Metals Impacts Related to Lead-in-soil and Burn-barrel Ash										
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NATURALLY OCCURRING ASBESTOS, UNDERGROUND STORAGE TANK, LEAD-IN-SOIL, AND ASH PRELIMINARY SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This naturally occurring asbestos (NOA), underground storage tank (UST), lead-in-soil, and ash preliminary site investigation (PSI) report for the California State Route 169 (HUM-169) Curve Improvement Project in Humboldt County was prepared by Geocon Consultants, Inc. under the California Department of Transportation (Caltrans) Contract No. 03A0937 and Task Order (TO) No. 19, EA 01-430500.

1.1 Project Description and Proposed Improvements

The Site is located on HUM-169 between Kilometer Post (KP) 53.44 and 54.08 (Post Miles (PM) 33.4 and 33.8), in the vicinity of the town of Weitchpec, Humboldt County, California. The approximate project location is depicted on the Vicinity Map, Figure 1. Proposed improvements at the Site include improving the sight distance around a curve, widening the travel way, demolition of a residential structure adjacent to the roadway, and relocation of the residents of the structure to a location approximately 40 meters (m) (130 feet [ft]) to the north of the existing structure. Soil disturbance and excess soil disposal are anticipated at the Site.

Caltrans has requested geologic assessment and sampling of the study area to provide data regarding the presence of NOA in soils and rock, the location of a reportedly abandoned UST, residual lead-in-soil from the destruction of a previously located historic structure, and assessment of burn-barrel ash found within the proposed construction area. Asbestos-containing material (ACM) and lead-containing paint (LCP) surveys were conducted in conjunction with the PSI and have been reported under separate cover. A copy of the Asbestos and Deteriorated Lead-Containing Paint Survey Report is presented in Appendix A. The HUM-169 project boundaries and surface features are illustrated on the Site Plan, Figure 2.

1.2 General Objectives

The objective of the scope of services outlined in TO No. 19 was to evaluate the following

- 1) Whether NOA is present above regulatory thresholds on the Site;
- 2) Whether abandoned USTs are present on the Site;
- 3) Whether lead contamination associated with the destruction by fire of a structure on the Site is present in the soil; and
- 4) Whether residual ash in burn-barrels on the Site contain one or more of the 16 Title 22 metals in excess of regulated levels.

Construction activities proposed by Caltrans will require the disturbance of soil, rock outcrops, and existing pavement on the Site.

According to information in the Caltrans project TO description, geologic mapping presented in the 2003 California Geologic Survey (CGS) report titled *Preliminary Assessment of Areas More Likely to Contain Naturally Occurring Asbestos (NOA) in California Department of Transportation District 1* by Downey (Downey, 2003) depicts an ultramafic rock formation in the vicinity of, but not on the Site. The alteration of ultramafic rocks can lead to the formation of NOA minerals. Construction activities proposed by Caltrans associated with the roadway improvements may disturb NOA-containing soils and/or rock units adjacent to the roadway, if present on the Site. If not managed, disturbance of NOA during construction activities may potentially pose an inhalation risk to the health of construction personnel. Information regarding asbestos content will be used by Caltrans to assess the health risk to construction personnel working within the study area and to comply with California Air Resources Board (CARB) regulations. The investigative results will be used by Caltrans to inform the construction contractor if NOA-impacted soil and/or rock are present within the project boundaries for health, safety and disposal purposes.

According to the Caltrans TO, the former Brizard's Store, which burned down in the 1950s, once occupied the Site. The Brizard's Store was reported to have sold gasoline when it was operational. A concrete footing was visible where the gas pump for the store was reported to have been located. Additionally, an onsite relative of the former store owner apparently indicated to Caltrans that the fuel tanks were never removed. As part of the removal process, Caltrans will need to collect soil samples to determine the potential presence of contamination associated with the USTs.

Based on the reported age of the burned down store structure, it may have been painted using lead-based paint and contained lead in plumbing. Due to the potential for lead-in-soil contamination associated with the former structure, it was necessary to assess the location to evaluate whether shallow soils are impacted by lead from paint used on the former structure.

The current residents of the Site have been using burn barrels for disposing of household wastes. Caltrans will need to dispose of the burn-barrel ash along with general debris on the Site. The ash from the burning of household waste can be high in metals used in common household products. In order to classify the ash for disposal, it was necessary to assess it for metals content.

Information obtained from the PSI will be used by Caltrans to inform construction contractors of potential hazardous wastes and materials present within the project boundaries which pose a possible risk for construction worker health and safety, and for waste management and disposal evaluation purposes.

2.0 BACKGROUND

The Site includes the roadway shoulder areas on HUM-169 between KP 53.44 and 54.08 (PM 33.4 and 33.8), a portion of a residential parcel designated as Assessor's parcel number 530-061-00 containing a 1970s double-wide mobile home, and a location approximately 40 m (130 ft) to the north of the existing structure. The mobile home is situated on the site of the former Brizard's Store, which burned down in the 1950s.

2.1 Naturally Occurring Asbestos

The construction activities proposed by Caltrans may disturb NOA-containing soils and/or rock units, if present at the Site. The CARB has mitigation practices for construction, grading, quarrying, and surface mining operations that may disturb natural occurrences of asbestos outlined in Title 17 California Code of Regulations (CCR), Section 93105. NOA potentially poses a health hazard when it becomes an airborne particulate. The roadway improvement activities proposed on the Site could disturb NOA-containing rock and soil, if present, thereby potentially creating an airborne asbestos hazard. Mitigation practices can reduce the risk of exposure to airborne NOA-containing dust. Dust suppression practices include wetting the materials being disturbed and wearing approved High Efficiency Particulate Air (HEPA) asbestos masks during construction activities. Similar methods are outlined in the Title 17 CCR, Section 93106 for airborne asbestos in road surfacing applications. Using surfacing material with 0.25% or more asbestos material is not permitted, and wetting of the material or a surface sealant is recommended to minimize disturbance of the asbestos material during construction activities. Onsite reuse or disposal of NOA-containing materials is allowed by 17 CCR 93106 and 17 CCR 93105 if it is buried under at least 0.15 m (0.5 ft) of material that does not contain NOA.

2.2 Abandoned Underground Storage Tanks

State of California regulatory requirements for the closure of USTs are contained in CCR Title 23, Chapter 16, Article 7 (CCR Title 23). CCR Title 23 specifies that USTs that are no longer being used, will not be used, or are not intended for reuse for a period greater than twelve months will be permanently closed.

2.3 Metals Impacts Related to Lead-in-soil and Burn-barrel Ash

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in CCR, Title 22, Division 4.5, Chapter 11, Article 3, § 66261.24. Criteria to classify a waste as "Resource, Conservation, and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the total metal content exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the soluble metal

content exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste has the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the soluble metal content exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

Per Section 25157.8 of the California Health and Safety Code (HSC), "no person shall dispose waste that contains total lead in excess of 350 milligrams per kilogram (mg/kg) to land other than a Class I hazardous waste disposal facility."

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. DTSC generally considers excavated or transported materials that exhibit "hazardous waste" characteristics to be a "waste" requiring proper management, treatment and disposal. Soil that contains lead above hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a "waste." The DTSC has provided site-specific determinations that "movement of wastes within an area of contamination does not constitute "land disposal" and, thus, does not trigger hazardous waste disposal requirements." Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned, and recompacted during roadway improvement activities might not be considered a "waste;" DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

3.0 SCOPE OF SERVICES

The following scope of services was performed as requested by Caltrans under TO No. 19.

3.1 Pre-field Activities

- Conducted a TO Meeting by phone on January 3, 2005, to discuss the TO scope of services.
 Caltrans representative Steve Werner and Geocon representative David Bieber were present on the call. The purpose of the TO Meeting was to clarify and discuss project related issues and concerns.
- Prepared a Workplan dated January 27, 2005, for the Site and for an adjacent project covered under TO No. 20, which describes the requested scope of services, quality assurance/quality control (QA/QC) sampling, and laboratory procedures.
- Prepared a Health and Safety Plan dated January 14, 2005, for the Site and for an adjacent project covered under TO No. 20, to provide guidelines on the use of personal protective equipment and the health and safety procedures to be implemented during the proposed field activities.
- Reviewed existing geological maps and studies of the Site and surrounding areas for information on the potential presence of NOA.
- Retained the services of Advanced Technology Laboratories (ATL), a Caltrans-approved and California-certified analytical laboratory, to perform chemical analyses of samples.
- Retained the services of EMSL Inc., a Caltrans-approved and California-certified analytical laboratory, to perform the asbestos analyses of samples.
- Retained the services of Spectrum Geophysics, a Caltrans-approved subcontractor, to provide geophysical services.

3.2 Field Activities

Geological reconnaissance and sample collection were conducted on February 1, 2005, by David W. Bieber, Geocon field supervisor and a California Certified Engineering Geologist (CEG No. 2092) with specialized experience in the assessment of NOA. The field activities included the following:

- Collection of seven soil/rock samples for NOA analysis and geologic assessment of the lithology visible from the roadway within the Caltrans designated project study limits;
- Performance of a geophysical survey for the presence of USTs and limited investigation of geophysical anomalies identified during the geophysical survey;
- Collection of seven soil samples for lead-in-soil analysis; and
- Collection of one sample of ash from a pair of barrels used for burning residential refuse on the Site.

Following the sample collection and excavation to expose geophysical anomalies, the borings and excavations were backfilled with excess soil cuttings. Details of the field activities are presented in the following sections.

Mr. David Watts, a State of California Occupational Safety and Health (Cal/OSHA) Certified Asbestos Consultant (CAC) and California Department of Health Services (DHS)-certified LCP inspector/assessor, conducted an ACM and LCP survey of the existing residential structure in conjunction with this PSI. The results of the ACM and LCP surveys are presented in a separate standalone Asbestos and Deteriorated Lead-Containing Paint Survey Report, presented as Appendix A of this PSI report.

4.0 INVESTIGATIVE METHODS

4.1 Sampling Location Rationale

Caltrans designated the general sampling areas on the Site. Individual sample locations were chosen in the field by the Geocon field supervisor and Caltrans contract manager. Five samples (SR169-NOA1 through SR169-NOA5) were collected for NOA analysis from the ditch and adjacent embankment along the shoulders of HUM-169 on the Site. An additional two NOA samples (SR169-NOA6 and SR169-NOA7) were collected from the relocation area on the Site. Sample locations were selected to provide an assessment of the potential presence of NOA within the soil, rock, and colluvial material likely to be disturbed by the proposed road improvement activities on the Site. Seven soil samples (SR169-Pb1 through SR169-Pb7) were collected for lead analysis. The lead-in-soil samples were collected from the within the probable footprint where the former Brizard's store was supposed to have stood. The ash sample from the burn-barrels was collected through a hole rusted into the side of one of the barrels.

The location of each boring was determined using a differential global positioning system (GPS). The GPS was utilized during the field activities to locate the horizontal position of each boring with an error of no more than 1.0 m (3.3 ft). The approximate sample locations are depicted on the Site Plan, Figure 2. GPS coordinates for the NOA and lead sample locations are presented in Tables 1 and 2.

4.2 Naturally Occurring Asbestos Sampling Procedures

Six NOA samples (SR169-NOA2 through SR169-NOA7) were collected from hand-auger soil borings on the Site. The soil borings were advanced to a depth of 0.3 m (1.0 ft) below ground surface (bgs) or until refusal. The NOA hand-auger samples were transferred directly from the auger bucket to a plastic bag. One rock sample (SR169-NOA1) was collected by chipping material off of the outcrop with a rock hammer, and placing it into a plastic bag.

4.3 Underground Storage Tank Location

The primary purpose of the geophysical investigation was to determine whether undocumented USTs are present on the Site, as reported. A second objective of the geophysical survey was to determine whether undocumented utilities are present on the Site. The geophysical methods used by Spectrum included the following:

- EM-61 high-sensitivity metal detector;
- Electromagnetic induction using a Fisher M-scope shallow-focus metal detector;

- Ground Penetrating Radar using a Sensors and Software Noggin Smart Cart System coupled with a 500-megahertz (MHz) antenna; and
- EM Utility-location.

The geophysical survey data was collected along traverses laid out on a grid pattern covering an approximately 140 square meter (1,500 square foot) area. The specific survey area was determined in the field by the Geocon field supervisor and the Caltrans Contract Manager. The locations of recorded anomalies were mapped in the field. David Bieber, a California Registered Geophysicist (RGP #1016) was onsite during the geophysical surveys.

A generalized site plan showing the area of geophysical investigation and a more detailed description of the geophysical methods used is presented in Spectrum's *Results of Geophysical Investigation* report in Appendix B. Manual excavation methods were used to confirm UST and associated pipe locations.

4.4 Lead-in-soil Sampling

Seven soil samples (SR169-Pb1 through SR169-Pb7) were collected for lead analysis. The lead-in-soil samples were collected from the within the probable footprint where the former Brizard's store was supposed to have stood. The lead-in-soil hand-auger samples were transferred to a plastic bag for field homogenization. After homogenization, a portion of the lead-in-soil sample was transferred to a laboratory-supplied glass jar. Excess sample material was placed back into the boring from which it was collected.

4.5 Ash Sampling

One burn-barrel ash sample was collected for analysis for total metals. The sample was collected by using a stainless-steel sampling trowel to collect ash from a hole rusted through one of two burn-barrels on the Site. The ash sample was placed directly into a laboratory-supplied glass jar.

4.6 Sample Tracking and Quality Assurance/Quality Control Procedures

Each sample container was marked with a unique sample identification number and the date and time at which it was collected. After collection, the samples were placed in two ice-chests: one containing ice for the samples for chemical analysis and one for storage of NOA samples. The jars containing the samples for metals analysis were delivered to ATL for analysis under standard chain-of-custody (COC) procedures. The bagged NOA samples were delivered to EMSL for asbestos analysis under standard COC procedures. Prior to submitting the samples to the laboratory, the COC documentation was reviewed for accuracy and completeness. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix C.

QA/QC procedures utilized during the field exploration activities included cleansing/rinsing of the sampling equipment between each sample location and providing COC documentation for each sample submitted to the laboratory. Cleansing/rinsing of the sampling equipment was performed prior to the collection of each sample by washing the equipment with an Alconox® solution followed by two deionized water rinses. Soil borings were backfilled with the excess soil cuttings. The decontamination water was discharged to the ground surface in the Caltrans right-of-way, away from the roadway and storm drain inlets.

4.7 Laboratory Analyses

4.7.1 Naturally Occurring Asbestos Samples

Seven NOA samples were analyzed by EMSL on a standard ten-day turn-around-time (TAT) basis for Asbestos by CARB Method 435, which includes asbestos by the United States Environmental Protection Agency (EPA) Bulk Point Count Method and asbestos by Qualitative Polarized Light Microscopy.

4.7.2 Lead-in-soil Samples

The soil samples collected from the lead borings were analyzed by ATL on a standard ten-day TAT basis for the following analytes:

- A total of seven soil samples were analyzed for total lead using EPA Test Method 6010B.
- One sample (SR169-Pb7) with total lead concentrations between 50 and 1,000 mg/kg was further analyzed for soluble lead using the WET method, EPA Test Method 7420.

4.7.3 Burn-barrel Ash Sample

The one burn-barrel ash sample (SR169 Burn barrel ash) was analyzed by ATL on a standard ten-day TAT basis for the following analytes:

- 16 Title 22 metals using EPA Test Method 6010B.
- Since copper concentrations exceeded 250 mg/kg, ten times the STLC, the sample was further analyzed for STLC copper using the WET method extraction and Test Method 6010B.

4.7.4 Laboratory QA/QC Procedures

QA/QC procedures were performed as applicable for each method of analysis with specificity for each analyte listed in the test method's QA/QC. QA/QC measures included the following:

 One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.

- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever was more frequent, with the spike made at ten times the detection limit or at the analyte level.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Site Geology

Geocon staff reviewed existing geological maps and studies of the Site and surrounding areas prior to beginning the field work. The review was used to gather information regarding the potential presence of NOA on the Site. The rocks on or adjacent to the Site are primarily Pre-Cretaceous metasedimentary rocks according to the *Geologic Map of California - Weed Sheet* compiled by Rudolf G. Strand, and published by the CGS in 1963 (Weed Sheet). The Downey (2003) report does not depict potentially NOA-containing rocks on the Site.

Geocon staff performed a geologic assessment of the lithology of outcrops visible within the Caltrans right-of-way. The visible outcrops appeared to be composed of interbedded light brownish gray (5YR 6/1) slaty to schistose metasedimentary rocks with some cross-cutting veins of quartz up to 0.45 m (1.5 ft) wide. The observed geology generally matches the geology depicted on the Weed Sheet. The soils encountered during the advancement of the hand-auger borings were composed primarily of soft to firm, moist, pale yellow brown to moderate brown to brownish gray (10YR 6/2 to 5YR 4/4 to 5YR 4/1), mixtures of clay, silt, and slaty rock fragments over slaty to schistose weathered bedrock.

Groundwater was not encountered during the investigation.

5.2 Naturally Occurring Asbestos Results

NOA was not reported at or above the laboratory method detection limit of 0.25% in any of the samples analyzed. The analytical results of the NOA soil samples are presented in the Summary of Boring Coordinates and Asbestos Analytical Results, Table 1. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix C.

5.3 Underground Storage Tank Location Survey Results

The EM-61 geophysical survey identified two anomalies on the Site, identified as "A" and "B". Anomaly "A" was located on the shoulder of HUM-169, approximately 2.4 m (8 ft) southwest of the concrete footing where the gas pump for the store was reported to have been located. The second anomaly, "B", was located within the footprint of where the former Brizard's store was reported to have stood. A contour map of EM-61 differential data depicting the two anomalies is presented in Spectrum's *Results of Geophysical Investigation* report in Appendix B.

One abandoned UST was discovered were anomaly "A" was identified. Manual excavation methods (pick and shovel) were employed to explore around the concrete footing on which the gas pump was reported to have stood. Two abandoned pipes were uncovered at a depth of approximately 0.46 m (1.5 ft) bgs on the northeast side of the footing. The pipes were uncovered at the footing and traced 2.35 m

(7.7 feet) to the southwest to where they ended. One of the two pipes ended at a horizontal tee with no outlets, and the other ended at a vertical tee that was open at the top, and was connected to a vertical pipe leading into the UST. The depth to the top of the UST was found to be approximately 1.1 m (3.5 feet) bgs as determined by measuring down the pipe. The inside diameter of the tank is approximately 1.02 m (40 inches [in]), but the length could not be reliably determined, so the tank's volume is currently unknown. The GPS coordinates recorded for the UST are 41.188350313 north latitude-123.708561478 west longitude, and the approximate UST location is shown on the Site Plan, Figure 2.

Liquid that smelled like degraded gasoline was present in the tank and the depth of the liquid was approximately 0.8 m (32 in). Geocon attempted to hand-auger down to the depth of the bottom of the tank along its sides, but was unable to due to rocks in the backfill around the tank. Since the tank currently contains product, and the tank excavation will need to be sampled after the tank is removed, Caltrans elected not to collect samples from around the tank during the PSI. At the conclusion of the PSI, the pipe leading down into the tank was temporarily plugged with a plastic plug, and the tank and pipes were reburied.

5.4 Lead-in-soil Analytical Results

Lead was reported in each of the seven lead-in-soil samples (SR169-Pb1 through SR169-Pb7) collected from hand-auger borings at the Site. Total lead was reported in six of seven samples (SR169-Pb1 through SR169-Pb6) at concentrations ranging from 7.3 to 26 mg/kg. One soil sample, collected from boring SR169-Pb7, was reported to contain total lead at 630 mg/kg. Since sample SR169-Pb7 was reported to contain lead at greater than 50 mg/kg (ten times the STLC for lead), it was reanalyzed at the laboratory using the WET lead analysis method. The lab reported that soluble lead was present in the sample at 36 milligrams per liter (mg/l). The analytical results of the lead-in-soil samples are presented in the summary of boring coordinates and lead analytical results, Table 2. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix C.

5.5 Burn-barrel Ash Analytical Results

The ash sample from the burn-barrel was reported to contain antimony, barium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc. However, only one metal, copper, was reported at a level greater than ten times its STLC. Ten times the STLC regulatory level for copper is 250 mg/l, and copper was reported to be present at 450 mg/kg. Since TTLC copper concentrations exceeded 250 mg/kg, ten times the STLC, the sample was further analyzed for STLC copper using the WET method extraction. The lab reported that soluble copper was present at 18 mg/l. The analytical results of the burn-barrel ash samples are presented in the summary of Burn-barrel Ash Analytical Results - Metals, Table 3. Reproductions of the laboratory reports and chain-of-custody documentation are presented in Appendix C.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Naturally Occurring Asbestos

Naturally occurring asbestos is a State of California regulated substance. Excavated materials reported to contain asbestos at or above the CARB regulatory limit of 0.25% NOA based on CARB 435 can not be used as, or in such a way that it could fall under the definition of, surfacing material as defined by the CARB Rules. The laboratory reported that NOA is not present at or above 0.25% in the samples collected. With respect to NOA, excavated materials generated at the Site should be suitable for reuse or offsite disposal without restriction.

6.1.1 Risk to Human Health

In the unlikely event that suspected NOA-containing material is discovered during the proposed roadway improvements, the following information is applicable. Currently, regulatory exposure limits and health hazard data are not available for NOA in soils. Federal regulations governing asbestos define it as the asbestiform variety of the amphibole minerals actinolite, amosite, anthophyllite, crocidolite, and tremolite, and the asbestiform variety of serpentine, chrysotile.

Asbestos fibers occurring in industrial materials are considered by the National Institute for Occupational Safety and Health (NIOSH) as potential occupational carcinogens. Prudence is recommended, therefore, in dealing with soils containing NOA. Engineering controls such as wet suppression should be utilized to minimize aerial dispersion of NOA fibers in planned work areas during excavation and road construction activities. Under Title 8 Section 5208 of the CCR, disturbance of asbestos-containing materials requires wet working methods and possible respiratory protection and air monitoring. The CARB has established protocols outlined in Title 17, Section 93105 for the implementation of worker health, safety and monitoring plans for excavation, grading and transport of NOA-containing soils. The excavation contractor should consult Title 17, Section 93105 and contact Cal-OSHA to establish the appropriate regulatory protocol and actions necessary for excavation and/or disturbance of asbestos-containing soils.

6.2 Underground Storage Tank

As per CCR Title 23 and Humboldt County UST regulations, the UST on the Site will need to be permanently closed. Procedures and requirements for UST closures are covered by CCR Title 23, and where practical, involves removal of the UST by a contractor licensed for such work. Following removal of the UST, the soil underlying the UST excavation and the spoils generated as part of the removal will need to be sampled and analyzed. Due to the age of the tank, the soil should be analyzed for total petroleum hydrocarbons as gasoline; benzene, toluene, ethyl benzene, and total xylenes; and lead. Since the most recent reported use of the tank predates the use of fuel oxygenate compounds in

gasoline, it should not be necessary to analyze the soil for them when the tank is removed. If soil contamination is discovered when the tank is removed, further site investigation may be necessary.

6.3 Lead-in-soil

Total lead was reported in six of seven samples (SR169-Pb1 through SR169-Pb6) at concentrations ranging from 7.3 to 26 mg/kg. These levels are consistent with typical background lead levels for soils in the region.

Lead was reported in one soil sample, SR169-Pb7, at 630 mg/kg total lead and 36 mg/l soluble lead, above California hazardous waste threshold. The sample was collected from the area within the reported footprint of the former Brizard's Store and adjacent to the area designated as geophysical anomaly "B". The source of anomaly "B" was not determined as part of the PSI, but two potential sources for the anomaly are either a septic tank that is located on the Site or debris in the soil from when the Brizard's Store burned down. The lead detected in sample SR169-Pb7 may be residual lead associated with the former store, since the store was probably painted with LCP and may have contained lead in the plumbing.

It is recommended that additional investigation be performed to define the depth and extent of the lead contamination and attempt to identify the source of anomaly "B". In order to minimize costs, it is recommended that the additional investigation be conducted when the UST is removed, so that the backhoe or excavator can be used to pothole the area of anomaly "B" or stockpile soil and characterize for proper disposal.

Lead-in-soil Risk to Human Health 6.3.1

The highest reported total lead value was compared to the EPA Region IX Preliminary Remediation Goal (PRG) for lead in industrial soil and the California Environmental Protection Agency established California Human Health Screening Levels (CHHSLs) for lead in industrial soil. PRGs are used to estimate contaminant concentrations in environmental media (soil, air, and water) that are protective of human health, including sensitive groups, over a lifetime. CHHSLs are intended as guidelines for establishing thresholds of risk to human health. The total lea PRG for industrial soil is 800 mg/kg. The CHHSL for lead in industrial and commercial soil is 3,500 mg/kg. The industrial lead PRG is lower than the industrial CHHSL for lead. Additionally the industrial lead G is lower than the California hazardous waste threshold for total lead of 1,000 mg/kg, whereas the CHHSL is not. Since the PRG is the more conservative of the two screening values, it was used to evaluate the Site.

Total lead concentrations above the PRG would not automatically trigger a response action or suggest that a significant risk to human health exists. Exceeding a PRG does suggest that further evaluation of the potential risks that may be posed by site contaminants is appropriate.

The highest reported total lead concentration of 630 mg/kg is less than the EPA Region IX Industrial PRG for lead in industrial soil of 800 mg/kg. Only e of the seven samples collected and analyzed for total lead was reported to contain an elevated concentration. Therefore, it is concluded that lead-impacted soil in the areas investigated does not pose a significant risk to the health of workers performing the construction activities.

Per the requirements of CCR Title 8, Section 1532.1, the "Lead in Construction" standard, the excavation contractor(s) should prepare a project specific Lead Compliance Plan to prevent or minimize worker exposure to lead-contaminated soil. The Lead Compliance Plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of lead-contaminated soil.

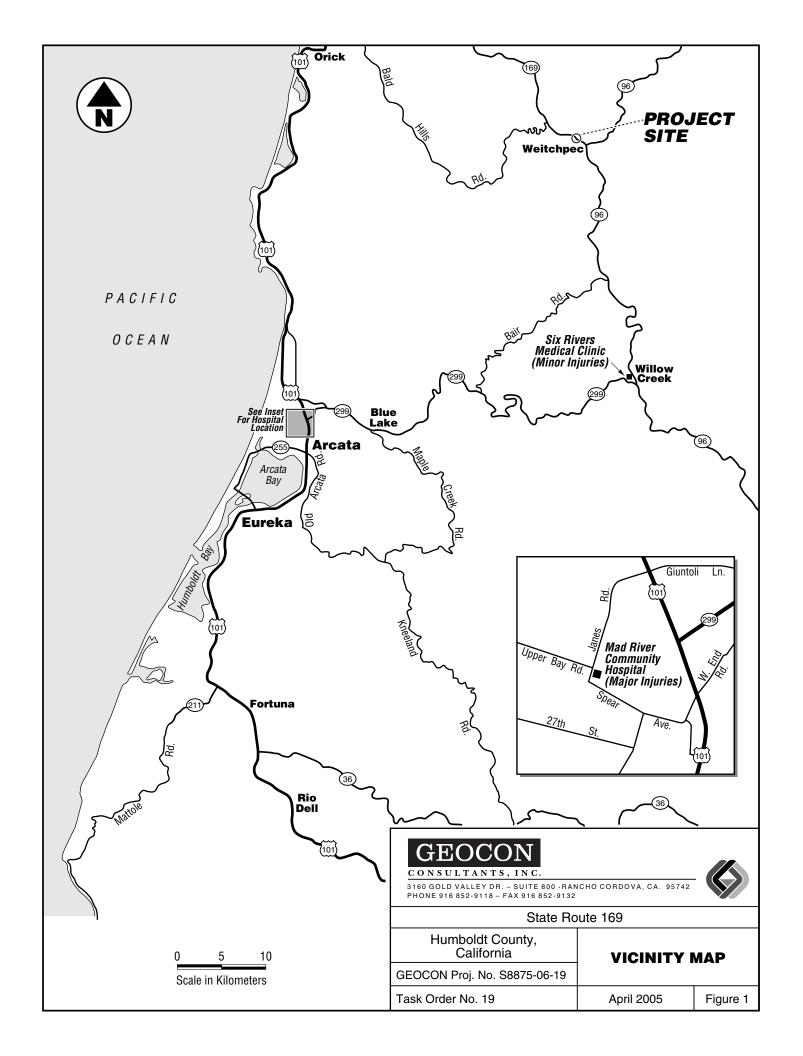
6.4 Burn-barrel Ash

Total metals were not reported in the burn-barrel ash at regulated levels. It is recommended that the burn-barrel ash be transported to a Class III landfill facility for disposal. Due to the degraded condition of the barrels, care will need to be taken in loading and transportation to properly contain the waste.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report, and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



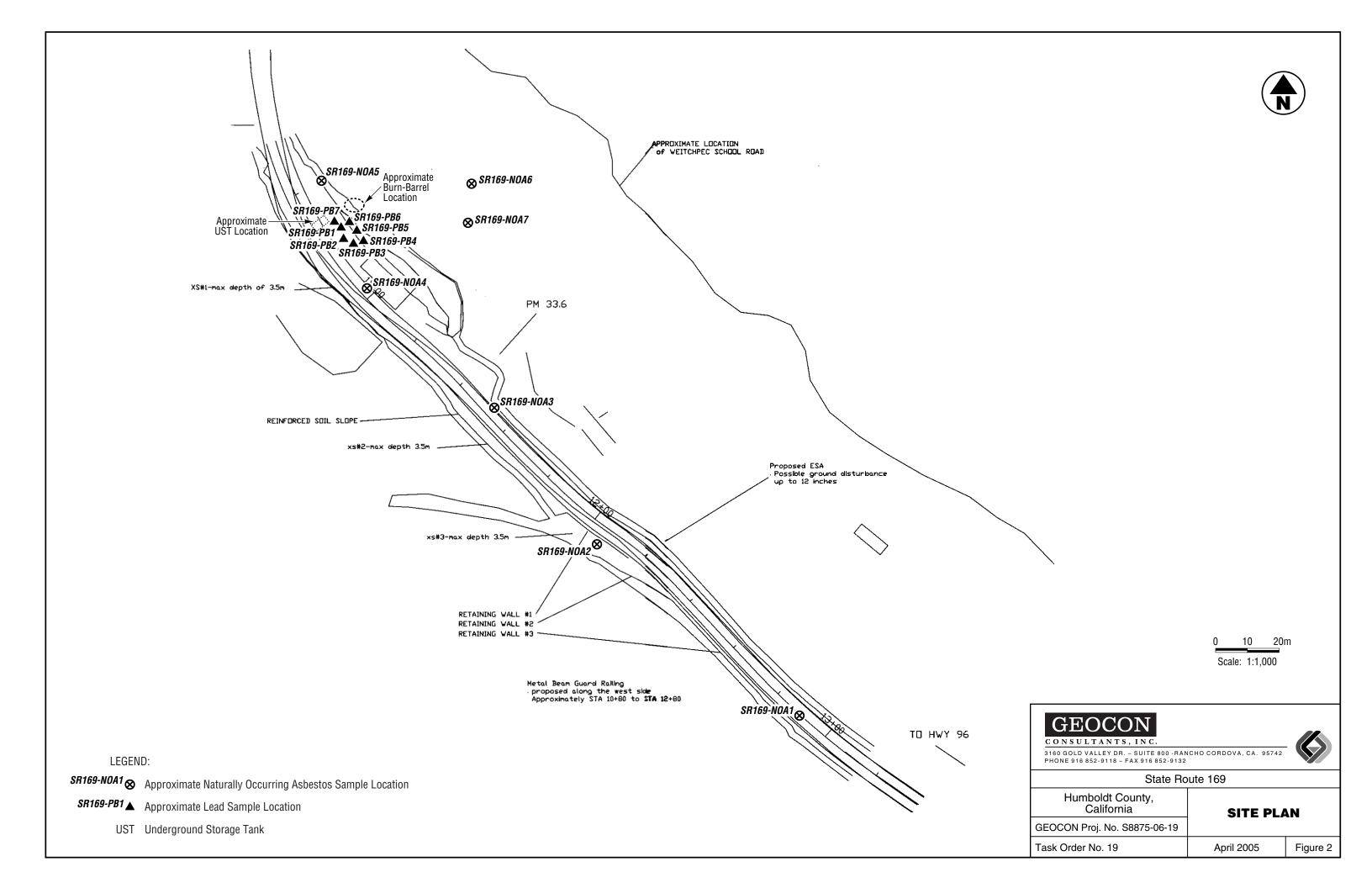


TABLE 1

SUMMARY OF BORING COORDINATES AND ASBESTOS ANALYTICAL RESULTS CALTRANS TASK ORDER NO. 19

EA NO. 01-430500 HUM 169 CURVE ALIGNMENT

WEITCHPEC, HUMBOLDT COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE (NORTH)	LONGITUDE (WEST)	ASBESTOS % ⁽¹⁾	ASBESTOS TYPE	
SR169-NOA1	41.18702794	-123.706677285	<0.25%	NA	
SR169-NOA2	41.18746245	-123.707461506	<0.25%	NA	
SR169-NOA3	41.18784834	-123.707889554	<0.25%	NA	
SR169-NOA4	41.18816468	-123.708390173	<0.25%	NA	
SR169-NOA5	41.18849142	-123.708608276	<0.25%	NA	
SR169-NOA6	41.18856993	-123.70810653	<0.25%	NA	
SR169-NOA7	41.18844201	-123.70809272	<0.25%	NA	

Notes: (1) - Analysis by California Air Resources Board Method 435

NA = Not Applicable

< = Less than laboratory test method detection limit.

TABLE 2

SUMMARY OF BORING COORDINATES AND LEAD ANALYTICAL RESULTS CALTRANS TASK ORDER NO. 19

EA NO. 01-430500 HUM 169 CURVE ALIGNMENT

WEITCHPEC, HUMBOLDT COUNTY, CALIFORNIA

SAMPLE I.D.	LATITUDE		TOTAL LEAD ⁽¹⁾ (mg/kg)	SOLUBLE (WET) LEAD ⁽²⁾ (mg/l)		
SR169-Pb1	41.18835031	-123.708519288	26			
SR169-Pb2	41.18831238	-123.708495204	22			
SR169-Pb3	41.18830361	-123.70846161	22			
SR169-Pb4	41.18831786	-123.708434132	22			
SR169-Pb5	41.18834888	-123.708460885	7.3			
SR169-Pb6	41.18837184	-123.708488618	10			
SR169-Pb7	41.18837184	-123.70853717	630	36		

Notes:

(1) - The Total Threshold Limit Concentration for lead is 1000 mg/kg.

 $WET = Waste\ Extraction\ Test,\ Soluble\ Threshold\ Limit\ Concentration\ for\ lead\ is\ 5.0\ mg/l$

(2) - The Soluble Threshold Limit Concentration for lead is 5.0 mg/l.

mg/kg = Milligrams per kilogram

mg/l = Milligrams per liter

--- = Not analyzed

36 = Bold where the reported concentration equals or exceeds the Soluble Threshold Limit Concentration

TABLE 3

SUMMARY OF BURN-BARREL ASH ANALYTICAL RESULTS - METALS

CALTRANS TASK ORDER NO. 19

EA NO. 01-430500

HUM 169 CURVE ALIGNMENT

WEITCHPEC, HUMBOLDT COUNTY, CALIFORNIA

SAMPLE	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MOLYBDENUM	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC	COPPER
I.D.	TTLC													STLC			
	results in milligrams per kilogram												(mg/l)				
SR 169 Burn Barrel Ash	16	<1.0	150	<1.0	4.7	36	13	450	31	5.7	29	<1.0	<1.0	<1.0	9.3	480	13

Notes: TTLC = Total Threshold Limit Concentration

STLC (mg/l) = Soluble Threshold Limit Concentration (milligrams per liter)

< = Less than laboratory test method detection limit

APPENDIX I QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

ORRIN W. PLOCHER

Project Geologist

EDUCATION

MS, Geology, University of Iowa, 1990 BS, Geology, University of Iowa, 1986

EXPERIENCE SUMMARY

Mr. Plocher has over 16 years of professional experience in hydrogeology, environmental investigation, stormwater management projects and remediation, project and program management, and litigation support. Mr. Plocher has specialized in the area of due diligence investigations (Phase I and II Environmental Site Assessments) and has published and presented in the area of environmental site assessments, compliance audits, and the impact of the ASTM standards on the commercial property transfer process since 1995.

PROJECT EXPERIENCE

- Work Plan for Additional Assessment of the Town of Samoa (Brownfields Site). Prepared work plan for additional assessment of the Town of Samoa Brownfields site. Preparation of the work plan included review and summary of previous investigations including a Phase I ESA under the Federal Brownfields program, and two iterations of Phase II ESAs. The work plan that was approved by the Regional Water Quality Control Board included the delineation of impacted soil and groundwater in 10 different areas of interest.
- Additional Soil and Groundwater Assessment of the Town of Samoa (Brownfields Site). Currently performing additional assessment of soil and groundwater at 10 areas of interest in the Town of Samoa, California. The assessment includes drilling and sampling of 49 borings. Most work is being conducted with hand augers and includes the installation and sampling of 38 temporary wells. Some of the hand-augered temporary wells were in excess of 20 feet below ground level.
- Phase I Environmental Site Assessment Current/Former Lumber Mill Sites. Performed a Phase I ESA on a mulit-parcel 30 acre lumber site that included several overlapping generations of lumber mill development. The configuration of several of the older mill operations were only known through interpretation of historic aerial photographs. Historic aerial photographs were used with GIS to prepare a figure that represented all of the recognized environmental conditions on a single graphic. Developed scope of work and budget for a Phase II ESA at the site.
- Dioxin Assessment/Cleanup and Case Closure at Former Lumber Mill Site. Developed work plans for two iterative phases of soil and groundwater assessments of several areas in a former mill site that were approved by the Regional Water Quality Control Board. The location of the former lumber mill features were determined through the interpretation of historic aerial photographs. Investigations concluded the presence of dioxin impacted soil over the applicable screening level in the area of the former teepee burner. Coordinated the excavation and disposal of dioxin-impacted soils resulting in a case closure from the California Regional Water Quality Control Board.
- Underground Storage Tank Investigation and Case Closure. Performed a soil and groundwater assessment of an underground storage tank site under a work plan approved by the Humboldt County Division of Environmental Health Assessment. The investigation resulted in a case closure by Humboldt County and concurrence by the California Regional Water Quality Control Board.

- Public Meetings for County-Wide Disaster Mitigation Planning. Conducted public meeting at three locations, including Smith River, Hiouchi and Klamath, California, to present the progress of the county-wide Disaster Mitigation Planning effort and to seek input from the communities regarding known natural hazards that have not been accounted for in the planning process. Questionnaires were distributed to all attendees regarding personnel knowledge and or experience with natural disasters. Information gathered was incorporated into the risk assessment and will be incorporated into the plan.
- groundwater and Storm Water Monitoring at a Former Lumber Mill Site. Performed quarterly groundwater monitoring and reporting at a large former lumber mill site in Humboldt County. The groundwater monitoring was completed in compliance with a monitoring and reporting program (MRP) issued by the California Regional Water Quality Control Board. The primary area of concern for groundwater monitoring is the former green-chain where wood preservatives containing dioxins were applied to the lumber and remain in the groundwater. Prepared and implemented Storm Water Pollution Prevention Plan including the seasonal sampling and reporting of storm water runoff from the former mill property. Ongoing groundwater and storm water monitoring are both required as part of a Department of Toxic Substances Control (DTSC) order.
- Sediment Sampling and QA/QC. Performed sediment sampling in Humboldt Bay prior to maintenance dredging that took place in 2007. Sediment sampling was conducted at all dredging locations to a maximum depth of 10 feet below the sediment interface. Coordinated QA/QC of sampling, sample handling and laboratory data. Samples were analyzed for dioxins and furans. Sampling was conducted with an AMS multi-stage core sampler with various core tips based on the sediments encountered.
- Sediment Sampling. Performed multiple rounds of sediment sampling on the mudflats adjacent to a Eureka Industrial site. Sampling was preformed to delineate the vertical and horizontal extent of impacted sediments. Contaminants that were investigated included metals and PCBs. Various sampling techniques were used to accomplish the sampling.
- Sediment Sampling. Performed sediment sampling along the length of the Salt River near Ferndale, California for Humboldt County Department of Public Works. The sampling was preformed to determine the physical and chemical characteristics of sediments proposed to be removed during the Salt River Ecosystem Restoration Project. Contaminants that were investigated included dioxins/furans, volatile organic compounds, metals and PCBs. Hand auguring was used to accomplish the sampling.
- Compliance Management / RCRA Underground Storage Tanks. Developed underground storage tank management program for a large petroleum company operating 312 retail facilities in 12 states. This project involved the creation of a compliance database application that allowed asset management of tanks and equipment. Based on the specific tanks and equipment at a site, the system generated site specific testing and record keeping requirements and resulted in a corporate-wide scheduling and coordination of testing services. As a third-party compliance manager, services included responding to all regulatory issues including resolution of notice of violations.
- Underground Storage Tank Removal. Developed and implemented work plan for the removal of an
 underground storage tank at an active saw mill in Arcata, California. Work included permitting with
 Humboldt County, coordination of excavation, tank cleaning and tank disposal. Soil samples were
 collected and a tank closure report was prepared. Coordinated disposal of all investigation derived
 wastes.
- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at a former metal recycling facility. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, storm water received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs which were modified based on analytical results. Construction, routine inspection and maintenance of sampling stations. Construction, routine inspection, and maintenance and enhancement of BMPs to protect the quality of sensitive receiving waters. Coordinated permitting and application of a soil binding agent to reduce sediment and contaminants in stormwater.

- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at an abandoned railroad maintenance yard. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, stormwater received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs and BMPs which were modified based on analytical results. Routine inspection and maintenance of sampling stations. Routine inspection, maintenance and enhancement of BMPs.
- Investigation and Remediation, Soil Excavation. Coordinated and managed the excavation of pentachlorophenol (PCP) and tetrachlorophenol (TCP) containing soils and woody debris from under a former dip-tank in an active sawmill. Activities included concrete and soil removal performed in Level-B protective equipment. The activity resulted in the removal of over 180 cubic yards of impacted soil and concrete material. Groundwater pumped from the excavation was stored in chemical totes totaling 1700 gallons. The project included ambient air monitoring for dioxins and furans and dust monitoring.
- Investigation and Remediation, Soil Excavation. Coordinated and managed the excavation of tetrachloroethene (PCE) containing soils at an active pulp mill. The activity resulted in the removal of over 60 cubic yards of impacted soil. The excavation resulted in significant contaminant reduction in the area of the excavation. This investigation included in the placement of a down gradient monitoring well which will be used to monitor groundwater for PCE.
- Investigation and Assessment, Soil and Groundwater Assessment. Coordinated and managed a soil and groundwater assessment at an active pulp mill following an underground release of sodium hydroxide. The assessment included sampling of groundwater from existing monitoring wells and the sampling of soil and groundwater with direct-push techniques. The assessment resulted in the delineation of an area of soil and groundwater with elevated pH values.
- Project Management and Photo-Simulations. Coordinated and managed the generation of computer generated photo-simulations of a proposed liquefied natural gas (LNG) facility. The process included photographing the proposed project site from several public-viewing points. A 3-dimentional CAD model was then projected onto the photographs by knowing the exact location and elevation of the photographs. Through application of various computer techniques the result is a near to life rendering of what the facility will look like when full constructed. The client used the photo-simulations as they introduced the proposed project to public and private groups.
- Due Diligence Phase I Environmental Site Assessments / Portfolio Review. Coordinated and managed Phase I Environmental Site Assessments (ESAs) of 35 properties involved in a regional bank acquisition. Properties were assessed following the ASTM standard and included the assessment of asbestos containing building materials. Due to the large number and geographic distribution of the sites a team of several environmental professionals from several offices were coordinated to perform site inspection, records reviews and report preparation. As a result of the Phase I ESAs, several sites proceeded to Phase II ESAs some of which encountered soil and groundwater contamination over acceptable limits.
- Due Diligence Phase I ESA / Portfolio Review. Coordinated and managed Phase I ESAs of 48 properties involved in a regional bank acquisition. Properties were assessed following the ASTM standard and included the assessment of asbestos containing building materials. Due to the large number and geographic distribution of the sites a team of several environmental professionals from several offices were coordinated to perform site inspection, records reviews and report preparation. As a result of the Phase I ESAs, several sites proceeded to Phase II ESAs some of which encountered soil and groundwater contamination over acceptable limits.
- Due Diligence Phase I ESA / Portfolio Review. Coordinated and managed Phase I ESAs of 9 properties involved in a funeral home acquisition. Properties were assessed following the ASTM

standard. As a result of the Phase I ESAs several sites proceeded to Phase II ESAs some of which encountered soil and groundwater contamination over acceptable limits.

- Due Diligence Phase I ESA/ Phase II ESA and Regulatory Compliance Audit. Performed a Phase I ESA and Phase II ESA of a tanning facility for a lender prior to foreclosure. Following the results of the site assessments focus was turned to regulatory and compliance issues related to waste and wastewater management practices.
- Litigation Support and Phase I / II ESAs, Veterinary Pharmaceutical Manufacturer. Performed a Phase I and II ESA on a 35-acre industrial site involved in the manufacturing of veterinary pharmaceuticals. The soil and groundwater of the property was found to be impacted by petroleum hydrocarbons potentially sourced from several small underground storage tanks previously located onsite and from a large pipeline terminal and bulk facility adjacent to the site. Several rounds of drilling, sampling, and analysis were performed to delineate sources of petroleum. This information and additional information was used in lawsuit between the neighboring properties in a case involving diminished property value.
- Litigation Support, Hog Confinement Operation. Performed basic geologic research regarding the potential impact of large-scale hog confinement operations on an adjacent watershed. Information generated supported the long-term potential impact of these operations on the specific watershed investigated. Provided support and information that lead to systematic sampling of surface water to demonstrate impact.
- Compliance Management / RCRA / Underground Storage Tanks. Developed underground storage tank management program for a large petroleum company operating at 312 retail facilities in 12 states. This project involved the creation of a compliance database application that allowed asset management of tanks and equipment. Based on the specific tanks and equipment at a site the system generated site specific testing and records keeping requirements. The compliance system generated site-specific directions for tank testing and data collection and resulted in a corporate-wide scheduling and coordination of testing services. As a third-party compliance manager, it included responding to all regulatory issues including resolution and negotiation of notice of violations.

PUBLICATIONS

lowa State Bar Association Environmental Newsletter (March, 1996). The Impact of ASTM Standard Practices on the Transfer of Commercial Properties.

PRESENTATIONS

4th Annual Iowa Governor's Safety Conference (November 14, 1995). Environmental Compliance Audits, Phase I/II Environmental Site Assessments.

Advanced Real Estate Law in Iowa (National Business Institute, June, 5, 1996). *Conducting Environmental Site Assessment—How to Do it Right.*

4th Annual Occupational Health & Safety Conference (April 16, 1997). Environmental Compliance Audits.

Iowa State Bar Association, Environmental & Natural Resources Law Seminar (1997) Consultants View of RBCA Practices.

PROFESSIONAL EMPLOYMENT HISTORY

Project Geologist, Freshwater Environmental Services, 2007 to present Project Geologist / Office Manager, Tetra Tech, 2002 to 2007
Branch Manager, Seneca Environmental Services, 1992 to 2002
Geologist, Iowa Geological Survey Bureau, 1984 to 1992
Geology Instructor, St. Ambrose College, 1989



Freshwater Environmental Services

STAN THIESEN, PG

Geologist

REGISTRATIONS/CERTIFICATIONS

Professional Geologist: California (#7990) Registered Geologist: Oregon (#G2127)

EDUCATION

BA, Geology, Humboldt State University, 1984 Geology Graduate work, 33 semester hours, Humboldt State University

EXPERIENCE SUMMARY

Mr. Thiesen has 15 years of experience in geological investigations, and environmental consulting. His experience includes geologic and geomorphic mapping, air photo interpretation, geographic information system (GIS), hydrology, environmental permitting, photographic documentation, and mineral exploration.

PROJECT EXPERIENCE

Site Investigation

- Additional Soil and Groundwater Assessment of the Town of Samoa (Brownfields Site). Currently performing additional assessment of soil and groundwater at 10 areas of interest in the Town of Samoa, California. The assessment includes drilling and sampling of 49 borings and converting some to temporary well points.
- Work Plan for Additional Assessment of the Town of Samoa (Brownfields Site). Prepared work plan for additional assessment of the Town of Samoa Brownfields site. Preparation of the work plan included review and summary of previous investigations including a Phase I ESA under the Federal Brownfields program, and two iterations of Phase II ESAs.
- Phase I Environmental Site Assessment Current/Former Lumber Mill Sites. Performed a Phase I ESA for a large former lumber mill site that included several generations of mill activities. The configuration of several of the older mill operations were established through interpretation of historic aerial photographs. Historic aerial photographs were geo-referenced in a Geographic Information System (GIS) to provide a single graphic that showed the generations of mill facilities.
- Dioxin Assessment/Cleanup and Case Closure at Former Lumber Mill Site. Developed work plans for two phases of soil and groundwater assessment of several areas at a former mill site that was approved by the Regional Water Quality Control Board. The location of the former lumber mill features were determined through the interpretation of historic aerial photographs. Investigations concluded the presence of dioxin impacted soil over the applicable screening levels in the area of the former teepee burner. Coordinated the excavation and disposal of dioxin impacted soils resulting in a case closure from the California Regional Water Quality Control Board.
- Underground Storage Tank Investigation and Case Closure. Performed a soil and groundwater investigation of an underground storage tank site. The assessment resulted in case closure by the Humboldt County Division of Environmental Health and concurrence by the California Regional Water Quality Control Board.
- Phase I Environmental Site Assessment, Northern California. Conducted a Phase I ESA for an unpermitted disposal site adjacent to a former Department of Defense site. The project included researching historical aerial photos, interviews of individuals, and a field visit.

- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at a former metal recycling facility. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, stormwater received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs which were modified based on analytical results. The project also included the construction of the sampling stations, routine inspections, and maintenance.
- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at an abandoned railroad maintenance yard. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, stormwater received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs which were modified based on analytical results. The project also included routine inspections and maintenance of the sampling stations.
- Site Characterization, Northern California. Prepared a work plan for additional site characterization at an industrial facility to further delineate the extent of soil and groundwater contamination from constituents including: dissolved metals, chlorinated solvents, sodium hydroxide, and petroleum hydrocarbons. The project involved locating and supervising borings to collect soil and groundwater samples. Wrote the report that included an evaluation of the lateral and vertical extent of constituents that exceeded the water quality objectives set by the regulatory agency.
- Landfill Monitoring, Northern California. Conducted quarterly groundwater monitoring at a closed wood waste facility. Performed annual differential settlement inspections and annual erosion control inspections. Wrote quarterly and annual reports evaluating changes in concentrations of analytes.
- Groundwater Monitoring, Northern California. Conducted semiannual groundwater monitoring at a large industrial facility. The project included writing semiannual reports evaluating changes in the concentrations of analytes.
- **Site Investigation, Northern California.** Conducted a field investigation at a wastewater treatment plant to determine whether petroleum hydrocarbons were present near the location of an underground storage tank. The project involved locating and supervising six borings to collect soil and groundwater samples in and area designated for plant expansion.
- UST Removal and Soil Excavation, Northern Oregon. Supervised the removal of two USTs and the
 excavation of petroleum-impacted soils. Was also responsible for supervising the installation of
 temporary supports for the canopy so that soils could be excavated beneath the fuel dispenser islands.

Geologic and Geomorphic Mapping

- Panoche/Silver Creek Watershed CRMP, Central California. Air photo interpretation of mass wasting and erosion features including field verification for several large watersheds on the west side of the San Joaquin Valley. The project included the evaluation of sediment sources and source areas containing selenium and asbestos using GIS. Wrote several watershed assessment reports analyzing the natural and human influences on the watersheds.
- The Pacific Lumber Company, Humboldt County, California. Inventoried landslides on industrial timberlands in northern California as part of a monitoring program to assess management implications of landslides that occur after major precipitation events. Developed standard operating procedures and a landslide inventory form for the project.
- The Pacific Lumber Company, Van Duzen Watershed, Humboldt County, California. Conducted air photo interpretation of recent through relict landslides, field verification of interpretation, analysis of landslide data, and final report writing for watershed analysis. Developed maps that showed the relative potential landslide hazard based on the air photo interpretation and other information.
- Six Rivers National Forest, Northern California. Geologic and geomorphic mapping for the Six Rivers National Forest, California. Included mapping bedrock geology and geomorphic features at 1:24,000,

field verification of contacts and features, drafting of maps, editing and attribution of maps in a GIS, writing reports on the significance of geology to forest issues, and analysis of relations between geology, soils, and vegetation.

Geographic Information System (GIS) Analysis

- Humboldt County Public Works, Northern California. Digitized selected stormwater features from subdivision maps.
- Panoche/Silver Creek Watershed CRMP, Central California. Created GIS-based maps of mass
 wasting and erosion features for several large arid watersheds on the west side of the San Joaquin
 Valley. Digitized geologic maps for use in watershed assessment.
- Trinidad Rancheria, Humboldt County, California. Provided GIS support for several water quality projects.
- Six Rivers National Forest, Northern California. Created digital geology coverage for the four northern National Forests in California. Project involved: scanning, registering, projecting, and on-screen digitizing of existing geologic maps using ARC/INFO.
- National Forest Roads Analysis Support Team. Researched the feasibility of using GIS for evaluating road risk on the National Forest road system. Contributed 80 pages of text and graphics to the National Forest Roads Analysis Report (Miscellaneous Report FS-643, 1999).

Environmental Permitting

- Samoa Townsite EIR, Humboldt County, California. Wrote the geologic hazard section of an Environmental Impact Report for a proposed commercial and residential development.
- County of Del Norte, Northern California. Developed CEQA document and permits for replacement of a public boat launching facility on the Klamath River in northern California.

Photographic Documentation

- Confidential, Northern California. Provided reference photographs from Key Observable Points for a photo simulation of a large industrial facility in northern California.
- Panoche/Silver Creek Watershed CRMP. Created a photographic database for use in assessing current conditions in large watersheds in the Coast Ranges of Central California.

Mineral Exploration

Asamera Minerals (U.S.), Reno, Nevada. Field geology for precious metal exploration in Nevada and California. Explored for gold in the Tertiary volcanics of western Nevada and in Paleozoic carbonates and clastic rocks of eastern California. Was responsible for geologic mapping at scales from 1"=20' to 1"=1000', underground mapping and sampling, surface geochemical sampling, geophysical surveying with a portable magnetometer/VLF instrument and drafting of maps and cross sections. Worked for six months field logging reverse circulation drill holes and supervising drilling operations on truck mounted and heli-portable drill rigs.

Instruction

Humboldt State University, Arcata, California. Taught field geology for the 1993 Humboldt State
University Advanced Field Mapping course in the Inyo Mountains of eastern California; taught
introductory geology lab at Humboldt State University.

CONTINUING EDUCATION

Engineering Geology for Timber Harvesting, Wildland Management and Watershed Restoration, Eureka, California, 2002.

CEQA Basics Workshop, Redding, California, 2002.

PUBLICATIONS

Tetra Tech., 2002. Van Duzen River Watershed Analysis, Mass Wasting Assessment, public review draft, July 2002 (primary contributor to mass wasting module).

USDA Forest Service. 1999. Roads analysis: Informing decisions about managing the National Forest transportation system. Miscellaneous Report FS-643. August 1999. Washington, DC: U.S. Dept. of Agriculture, Forest Service; 222 p.

PROFESSIONAL EMPLOYMENT HISTORY

Geologist, Freshwater Environmental Services, 2007 to present

Geologist, Tetra Tech, 2001 to 2007

Geologist, SHN Consulting Engineers and Geologist, 2000 to 2001

Geologist, Contracted with Six Rivers National Forest, 1999 to 2000

Researcher, National Forest Roads Analysis Support Team, 1998 to 1999

Geologist, Six Rivers National Forest, 1994 to 1998

Geologist, Redwood National Park, 1994

Field Assistant, Hoopa Valley Indian Reservation, 1993

Instruction, Humboldt State University, 1993

Carpenter, GraceCo Construction, 1989 to 1993

Geologist, Asamera Minerals (U.S.), 1987 to 1989

JULIE SAVONA

Project Geologist

EDUCATION

BA, Geology and English, University of Iowa, 1999

EXPERIENCE SUMMARY

Mrs. Savona has 10 years of professional experience in hydrogeology, environmental investigation, stormwater management projects and remediation, and project and program management.

PROJECT EXPERIENCE

Site Assessments. Performed property transfer consulting including the preparation of Phase I Environmental Site Assessments (ESAs) following ASTM-E1527, 1997, 2000, 2005 and All Appropriate Inquiries (AAI) under the Small Business Relief and Brownfields Revitalization Act of 2002. Properties evaluated have included multiple commercial facilities, sawmills, dry cleaners, vehicle maintenance facilities, and others. Projects have been performed in multiple states across the United States.

- Site Investigations. Performed field activities for soil and groundwater sampling and analyses for Phase II Environmental Site Assessments following ASTM-E1903, 1997. Work performed included proposal writing, field work, report writing, and lab results interpretation in various states throughout the United States.
- Site Assessments. Performed various types of projects for wireless industry to aid in the building of towers. Work included Phase I ESAs, Phase II ESAs, NEPA surveys, and subcontracting geotechnical investigations, archaeological surveys and architectural surveys. Included extensive interaction with clients and regulatory agencies. Projects also involved keeping an organized database to track the status of numerous projects occurring simultaneously and have been performed in multiple Midwestern States and California.
- NEPA Compliance. Performed NEPA Surveys to satisfy 47 CFR Subpart 1 and SHPO investigations to satisfy Section 106 Compliance for the building of cellular towers. Work performed included extensive client interaction, report writing and subcontracting. Projects performed were in multiple Midwestern states and California.
- Site Assessments. Performed property transfer consulting for Pacific Lumber Company (PALCO) at the Scotia Elementary School and Recreation Center in Scotia, California. Project included the preparation of Phase I ESAs including lead based paint sampling in soil and supplemental information as recommended by the DTSC document entitled "Phase I Environmental Site Assessment Advisory: School Property Evaluations" Revised September 5, 2001 (DTSC, 2001) in accordance with the California Education Code requirements. School site and Recreation Center received approval from the DTSC
- Sediment Sampling and QA/QC. Performed sediment sampling in Humboldt Bay prior to maintenance dredging that took place in 2007. Sediment sampling was conducted at all dredging locations to a maximum depth of 10 feet below the sediment interface. Coordinated QA/QC of sampling, sample handling and laboratory data. Samples were analyzed for dioxins and furans. Sampling was conducted with an AMS multi-stage core sampler with various core tips based on the sediments encountered.
- Sediment Sampling. Performed multiple rounds of sediment sampling on the mudflats adjacent to a Northern California Industrial site. Sampling was preformed to delineate the vertical and horizontal extent

- of impacted sediments. Contaminants that were investigated included metals and PCBs. Various sampling techniques were used to accomplish the sampling.
- Compliance Management / RCRA Underground Storage Tanks. Performed compliance management
 activities for underground storage tank regulations. Work performed included assisting in maintaining
 compliance at over 300 stores and extensive work using Microsoft Access database.
- Compliance Audit. Performed compliance audit at vehicle maintenance facility in downtown San Francisco to ensure proper hazardous materials storage, handling, and disposal, as well as ensure proper record keeping, employee training, and clean housekeeping practices. Also participated in compliance audits of several sawmill facilities throughout Northern California. Audits included topics such as waste storage, handling, and disposal, record keeping, stormwater discharges, and employee training
- Groundwater Monitoring. Project Manager and staff for groundwater monitoring activities at various sites in California and Oregon. Contaminants of concern included petroleum hydrocarbons, volatile and semi volatile organic compounds, metals, chlorophenols, dioxins and furans. Activities also included regular reporting of monitoring results.
- Fuel Tank Removal. Managed removal of fuel oil UST at residential dwelling in Arcata, California and remediation of contaminated soils. Project received No Further Action within one year from date of discovery.
- Site Assessment. Participated in implementation of soil and groundwater investigations at a Union Pacific Railroad Company property in Eureka, California, under the direction of the North Coast Regional Water Quality Control Board to support risk-based evaluation of two former rail yard properties contaminated by chlorinated solvents, petroleum hydrocarbons, PCBs, and heavy metals. The site investigations have included the installation and sampling groundwater monitoring wells within two separate aquifer zones, development and implementation of random sampling program for characterization of surface and subsurface soil, and subsurface soil sampling to evaluate the presence of contamination in several potential source areas. Periodic groundwater and stormwater sampling at the sites has been conducted.
- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at a former metal recycling facility. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, storm water received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs which were modified based on analytical results. Construction, routine inspection and maintenance of sampling stations. Construction, routine inspection, and maintenance and enhancement of BMPs to protect the quality of sensitive receiving waters. Coordinated permitting and application of a soil binding agent to reduce sediment and contaminants in stormwater.
- Stormwater Monitoring and BMP Inspection. Performed stormwater monitoring including sampling and reporting at an abandoned railroad maintenance yard. Stormwater sampling was performed at sampling stations that were located and designed to evaluate the condition of stormwater generated onsite, stormwater received from offsite sources and receiving waters. Stormwater analytical data was used to determine the effectiveness of BMPs and BMPs which were modified based on analytical results. Routine inspection and maintenance of sampling stations. Routine inspection, maintenance and enhancement of BMPs.
- **Site Investigations.** Participated in implementation of extensive soil and groundwater investigations at Portland rental car Quick Turn Around at Portland International Airport to evaluate a property contaminated by petroleum hydrocarbons. The site investigations have included the installation and sampling of numerous borings and groundwater monitoring wells, and subsurface soil sampling to evaluate the presence of contamination in several potential source areas and along preferential pathways. Conducted guarterly groundwater sampling at the site..

- Data Management. Performed database management for surface water quality project in California's Central Valley using Microsoft Access.
- Insurance Investigations. Performed investigations on new gas stations that had applied for insurance throughout the State of Iowa. Work performed included field work including drilling and sampling, report writing, and follow up interaction with the PMMIC (Petroleum Marketers Mutual Insurance Company).
- **Sediment Analysis**. Performed laboratory tests to analyze concentration of sediment and to determine size differentials of sediment in river water from rivers throughout the United States.
- Lab Analysis. Performed laboratory tests to analyze various constituents, including Chemical Oxygen Demand, Biological Oxygen Demand, Total Suspended Solids and Settlable Solids in effluent discharge from active pulp mill. Also collected and analyzed sewer samples and various process samples for various constituents to ensure efficiency in mill processes and aid in ensuring regulatory compliance of effluent discharge.

PROFESSIONAL EMPLOYMENT HISTORY

Project Geologist, Freshwater Environmental Services, 2009 to present Lab Technician, Evergreen Pulp Mill, 2007-2008
Project Geologist, Tetra Tech, 2002 to 2007
Project Geologist, Seneca Environmental Services, 1999 to 2002
Lab Technician, United States Geological Survey, 1996 to 1999
Assistant Editor, Journal of Paleontology, University of Iowa, 1998-1999